

November 11-12, 2025



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

	Morning Break	Lunch	Afternoon Break	
Monday 10	Grounding and Lightning General Meeting Transmission Underground Cables General Meeting Advanced Distribution and Operations General Meeting Distribution Equipment Planning General Meeting Vegetation Management General Meeting		Wildfire Working Group Grid Resiliency Workshop	Welcome Reception
Tuesday 11	YPG Breakfast	Transmission and Distribution Conference		Exhibitor Reception
Wednesday 12				Women in Power Reception
Thursday 13	Overhead Transmission Equipment General Meeting Overhead Transmission Design General Meeting Stations Equipment General Meeting Power System Planning and Operations General Meeting Protection and Control General Meeting			
Friday 14	Overhead Transmission Design General Meeting			

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

Supporting CEATI Member Utilities

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

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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: Advancing the Energy Transformation – Nichole Owens, Baltimore Gas & Electric

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 Halder, CEATI	See the latest advancements in action with live technology demonstrations	Session Chair: Gil Maurant, CEATI	Session Chair: John Williamson, CEATI	Session Chair: David Villa, CEATI
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 – Keith Cavey, Meteomatics	Adaptation to the New Normal: A Look at changing grounding practices for utilities Bryan Beske, Safearth	Satellite Remote Sensing Goes Mainstream: Experience from Deployment Across the AEP Transmission Network – Nick Ferguson, LiveEO & Erik Fletcher, 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, Bidge.ly, Kevin Fennell, Landis+Gyr	AI-Driven Probabilistic Weather Forecasting for Future-Ready Grid Planning and Operations – Laura Fieselman & Janet Lee, Salient Predictions and co-presenter (TBC)	IEEE 837: Standard For Qualifying Permanent Connections Used in Substation Grounding – David Shibilila, 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: Steve Greey, CEATI	Session Chair: Michael Marz, ATC	Session Chair: Jamie Forsyth, ESB Networks	
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 – Malek Singer, Teledyne Geospatial & Kostas Lopsaitis, Network Mapping Group
2:15	ISIU® Enhancement for Comprehensive Utility Asset Management Green Grid	TBC	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	Condition Based Vegetation Management: Aren't We Really Talking About Asset Management? – Robert Vanderhoof, Arbormetrics
	 				

3:00-3:45 Coffee Break – Exhibit Hall

	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	Session Chair: Steve Haddock, CEATI	Session Chair: John Williamson, CEATI	See the latest advancements in action with live technology demonstrations
3:45	Enhancing Grid Resiliency through Data-Driven Prioritization – <i>Brian Sprinkle and Noah Wetherald, Iapetus Infrastructure Services</i>	Resiliency NOW! A utilities experience with rapidly analyzing and upgrading circuits to improve resiliency – <i>Chad Newton, Osmose & Daniel Wienhold, Baltimore Gas and Electric</i>	From Data Gaps to Grid Intelligence: How Every Digitalized Its Transmission Network with AI – <i>Chad Carsten, Evergy and Don McPhail, eSmart Systems</i>	Ground Potential Rise Transfer Along Distribution Lines – <i>Babak Jamali – BBA/METSCO</i>	Building a Data-Driven UVM Program with Operational Intelligence – <i>Liz Fulton & Max Cunningham, Asplundh</i>
4:30	Bridging the Data Management Gap – <i>Charles Johnson, Amidyne Solutions</i>	Optimizing the balance of cost and risk in the management of aging distribution infrastructure – <i>Casey Davis, & Keli Thurston, Exponent, Michael Didyk, Pacific Gas and Electric Company</i>	ComEd's Voltage Optimization Corrective Maintenance Program Success – <i>Sheikh Rajib & Jason Pozen, ComEd and Kevin Flynn & Nataliya Ripinskaya, Qualitest</i>	Safety issues along transmission corridors crossing congested areas – <i>Emanuel Petrache, Kneetrics</i>	Use Your Vegetation Insights to Plan and Optimize Vegetation Work Execution End-to-End – <i>Robbie Berglund, IBM</i>
					 

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: Emma Butler, ESB	Session Chair: Bryan Hobson, Idaho Power	See the latest advancements in action with live technology demonstrations		
10:30	Resiliency Under Load – <i>Mark Messenger, Osmose</i>	The Sault Smart Grid: A Scalable Model for Future-Ready Distribution Systems - <i>Robert Brewer, PUC Services, and Gary Johnson, Black & Veatch</i>	Strategic planning tools and systems to predict and manage EV charging demand – <i>Will Thomas, EA Technology</i>	Inside Integrated Vegetation Management: A Fireside Chat with Lew Payne – <i>Nick Ferguson, LiveEO & Lewis Payne, New York Power Authority</i>	Unlocking Substation Digitalization: A Unified Approach for the Modern Grid – <i>Jesse Koskela, Energyield & EcoPhi</i>
11:15	Use of consequence/probability risk matrices for work prioritization – <i>Issam ElAyadi, Rosa Serrano and Matthew Horowitz, Pacific Gas and Electric,</i>	Mitigating High-Frequency Harmonic Distortion from Utility-Scale PV Plants: A Field-Validated Approach – <i>David Mueller, EnerNex</i>	TBC		High Impedance Fault Detection: Optimization of the 468C Protection Function with Residual Overvoltage Blocking – <i>Bastian Gonzalez Aragon, Chilquinta Energia</i>

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: Joe Zerdin, Hydro One	Session Chair: Gil Maurant, CEATI	Session Chair: Jamie Forsyth, ESB Networks	
1:30	Beyond Standard Parameters: Assessing 400 kV Line Insulation Integrity via Direct Resistance Measurement - A TAURON Utility Case Study – Michal Cicho, Sonei S.A. & Jacob Moshinsky, Stratatek	Putting DSO into action: Grid Flexibility and the Clean Energy Transition – Daniel Yung & Jeff Crompton, National Grid	Complete Grid Awareness with Today's Scalable Tech: What Changed and Why it Matters – Tom Cleaver, Heimdall Power	Future of Commissioning: Current Injection Testing – Brandon Dubrowski, Safeearth	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 & Emma Butler, ESB Networks	DSO implementation check: are utilities, regulators and markets ready to step up? Alex Bakulev, Eng.In Corp. and Shane Fraser, EPCOR	Using Regulatory Sandboxes to Unlock the Grid through Advanced Transmission and Distribution Technologies – Grace Relf, Lawrence Berkeley National Laboratory and co-presenter (TBC)	Probability of Ignition for De-Energized Conductors subject to Electric and Magnetic Field Induction – Reeve Dunne, Exponent & Michael Didyk, Pacific Gas and Electric	Modernizing Underground Laterals – 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	Session Chair: Matt Sveinbjornson, ATCO Electric	Session Chair: Ranell Dedicataria, CEATI	Session Chair: Raymond Lings, CEATI	
3:45	Panel Session – 3:45PM-5:15PM Unlocking the Grid's Potential with Grid Enhancing Technologies (GETs)	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, Riley Prescott & Ghaz Tabrizi, BBA and Alex Bakulev, Eng.In Corp.	Developing a Lifecycle-based Transformer Replacement Strategies: Establishing Minimum Reinvestment Thresholds – Todd Shepherd, Asset Management System Integration	Title TBC - ICF
4:30	Ashley Yue, ATCO Electric, Tyson Harper, Hardline Engineering, Georg Rute, Gridraven, Michael Craig, Great River Energy, Tiffany Menhorn, Prisma Photonics Tom Cleaver, Heimdall Power	EV Forecasting in Distribution Planning - Reza Dehghan, Eaton and Phoebe Chang, Hydro One	Investing for Impact: How Proactive Planning Unlocks Value from Electric Transportation – Will Thomas, EA Technology	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