

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	Eversource Energy	Newfoundland and Labrador Hydro
American Electric Power	Exelon	Newfoundland Power
American Transmission Company	FirstEnergy Corporation	NextEra Energy
Arizona Public Service Company	Florida Power and Light	Nova Scotia Power
ATCO Electric	FortisAlberta	Ontario Power Generation
Austin Energy	FortisBC	Pacific Gas and Electric Company
Bear Valley Electric Service	Ghana Grid Company	PacifiCorp
California Department of Water Resources	Hetch Hetchy Water and Power SFPUC	PNM Resources
Central Hudson Gas and Electric	Hydro One Networks	Powerlink Queensland
Chelan County Public Utility District	Hydro Ottawa	PPL Electric Corporation
Con Edison	Idaho Power Company	Public Service Electric and Gas Company
Constellation Energy Corporation	Invenergy	PUC Services
Cobb EMC	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
Eversgy	New York Power Authority	Wataynikaneyap Power PM

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

7:00-8:30 Breakfast – Exhibit Hall
Young Professionals Networking Breakfast – Key West C-D

8:30-9:45 Welcome Plenary – Florida Ballroom 1-4

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 Florida Ballroom 1-3		Session B1: Distribution Systems of the Future Florida Ballroom 4		Session C1: Future-Ready Grid Planning and Operations Florida Ballroom 5-7		Session D1: Grounding & Lightning Key largo B-C		Session E1: Integrated Vegetation Management and T&D Systems Key West A-B	
Session Chair: Dr Asim Haldar, CEATI		Session Chair: Abbey Tiernan, CEATI		Session Chair: Gil Mourant, CEATI		Session Chair: John Williamson, CEATI		Session Chair: Amber Lahti, Manitoba Hydro	
10:30	33128: A Framework for Vulnerability Assessment of Line Structures and Line Exposures to Extreme Events – Dr 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, Safeearth		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, Stevie Rosen and Marcelo Sandoval, Bidgely, Kevin Fennell, Landis+Gyr		AI-Driven Probabilistic Weather Forecasting for Future-Ready Grid Planning and Operations – Laura Fieselman, Salient Predictions		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	
Session Chair: Ed Watson, CEATI		Session Chair: Steve Greey, CEATI		Session Chair: Michael Marz, ATC		Session Chair: Jamie Forsyth, ESB Networks		Session Chair: Megan Owens, CEATI	
1:30	The Future of Remote Operations is Here – 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 Andre Lai, Ron Aich, Eshan Kaushal, Jeff Pickles, Chinmoy Saha, Green Grid	Condition Monitoring of MV U/G Cable Assets to Extend Asset Life Cycles – Sarajit Banerjee, Kinectrics		A Systematic Approach to Validating Wind Farm Protection Settings Against Utility Criteria with Different Reference Points and Evaluating Minimum Reactive Power Support – Iman Kaffashan, Mehrdad Rostami & 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	Session Chair: David Villa, CEATI
3:45	Enhancing Grid Resiliency through Data-Driven Prioritization – Brian Sprinkle and Noah Wetherald, Iapetus Infrastructure Services	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 and Don McPhail, eSmart Systems	Ground Potential Rise Transfer Along Distribution Lines – Babak Jamali – BBA/METSCO	Building a Data-Driven UVM Program with Operational Intelligence – Liz Fulton & Max Cunningham, Asplundh
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	Empowering the Grid of Tomorrow: ComEd's Journey through Voltage Optimization and IPM – Sheikh Rajib, ComEd and Kevin Flynn & Nataliya Ripinskaya, Qualitest	Safety Issues along Transmission Corridors Crossing Congested Areas – Emanuel Petrache, Kinectrics	Use Your Vegetation Insights to Plan and Optimize Vegetation Work Execution End-to-End – Robbie Berglund, IBM
					 

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 – Florida Ballroom 1-4

Grid-Readiness for Electrification: How are Utilities Preparing for the Next Decade of Load Growth?
Terry Saunders, IBM; John Connolly, ESB Networks; Phil-Ebosie Nwabueze, ComEd; Joseph Zerdin, Hydro One

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

	Session A4: Resilient and Sustainable Transmission Systems Florida Ballroom 1-3	Session B4: Distribution Systems of the Future Florida Ballroom 4	Session C4: Future-Ready Grid Planning and Operations Florida Ballroom 5-7	Session E4: Integrated Vegetation Management and T&D Systems Key Largo B-C	Session F1: Innovations in Substations & Protection Systems Key West A-B
	Session Chair: Emma Butler, ESB	Session Chair: Bryan Hobson, Idaho Power	Session Chair: Ranell Dedicatoria, CEATI	Session Chair: Amber Lahti, Manitoba Hydro	Session Chair: Raymond Lings, CEATI
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	Insights from Over a Decade of UK EV Charging Projects – Will Thomas, EA Technology	Inside Integrated Vegetation Management: A Fireside Chat with Lew Payne – Nick Ferguson, LiveEO & Lewis Payne, New York Power Authority	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, Rosa Serrano and Matthew Horowitz, Pacific Gas and Electric	Mitigating High-Frequency Harmonic Distortion from Utility-Scale PV Plants: A Field-Validated Approach – David Mueller, EnerNex	IPSECA Approach to Optimising Future Grid Operations and Planning – John Birnie, Hatch	Leveraging Technology to Improve Vegetation Management in Transmission Right of Way – Bismark Anane, Ghana Grid Company	High Impedance Fault Detection: Optimization of the 46BC Protection Function with Residual Overvoltage Blocking – Bastian Gonzalez Aragon, Chiliquinta Energia

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	Session Chair: John Ciufo, CEATI
1:30	High Voltage Underground Asset Failure Analysis Procedures – An Overview – Sarajit Banerjee, Kinectrics	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 Dobrowski, 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 Daniel Yung, National Grid	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	Session Chair: John Ciufo, 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 Fortis Alberta'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	Powering Stability: Modern STATCOM Solutions for High-Impact Interconnection – Lingyu Jia, 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 – Lake Mizell

Featuring a panel discussion with Ashley Yue, ATCO; Joy Mellera, Hetch Hetchy Water & Power; Lucia Woo, Fugro; Ghaz Tabrizi, BBA