DISTRIBUTECH

March 24—27, 2025

Dallas, Texas

2025 Conference Sessions

Tuesday, March 25

Room #	C1	C2	C3	C146	C156	C4	C148	C141	C142	C148	C155	C144/145	C147/154	C143/C149
10:00 am- 10:50 am	Grid planning for rapid EV growth with Xcel Energy	Sponsored	Sponsored	Transforming grid capacity: PG&E embraces GridOS® for enhanced efficiency, compliance and reliability **Sponsored by GE Vernova**	Utility lessons from multi-customer and community microgrids	Sponsored	5 ASUs on the integration of DERMS, ADMS, VPPs and microgrids for next generation distribution operations	Sponsored by G&W	Don't Mess with Texas: How two Texas utilities are improving grid resilience **Sponsored by S&C**	Getting to zero emissions: municipal buildings in San Diego	Sponsored	Augmenting customer service operations with asset data and AI **Sponsored by Salesforce**	Demand horizon: Planning and managing for unprecedented load growth	Sponsored
11:00 am- 11:50 am	Socket of the future & residential EV charging **Sponsored by Itron**	Utility strategies for distribution optimization as part of managed charging programs	PGE harnesses bi-directional EV charging for grid optimization in five-risk zones	The role of the digital grid in Oncor's system resiliency plan	Sponsored	Impacts of major weather events on reliability and resilience at Texas IOUs	Sponsored	Innovations in substation operations: How PG&E leverages drones, AI, and real-time monitoring	Duke Energy's pursuit of grid-scale DER management	Sponsored	The smart city balancing act: How utilities design a sustainable grid	Can generative AI transform customer engagement? Southern Company paves the way	Sponsored	How policymakers plan to reliably and cost-effectively tackle rapid load growth

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1:00 pm - 1:50 pm	To keep up with the energy transition, APS supercharged its emergency management system	Harnessing the power of IOTs and data lakes for electric utilities **Sponsored by Sensus, a Xylem brand**	What an Australian utility learned about the role of digital substations in the energy transition	Sponsored	AI for proactive storm response at Exelon and Oncor	Leveraging advanced AI for enhanced substation operations: A PG&E case study	EPRI addresses cybersecurity challenges in 'DER gateways' with Exelon and Duquesne Light	Protecting vulnerable OT devices: Causes and consequences of running unpatched systems **Sponsored by Fortinet**	Unpacking Ameren's zero-touch private LTE strategy	How Southern Company and Exergy utilize all that private LTE data	PG&E and PSEG on how AI is reshaping utility work	Women in power: Shaping the future of utilities	AEP, PG&E, and Oncor on policy-influenced grid investment strategies	
2:00 pm - 2:50 pm	How Duke Energy automates capacity planning	Results from FirstEnergy's ambitious pursuit of distribution automation	PG&E showcases implementation challenges and solutions to substation automation	How Oncor developed an integrated system resiliency plan to mitigate resiliency events	AEP's strategy for managing, purging third-party attachment requests	Sponsored	Navigating cloud adoption and the regulatory landscape with NERC and AWS	Best practices for cybersecurity & safety in battery storage systems	**Sponsored by Ericsson**	Extending impact: CPS Energy's innovative use of shared APN	Sponsored	Workforce strategies for enhancing substation and transmission operations		2024 election insights: Policy perspectives from Duke Energy and Vermont Electric Power
3:00 pm- 3:50 pm	Renewables integration and grid modernization challenges in electric utilities	T&D circuit segmentation for improved resilience—A Texas case study	Sponsored by PWC	Using AI and sensors to predict and detect equipment faults	Breaking the Cycle: Entergy's Data-Driven Approach to Balancing Vegetation Management Cost and Reliability **Sponsored by ArcDash**	Evergy inspected 9,000 miles of transmission with AI. What did they learn?	Sponsored	Engineering best practices for quantifying cyber risks	4G or 5G? Inside Southern California Edison's decision	Leveraging eSIM technology in the utility environment **Sponsored by USCellular**	Distribution workforce of the future: needs and solutions	How LADWP and Oncor attract and retain talent in a dynamic labor market		Sponsored
4:00 pm- 4:50 pm	Transforming utility operations: Integrating smart meter, SCADA, and IT data for enhanced efficiency **Sponsored by AVEVA**	PSCO improved reliability with smarter customer segmentation	Empowering modern grids: Strategies and insights on grid edge intelligence deployment	AES on making the business case for advanced inspection tools	Dominion is facing rapid growth. Here's how they plan long-term	How AI will transform grid operations **Sponsored by Oracle**	How AI fortifies Sempra's cybersecurity strategy	Engineering-Grade OT Security: Network Engineering	Leveraging eSIM technology to improve SCADA resiliency	Why Xcel picked private LTE, and what happened next	Exploring talent acquisition and retention strategies with National Grid, the Society of Women Engineers, and ABB	Predictive risk analysis: Leveraging early fault detection to mitigate storm impacts and prevent wildfires **Sponsored by IND Technology**		Inside the ISO: Grid operator perspectives on the evolving grid

Wednesday, March 26

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9:00 am- 9:50 am	Using transportation analytics to prevent EV demand challenges at FirstEnergy and Austin Energy	Electrifying transportation: Insights from utility leaders **Sponsored by Sand Technologies**	Challenges and Lessons Learned for Scaling Charging Programs with Baltimore Gas and Electric and Arizona Public Service.	Sponsored	SCE and BC Hydro grid hardening methods to mitigate the risk of wildfire	How Duke Energy used generative AI for DER growth and grid reliability	Omaha Public Power District embarks on massive grid modernization plan	Advancing grid accuracy: Next-generation tools for distribution network validation **Sponsored by Hubbell**	*Making the case: Economic and societal values of DERMS with PG&E , Xcel, and National Grid*	9:00 am - 9:25 am- Transforming streetlights into smart Meters: The future of municipal energy management 9:25 am - 9:50 am- Smart city practical and innovative initiatives impacting decarbonization	Innovation best practices for economic development and climate resilience	Lessons learned from a European approach to distribution grid interconnections	Duke's tools for transitioning customers to time-of-use	Sponsored
10:00 am- 10:50 am	Navigating EV growth in Maryland and Illinois	Oncor brings commercial and fleet managed charging to Dallas	Hybrid microgrids: Optimizing for commercial electric vehicle fleets **Sponsored by Power Secure**	10:00 am - 10:25 am- Demonstration utility-scale, long-duration energy storage for microgrids 10:25 am- 10:50 am- PG&E's comprehensive roadmap for enabling community microgrids	Understanding reverse power flow impacts at National Grid and FirstEnergy	Sponsored	National Grid's implementation of fault location isolation & service restoration (FLISR) for reliability	What is that 'manhole load?' Using AI to capture and analyze behind-the-meter DER data	How Network Manager ADMS system drives grid-aware DERMS **Sponsored by Hitachi**	Resilience solutions for wastewater treatment facilities in Kentucky and beyond	10:00 am - 10:25 am- Chicago's unified IoT platform powers multiple smart city solutions 10:25 am - 10:50 am- ComEd's Microbial for Community Resiliency in Bronzeville	Sponsored	Georgia Power proves why T&D can't be siloed	Policy impacts on distribution planning at LUMA, ComEd, and Eversource
11:00 am- 11:50 am	Sponsored	Scalable smart charging management solutions	The great debate: Utility-owned vs. private EV charging infrastructure	Sponsored by Siemens	Enabling electrification without rebuilding the grid **Sponsored by Landis + Gyr**	Best practices for DER commissioning at SRP, FirstEnergy, and ENMAX	Launching a virtual power plant in Colorado: by leveraging an integrated ADMS and DERMS solution **Sponsored by Itron**	A municipal utility's plan to build a control room of the future	Leveraging AMI 2.0 to develop Control Centers and Smart Grid features for low voltage networks - Lessons learned by ENEDIS, Europe's largest DSO (15M customers)	Building secure and reliable networks for the future of utilities **Sponsored by Semtech, a Xylem brand**	Smart cities and sports: LA and SCE prepare the grid for the World Cup, Superbowl and Olympics	No Wi-Fi, no problem: How Austin Energy brought demand response to underserved communities	Sponsored	Strategic use of open source to accelerate the energy transition

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1:00 pm - 1:50 pm	ComEd's distribution automation: failing conductor protection pilot	Wildfire prevention for safer grid management **Sponsored by Itron**	Harnessing the power of DER for utilities	Sponsored	Generative AI is transforming Exelon's organization	How Eversource is predicting and preventing outages with AI	Best practices for small utilities to implement cyber-secure SCADA	Sponsored	Transformer overload protection using wireless communications at PG&E	Public cellular vs. private LTE: Utilities share network strategy considerations	Utility workforce development challenges and solutions	VELCO embraces digital transformation and enhancing workforce development		Utilities tap into unprecedented federal funding to bolster resilience
2:00 pm - 2:50 pm	Grid-edge resilience: Utilities share strategies for modernizing the most vulnerable area of the grid **Sponsored by S&C**	Up close with SCE's long-term distribution planning tool	CPS Energy is using federal funding to modernize its grid, and you can too	Allvelps Con Edison predict storm outages and restoration timelines	Enhancing Grid Connectivity: Data Quality for Strategic Battery Energy Storage Deployment at SCE	Sponsored	Mitigating cybersecurity risk in utility supply chains	Utility lessons learned from converging IT and OT security strategies	Sponsored	What Evergy learned from deploying private LTE	Reducing carbon footprints: SMUD and Itron's journey toward a more sustainable future **Sponsored by Itron**	2:00 pm- 2:25 pm- Enhancing worker and driver safety with AI at Exelon 2:25 pm- 2:50 pm- Eversource transformed workforce safety by enhancing the job brief process. Here's how		Sponsored
3:00 pm- 3:50 pm	How National Grid operationalized the largest DLR deployment in the US	Case study: A framework for grid modernization with Puget Sound Energy	Utility digital transformation: The role of next-gen metering in the energy transformation **Sponsored by Ernst & Young**	Transforming SDG&E's grid management with digital twin, time-series data, and machine learning	Sponsored	Tampa Electric's custom-built approach to modernizing its work and asset management system	Sponsored	Basin Electric modernized its grid. Here's how the G&T tackled new cyber threats	Why robust networks were key to unifying these utilities	A deep dive into AMI 2.0: Applications and network needs **Sponsored by Itron**	3:00 pm - 3:25 pm- Scaling remote workforce grid operations at FirstEnergy 3:25 pm - 3:50 pm- How A Utility Can Use AI to Identify Operator-to-field-operator Miscommunications	Case study: Implementation of OMI methodology in electric utilities		AI applications in T&D: Pepco, APS, and SCE
4:00 pm- 4:50 pm	Rapid resiliency: Assessing and strengthening wood poles for resilient overhead systems **Sponsored by Osmose**	Case study: New Zealand utility's system hardening plan began with gaining a clear view	Utility grid-edge investment strategies to modernize and future-proof operational systems	Cooperative leverages advanced metering using AI-driven topology correction	4 utilities share advanced tech for identifying and locating wildfires	Sponsored	Strategies in mitigating GPS cybersecurity risks and enhancing resiliency	Remote updates for transmission substation devices with LG&E-KU	From grants to grids: Unlocking smart grid potential through broadband investments	ComEd's journey beyond the lab to test private LTE use cases	Creating a digital strategy to enable the energy transformation at Salt River Project	Sponsored by Tata		Transmission hosting capacity analysis and beyond at Dominion Energy

Thursday, March 27

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9:00 am- 9:50 am	Duke Energy's autonomous smart charging to alleviate transformer loading	From passive to active: Managed charging opportunities in the US	Optimizing Energy & Utility Asset Management through Smart Streetlighting	Learnings from the field: Developing community and grid resilience projects	9:00 am- 9:25 am- Austin Energy's approach to enhancing overhead resiliency 9:25 am- 9:50 am- How SMUD is accelerating grid-edge adoption with federal incentives	State and utility partnerships for microgrids and energy storage in Pennsylvania	Inside ComEd's operational analysis with distribution automation	How Eversource is scaling DERMS based on evolving needs	Making the most of AMI: Data drives organizational decisions at Exelon and Duke					
10:00 am- 10:50 am	Innovations in Electrification: Off-Road EV Impacts to Off-Grid Charging Solutions	Why utilities must collaborate with EV manufacturers on managed charging	Sponsored	Resilient communities via tech-driven infrastructure planning and automated restoration	10:00 am - 10:25 am- Evaluating resilience benefits from DER and storage projects: A case study from Duke Energy 10:25 am - 10:50 am- DER hosting capacity vs allocation: Equitable DER adoption on high penetration feeders with Hydro One	NV Energy and Nova Scotia Power strategies for enabling battery storage value stacking	DERMS lessons learned by G&T cooperatives	Intelligent wildfire mitigation strategies with Idaho Power and Consumers Energy	Next-gen AMI: SCE's call to address technology gaps					
11:00 am- 11:50 am	How digitalization empowers SCE and PG&E to advance electric freight	Orange and Rockland demonstrates new applications of EV managed charging to enhance grid flexibility	Harnessing the power of digital twins for optimized infrastructure planning	Data-Driven programs to strengthen community choice, transparency, and engagement	Dominion, National Grid, and SCE approaches to "right-sizing" distribution systems to enable deep decarbonization	11:00 am - 11:25 am- SDG&E mobile battery storage use cases and valuation 11:25 am - 11:50 am- Why Xcel chose mobile energy storage to support grid capacity	The impact of ADMS on WEC's operations and crews, and what they did about it	VRDT roll-out strategies and experiences from Pepco and ComEd	Making sense of AMI 2.0 with CPS Energy, National Grid, and Snohomish PUD					