

ELECTRIFICATION 2026 Pre-Conference Workshops

Tuesday | 6/23

8:00 AM - 12:00 PM	Advanced Heat Pump Applications	Learn about strategies and applications details for advanced building heat pump technologies (heating, cooling, water heating). Learn how new technologies are affecting the way sizing and design choices are made for different building types (residential, commercial, industrial).
8:00 AM - 12:00 PM	Industrial Electrification Training	Are you interested in learning how to engage industrial facilities to identify electrification opportunities? Or maybe you are an industrial facility manager and don't know what decarbonization options are available. Hear from EPRI and various industry leaders about their experience identifying opportunities and implementing electrification strategies.
8:00 AM - 12:00 PM	Behind the Transportation Numbers: What to know about the vehicle economics and usage patterns driving transportation electrification and load planning	EVs are being adopted at different rates depending on the vehicle segment and use-case, so despite some flagging policy support the economics will continue to drive electrification. This half-day transportation electrification workshop will feature real life data that are shaping consumer and fleet adoption and the behaviors and trends behind charging. Critical utility planning topics will cover EPRI's library of TCO by vehicle segment, EPRI's library of load shapes by vehicle segment, nameplate vs. diversity factors in grid planning, and power-level trends.
8:00 AM - 12:00 PM	State-of-the-Art Alternative Fuel Production and Storage	Explore the forefront of low-carbon fuel innovation in this session focused on cutting-edge production technologies. From green hydrogen to advanced biofuels and synthetic fuels, we'll dive into the latest breakthroughs in feedstocks, conversion processes, storage and scalability challenges. Attendees will gain insight into how these fuels are being engineered to meet the demands of a decarbonized future.
8:00 AM - 12:00 PM	Managing Disconnections	Energy affordability is a threat to electrification and the energy transition. The rising numbers of electric utility disconnections are a warning sign to utilities, their customers, regulators, and legislators. This workshop will examine disconnections from the customer and utility perspectives, the current state of disconnections and the future risk. The interactive workshop will focus on policy and operational procedures that can help mitigate and avoid disconnects by managing energy usage and bills.
1:00 PM - 5:00 PM	Leading Practices for Income-qualified Programs	Promoting electrification and affordability for all income levels requires specialized approaches. This dynamic workshop will dive into program maturity and leading practices, enabling participants to self-assess and develop plans and strategies for program design, outreach, and implementation. Community Data Partners will join EPRI researchers in presenting a maturity model and sharing lessons learned from pilots and case studies as well as successful programs.
1:00 PM - 5:00 PM	Planning for Transportation Electrification: How leading fleets, charging providers, and utilities are making the most of the next few years to plan for this inevitable load	EVs are expected to be a bigger driver of load growth in the long run than data centers, so understanding this load and making the most use of the next few years to plan for this large-scale load matters. This half-day transportation electrification workshop will feature real life experiences that are shaping the most critical fleet operator, charging developer, and utility planning topics including flexible interconnection approaches, managed charging, and utility hosting capacity sharing options. This session will also highlight some of the most common charging provider site designs and charging implementation approaches in use today.
1:00 PM - 5:00 PM	Industrial and Transportation Applications of Alternative Fuels	Discover how hydrogen, biofuels, and e-fuels are reshaping the industrial and transportation landscape—from high-temperature heating to long-haul trucking and maritime shipping. This session highlights infrastructure requirements, system compatibility, and policy developments driving adoption. Case studies will showcase how alternative fuels are being deployed to decarbonize these sectors at scale.

ELECTRIFICATION 2026 Plenary Sessions



Wednesday | 6/24

8:30 AM - 10:00 AM

PLENARY SESSION	Opening Plenary	Join us for an inspiring kickoff featuring welcome remarks from Rob Chapman , Executive Vice President and Chief Customer and Commercial Officer of EPRI, and Calvin Butler , President and CEO of Exelon. The opening keynote will be delivered by Michael Innocenzo , Executive Vice President and Chief Operating Officer of Exelon , followed by a dynamic customer panel led by Tamla Olivier , President and CEO of Baltimore Gas and Electric Company . The discussion will explore the value and transformative impact of end-use electrification across the panelists' diverse industries.
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4:00 PM - 5:30 PM

PLENARY SESSION	Powering Progress Through AI	The rapid expansion of data centers—especially AI factory—is straining global energy infrastructure. Grid demand is surging at unprecedented levels, outpacing traditional solutions like capacity expansion or demand management. To meet the speed and scale of the AI era, we need bold investment and flexible data center operations. Success depends on cross-sector collaboration to deliver reliable, resilient, and clean energy. This session brings together experts to share their strategies and real-world innovations driving that transformation.
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ELECTRIFICATION 2026 Educational Sessions

Wednesday | 6/24 10:45 AM - 12:15 PM

TRACK 1 Buildings & Technology	Leveraging Codes & Standards for Building Performance	Explore how evolving reach codes and building performance standards are shaping the future of energy-efficient building design and operation. This session will highlight policy developments, compliance strategies, and the role of electrification in meeting carbon reduction goals across commercial and residential sectors.
TRACK 2 Overcoming Challenges to Industrial Electrification	Accelerating Industrial Heat Pump Adoption	How do we get industrial heat pumps (IHP) to take off in the US? How do the lifecycle costs of industrial heat pumps compare to conventional heating systems across different industries? Hear from industry experts where IHPs have had initial success today and how key hurdles can be overcome in integrating IHPs at facilities.
TRACK 3 Electrified Agricultural – Watts Growing?	Field Agriculture and Landscaping	Session will focus on how electric and hybrid technologies may potentially revolutionize outdoor agriculture. The session will emphasize the roles of utilities, equipment providers, and communities in the future of agriculture, including highlighting needs like grid modernization, load management, improved crop and energy efficiency, and lowered emissions. Planned topics include proactive planning, infrastructure upgrades, and stakeholder partnerships. The presented case studies will aim to illustrate potential job creation and economic growth that may result from electrified agriculture. The session will conclude with a roundtable on tech adoption and community resilience.
TRACK 4 Affordability & Community Engagement	Energy Wallet – Understanding Household Energy Expenses	During this panel session we'll explore how energy affordability has been the hallmark of both federal and local discussion, and is top-of-mind for energy customers, companies, regulators, and researchers alike. This session will bring these stakeholders together to demonstrate how collaboration and local solution development will be necessary to address affordability.
TRACK 5 Transportation	The Grid's New Power Couple: EVs and Data	EV loads continue to grow. Vehicle manufacturers have made long leadtime investments that can't be easily undone. Leading fleet operators are seeing economic advantages in key segments. Charging providers are installing larger and larger charging stations. How do we make sure the grid is ready? This session will include market updates, trends, load forecasts, and a cross-industry discussion of the challenges and solutions that are making a difference.
TRACK 6 Department of Defense	Powering Defense Innovation: Data Centers, AI, Executive Orders & Energy Challenges	As the largest institutional energy consumer in the world, the U.S. Department of Defense (DoD) faces immense and evolving energy demands to sustain its global operations and infrastructure. From powering data centers and simulation hubs to ensuring uninterrupted support for mission-critical functions on military installations, energy resilience is imperative. This session will explore the impact of the Administration's Executive Order on Data Centers and AI on the Department of Defense, highlighting strategies to enhance energy resilience across installations and address key challenges tied to national security.

ELECTRIFICATION 2026 Educational Sessions

Wednesday | 6/24 1:30 PM - 3:00 PM

TRACK 1 Buildings & Technology	Pumping up the Volume of Heat Pumps	Dive into the latest innovations, applications, and market trends in heat pump technology. From residential retrofits to large-scale commercial systems, this session will showcase how heat pumps are driving decarbonization, improving building performance, and increasing customer choice and comfort.
TRACK 2 Overcoming Challenges to Industrial Electrification	Thermal Energy Storage to Enable Electrification	How can thermal energy storage enable decarbonization and increase resiliency in industrial processes? Join us to learn from experts about the application of thermal batteries, phase change materials and other storage technologies as part of industrial electrification.
TRACK 3 Electrified Agricultural – Watts Growing?	Indoor Agriculture	Session focus will explore how utilities can support Controlled Environment Agriculture (CEA) / indoor farming through infrastructure planning, technology demonstrations, incentives, and tailored programs. Speakers will address CEA power and technology trends with a focus on grid flexibility and sustainable operations. A roundtable will highlight CEA's community benefits—job creation, local food production, and urban revitalization—and discuss how attendees can help drive innovation and regional growth.
TRACK 4 Affordability & Community Engagement	Customer Experience – Understanding Perceptions and Behavior	Leveraging actionable feedback can help make electrification easier and alleviate concerns about affordability. This session analyzes consumer surveys to present insights into preferences, processes, and behaviors surrounding electrification and energy use.
TRACK 5 Electrification & Grid Impacts	Full Speed Ahead: Supercharging Grid Readiness for Electric Vehicles	Transportation loads can show up almost anywhere on the grid and can appear much faster than other loads, so planning ahead and understanding the best available practices is critical. This session will highlight the processes and tools available to help speed grid upgrades and interconnections, including early customer signaling, understanding load shapes, prioritizing upgrades, and leveraging flexible interconnections. Plus hear from the leaders about their plans and how your organization may be impacted.

ELECTRIFICATION 2026 Plenary Sessions

Thursday | 6/25 8:30 AM - 10:00 AM

PLENARY SESSION	Flex Appeal: Empowering Load Growth with Flexibility	As electrification accelerates across sectors—from transportation to buildings—there is increasing pressure on utility infrastructure and customer affordability. This session explores how demand flexibility can be a strategic lever to manage load growth, optimize grid investment, and empower customers with cost-saving opportunities. By shifting and shaping energy use, utilities can unlock scalable decarbonization pathways while enhancing resilience and equity. Join us to examine real-world examples, emerging technologies, and implementation frameworks that position flexible demand as a cornerstone of the clean energy transition.
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ELECTRIFICATION 2026 Educational Sessions

Thursday | 6/25 10:45 AM - 12:15 PM

TRACK 1 Buildings & Technology	Dynamic Buildings as a Flexible Grid Resource	Discover how our existing building stock can serve as dynamic assets in a modern, flexible grid. The effective use of demand flexibility, smart controls, and grid-interactive efficient building operations enable buildings as a grid flexible resource to support further industry expansion and grid resiliency.
TRACK 2 Overcoming Challenges to Industrial Electrification	Advanced Manufacturing: Robotics and Automation	As efforts increase to reshore manufacturing, what technologies can enable increased productivity while maintaining high quality? Come hear manufacturers and innovators talk about Robotic Powder Coating, Logistics Robots, AI Predictive Maintenance, 3D Printing, and Laser Heating/Cleaning.
TRACK 3 Electrified Agricultural – Watts Growing?	AI on The Farm	The AI on the Farm session explores how AI is reshaping agriculture, utilities, and communities through technologies like precision farming, energy management, and automation. Presenters will highlight the need for data infrastructure, flexible rates, and partnerships, while examining AI's potential impact on workforce, crop and energy efficiency, and resilience. Session roundtable will discuss future AI developments and their effects on farming and community growth over the next decade.
TRACK 4 Affordability & Community Engagement	Program Innovation – Advancing Electrification and Affordability	Utilities and other organizations provide an array of programs and initiatives designed to advance electrification. This session provides leading program design and community engagement practices, innovative examples, and lessons learned for customer and community programs and engagement.
TRACK 5 Transportation	The Real Deal: Candid Conversations with EV Industry Insiders	Hear from expert observers of the industry who make it their business to know what's really going on in the market! Plus join this interactive audience session to test your knowledge of the EV market and learn from others who've spent the past decade(s) in this business that has seen EV market share grow from nothing to 10% of all new vehicle sales!