



THE CURRENT

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AEIC Leadership

CEO Corner

Twenty-five years ago, I was asked to testify before the US Senate's Energy Committee and describe a vision for what our nation's energy system would be like in the 21st century. I was working at a national laboratory at the time and not for a utility. As such, I did not present myself as an expert but simply as an observer watching other industries rapidly changing and new technologies beginning to emerge, particularly information technologies. While the iPhone was still a few years away, the internet and related technologies were already transforming several industries and impacting their relationships to their customers and assets. For some, the creative destruction that followed would be a boom and for others a bust. Think Verizon versus Ma Bell, Netflix versus Blockbuster, Amazon versus malls and department stores, and FedEx versus the US Postal Service. It seemed rather obvious at the time that a similar transformation to the electric utilities was inevitable.



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To quote my younger self from that testimony... *"I believe we are on the verge of a major transformation in the energy system... A transformation that recognizes and embraces the complexity while preserving the health of the entire system and meeting the diverse, individual needs of each consumer. A transformation that creates a web of energy sources and sinks, suppliers and users, all interacting in near real time to balance supply and demand, investment and cost. Our energy system has its roots in the 19th century industrial revolution with demand driving supply, and large investments in infrastructure driving the economy. This system has served us well. As we begin the 21st century, the "Information Age" demands a new model, one that leverages information to optimize our use of energy. This new model promises to carefully manage our use of precious resources and expensive assets while protecting the environment and enhancing the economy."*

As we enter 2025, the 2nd quarter of the 21st century, we are at a critical time for our industry, a time of our own creative destruction in which new innovations are already replacing and making obsolete older innovations. This is not to say that electric utilities will go the way of local telephone companies but, rather, to recognize that technology is driving significant change. As the industry's operational experts, we must continue to lead in the design and implementation of new approaches for our industry. Your continued involvement in AEIC today is essential to shaping the future of our industry for decades to come.

I am grateful for the opportunity to lead this organization at such a critical and exciting time for our industry. AEIC has hundreds of utility leaders that understand this transformation and are committed to making it a reality. Together, we are fulfilling the vision of AEIC "To be the leading authority for operational excellence across the electric utility industry".

Steve



A Message from Our President

Greetings,

As AEIC president, I'm wishing you a new year filled with success, collaboration, and growth.

To all our members supporting customers in California, particularly those affected by the wildfires, I want to express my sympathy and hopes for a speedy recovery.

At AEIC, we are focused to continue to share operational knowledge, insights, and strategies amongst our peers. This collaborative approach is a cornerstone of our mission and helps us each grow.

AEIC is a center for operational excellence, professional development, and knowledge-sharing. These elements are integral to the communities we serve and

are what make AEIC a unique and valuable resource for the industry. Search our online AEIC store to find technical documents and procedures, listen to the Grid Mod podcast to learn what companies are doing to modernize and improve our ever-evolving energy grid, and join one of our many committees to identify and share best practices.

It's up to all of us to develop a modern, sustainable grid and serve as champions for change. This is a vital part of our future and something that truly sets our organization apart.

Stay connected,

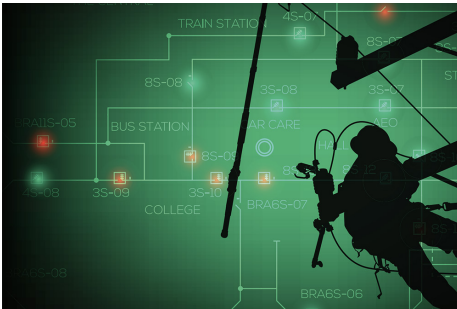
Bob

Committee Updates

AEIC committees bring together leadership across the member utilities to address key challenges and opportunities in generation, transmission, distribution, storage, safety, and customer service. Our focus is on operational excellence – sharing best practices, technical advances, and collaborative solutions that create a secure energy future for all. **AEIC’s Committees will undergo exciting changes in 2025, featuring restructuring and leadership updates.**

Upcoming Committee Meetings

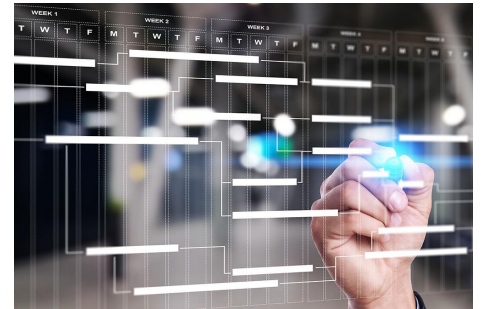
If you’re interested in contributing to industry-leading discussions and projects, our committees are always eager to welcome fresh perspectives from engaged members. **To attend any of the upcoming committee meetings, contact us at aeic@aeic.org, and we’ll connect you with the committee leadership.**



Storm Team
February 3-4, 2025
Birmingham, AL



Power Generation
February 4-5, 2025
Tampa, FL



Project Management
March 17-19, 2025
Detroit, MI



Power Delivery
March 24-26, 2025
Mobile, AL



EPAC
March 31-April 2, 2025
Memphis, TN



Customer Service
March 2025
Tampa, FL



Distributed Energy Resource
April 8-9, 2025
Oklahoma City, OK



AEIC's Center for Operational Excellence



CENTER FOR OPERATIONAL EXCELLENCE

To learn more about the Ops Center, visit <https://aeicopscenter.org/>.

2024 Forums Overview

Last year, the Center hosted two transformative workshops. In 2025, we aim to host an additional 6-7 workshops both in person and virtually. Each event is designed to address critical issues in grid modernization and utility operations while supporting strategic alignment for future challenges.



Completed Workshops

Integration of Inverter-Based Resources (IBRs) and Distributed Energy Resources (DERs): Explored the operational, regulatory, and financial dimensions of integrating energy storage and other IBRs into utility systems.

Integrated System Planning (ISP): Focused on improving grid resilience and efficiency through enhanced load forecasting, interconnection practices, and alignment with decarbonization goals.

Upcoming Workshops in 2025



Data Center Connections Workshop

January 22-23, 2025

Pittsburgh, PA

Powering the Data Revolution: Connecting Data Centers to the Grid

It's no secret that data centers put an immense strain on the grid. As they grow in size, importance, and complexity, ensuring their seamless connection to the grid requires careful planning. This workshop will explore the best practices for integrating data centers with electrical infrastructure.

As part of this workshop, you'll also learn how the Integrated System Planning framework helps balance the unique challenges of data center connections with overall grid stability. Sign up now to learn how to optimize data center connections while ensuring grid resilience and supporting future growth.

Workshop Focus Areas

- Challenges in connecting data centers to the grid efficiently.
 - Ensuring reliability and resilience in data center connections.
 - Future-proofing data center integration with system modernization efforts.
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Data and Communication Strategy Workshop

February 26-27, 2025

Washington, DC

Enhancing Grid Performance Through Data & Communication Strategies

Want to discover how innovative data and communication strategies can empower your utility to drive better outcomes? Sign up now for our data and communication strategy workshop.

Effective data and communication strategies are not only the backbone of modern grid systems, but essential to optimizing grid operations. This workshop will focus on how utilities can leverage data and communication to improve decision-making, system efficiency, and customer satisfaction. You'll also learn how these strategies support integrated system planning, ensuring that utilities can respond to operational challenges swiftly and effectively.

Workshop Focus Areas

- Building robust data strategies for grid management.
 - Integrating communication technologies for real-time grid operations.
 - Leveraging data analytics to enhance system reliability and performance.
-



Fleet Electrification Workshop

April 2-3, 2025

Denver, CO

Electrifying Fleets for a Sustainable Future

With transportation moving towards a zero-emissions future, fleet electrification is a key priority for utilities and organizations. It's a critical component of integrated system planning, ensuring that utilities are equipped to handle the demands of a growing fleet of electric vehicles while maintaining grid reliability and performance.

This workshop will focus on the strategic planning needed to support fleet electrification efforts. Join us to explore the roadmap for fleet electrification and how your organization can lead in this critical transition.

Workshop Focus Areas

- Understanding infrastructure needs for large-scale fleet electrification.
- Aligning fleet electrification projects with grid modernization goals.
- Challenges and solutions for accelerating fleet electrification timelines.



Asset Health & Substation Modernization Workshop

April 22-23, 2025

Modernizing Substations for the Future Grid

Want to be a utility that stays ahead of the curve? Sign up now for our next workshop to learn how to modernize your substations and ensure asset health.

With the aging grid infrastructure, modernizing substations and ensuring asset health is critical for future-proofing the electrical system. This workshop will not only delve into the best practices for asset management and substation upgrades, but will also show how these efforts tie back to integrated system planning, ensuring resilience and long-term sustainability.

Workshop Focus Areas

- Modernization techniques for substations.
- Predictive maintenance strategies for asset health.
- Aligning substation upgrades with grid modernization goals.



Work Prioritization & Performance Processes Workshop

September 16-17, 2025

Optimizing Workflows: Prioritization and Performance in Grid Operations

Continued on the next page

Efficient work prioritization and performance monitoring are not only key to managing the growing complexity of modern grid operations, but an integral part of the integrated system planning framework. Please join us to learn how to optimize your work processes and enhance performance to meet the demands of the future grid.

This workshop will focus on strategies for optimizing workflows, maximizing operational efficiency, and tracking performance to achieve grid modernization goals.

Workshop Focus Areas

- Prioritization methods for grid modernization projects.
- Measuring performance and setting KPIs for grid operations.
- Tools and processes to streamline workflows in utility organizations.



Upcoming Member Spotlights

AEIC's Member Spotlight Series are virtual presentations held biweekly on Friday at 2:00 PM - 3:00 PM (Eastern Time Zone).



Integrating AI Models and Synthetic Image Data for Enhanced Asset Inspection and Defect Identification

January 24th



Revolutionizing Reliability through AI-Driven Outage Predictions

February 7th



Climate Intelligence Platform and WiNGS

February 21st

Member Engagement Opportunities

Join Us at Edison Congress

May 12-14, 2025

Hotel Washington, 515 15th St NW, Washington, DC 20004

We're excited to invite AEIC members to the upcoming Edison Congress, an event that brings together top industry leaders and visionaries to explore groundbreaking strategies and innovations shaping the future of the electric utility industry. This is your opportunity to connect with your peers, share your insights, and inspire progress in our field.



As a valued AEIC member, you'll receive 50% off your registration for Edison Congress by visiting www.edisoncongress.com and entering the discount code "AEICMEMBER" at checkout. This is a great opportunity to maximize your involvement while saving on costs.

Member Spotlight Webinar

Showcase your achievements in a Member Spotlight virtual presentation on Microsoft Teams. Held biweekly on Friday at 2:00 pm ET, this platform allows you to share successful projects and insights with fellow AEIC members. You choose the topic and the presenters for your 45-minute presentation. We'll promote the event to all AEIC member companies and track pre-registered attendance. With your approval, we'll record your presentation and post the video and slides on the AEIC member portal for continued visibility.



Grid Mod Pod Episode

Join The Grid Mod Pod, AEIC's podcast series, as an interview guest to share your insights. Hosted by Dr. Elizabeth Cook, VP of Technical Strategy, this opportunity allows for a 20-minute interview, scheduled at your convenience. Following the interview, the edited version is posted on AEIC's YouTube channel and promoted across platforms, enhancing your presence in the grid modernization discourse.

Member Feature Articles In Public Utilities Fortnightly

Elevate your company's visibility by contributing to Public Utilities Fortnightly (PUF) through AEIC's Member Feature Articles. These monthly articles delve into operational topics and industry issues. Original, unpublished content authored by your team, with the option for AEIC's communications team to assist, ensures a tailored spotlight on your expertise. Once published, we extend the reach by sharing it on AEIC's website, member portal, and social media platforms.

Interested in sharing your insights through one of our member opportunities?

Click [here](#) to let us know you are interested.

Mark Your Calendars!

January

- 1/22 - Data Center Connections Workshop
- 1/24 - AEIC Member Webinar with Exelon

February

- 2/3 - Storm Team Spring Meeting
- 2/4 - Power Generation Spring Meeting
- 2/7 - AEIC Member Webinar with Eversource
- 2/21 - AEIC Member Webinar with SDG&E
- 2/26 - Data and Communication Strategy Workshop

March

- 3/17 - Project Management Spring Meeting
- 3/24 - Power Delivery Spring Meeting
- 3/21 - EPAC Spring Meeting
- TBD - Customer Service Spring Meeting

April

- 4/2 - Fleet Electrification Workshop
- 4/8 - DER Spring Meeting
- 4/22 - Asset Health & Substation Modernization Workshop



AEIC 141st Annual Meeting

Save the Date for 2025

November 4-6, 2025

The Charleston Place • Charleston, SC

