

**The  
Industry's  
Leading  
Operations  
Association**



**AEIC**

EST 1885

# A Legacy of Leadership

As the electric industry's longest-serving association, founded by Thomas Edison, AEIC has been leading the way since 1885

**139** years of industry leadership

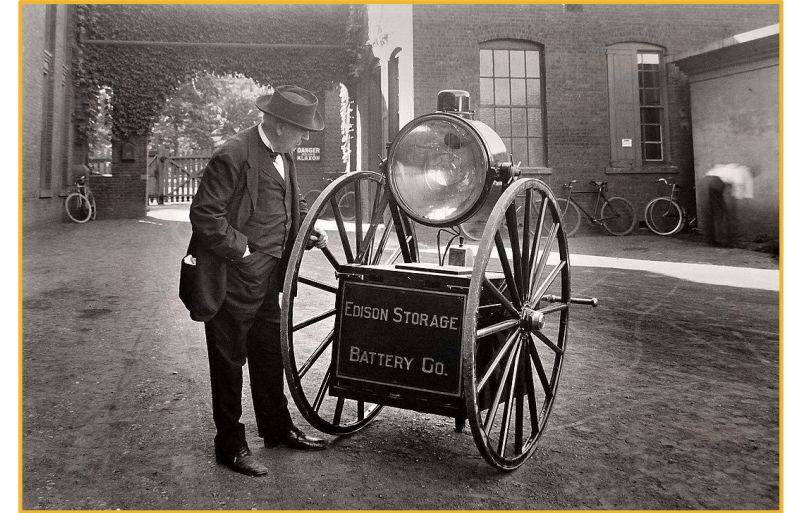
**180+** member companies comprised of public and private utilities (holding companies and subsidiaries) with operations in all 50 states, DC, 3 Canadian provinces, and the Caribbean

**25** senior executives from the nation's leading electric utilities serving on the Board of Directors

**500+** industry operations leaders serving on 13 technical committees, subcommittees, and councils

**250+** Industry leaders sharing ideas and networking at AEIC's Annual Meeting

**35+** in-person and virtual committee meetings and training opportunities annually



## Edison's vision for AEIC:

To provide “a setting for giving and receiving of encouragement...in which chief executive officers and representatives from the engineering and operating staffs could talk of common interests and concerns.”



# Mission and Vision

## Mission

*AEIC builds one-of-a-kind industry relationships and networks and develops operational best practices by engaging leaders from across the utility industry*

## Vision

*To be the leading authority for operational excellence across the electric utility industry*





# The Industry's Operations Leaders

The need for AEIC's expertise and leadership has never been greater

AEIC's members are focused on addressing key industry issues across all aspects of generation, transmission, distribution, and storage of electric power for the benefit of all utilities, the industry at large, and consumers.

**Working together, AEIC members:**

- Respond to challenges
- Accelerate change
- Achieve excellence





# Together We Design, Build, and Operate the Grid

## Making the Knowledge of One, the Knowledge of All

Through the work of our committees, AEIC and its member companies address operational opportunities and challenges related to generation, transmission, distribution, storage, safety, and customer service to deliver a secure energy future for all.

Each of our committees has a robust roster of technical and subject matter experts who serve in leadership roles within their companies. Committee members work together to solve challenges of mutual concern, share best practices, and ensure that manufacturers are prepared to meet the needs of the industry.

## Culture of Collaboration

AEIC strives to maintain a culture of routine access, availability, and ongoing communication among committee members throughout the year. To accomplish this, Committee members engage and collaborate at regularly scheduled in-person and virtual committee meetings.

Each committee determines specific areas of focus, engages, and delivers valuable information to AEIC members and the industry through various formats including reports, guidebooks, product feedback, recommendations, whitepapers, technical specifications, and more.



***“This is, hands down, the elite operating organization in the industry.”***

*- Jim Greer, EVP & COO, Oncor*

***“The strength of AEIC is the opportunity it provides to engage with your peers and collaborate on what really impacts your ability to be successful.”***

*- Jacob Tetlow, EVP, Operations, Arizona Public Service Co.*

***“The companies that aren’t here are missing out on a lot of shared knowledge, and a lot of collaboration that they could be gaining benefits from if they were an active participant.”***

*- Heather Rivard, SVP, Transmission & Distribution, Southern California Edison Co.*



# 2024 Executive Committee



**Heather Rivard**  
**President**  
SVP, Transmission & Distribution  
Southern California Edison Co.



**Robert Sanchez**  
**1st Vice President**  
President & CEO  
Orange & Rockland Utilities



**Jim Heilbron**  
**2nd Vice President**  
SVP, Technical Shared Services  
Southern Company



**Steve Hauser**  
**CEO**  
AEIC



**Werner Schweiger**  
**Past President**  
Executive Advisor for Operations  
Long Island Power Authority





# 2024 Board of Directors



**David Bonenberger**  
President  
Rhode Island Energy



**Archie Collins**  
President & CEO  
Tampa Electric Co.



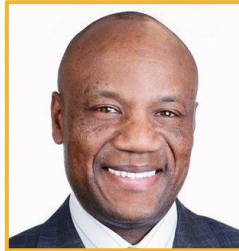
**Andrea Dennis**  
VP, T&D Operations  
Oklahoma Gas & Electric Co.



**Ed De Varona**  
VP, Transmission & Substation  
Florida Power & Light | NextEra Energy, Inc.



**Tom Falcone**  
CEO  
Long Island Power Authority



**Ben Felton**  
EVP & COO  
Portland General Electric



**Michael Finissi**  
COO  
Santee Cooper



**Kevin Geraghty**  
COO & Chief Safety Officer  
San Diego Gas & Electric



# 2024 Board of Directors *(continued)*



**Cedric Green**  
SVP, Generation  
Dominion Energy



**Jim Greer**  
EVP & COO  
Oncor



**Joi Harris**  
President & COO  
DTE Energy



**Michael Lamb**  
SVP  
Xcel Energy



**Raynetta Marshall**  
COO  
JEA



**Damon Morgan**  
EVP & COO  
Power South Energy Coop



**David Perez**  
COO  
Commonwealth Edison Co.



**Jim Pratt**  
General Manager & CEO  
Salt River Project



# 2024 Board of Directors *(continued)*



**Al Rudeck**  
Chief Strategy Officer  
Chugach Electric



**Harry Sideris**  
EVP, Customer Experience  
Duke Energy



**Leonard Singh**  
Chairman & President  
Ameren Illinois



**Wade Smith**  
EVP & COO  
Puget Sound Energy



**Jacob Tetlow**  
EVP, Operations  
Arizona Public Service Co.





# AEIC Member Companies

- ALLETE
- Ameren
- American Electric Power Co.
- American Transmission Co.,, LLC
- Arkansas Electric Cooperative Corp., Inc.
- Associated Electric Cooperative, Inc.
- AVANGRID
- Bandera Electric Cooperative
- Basin Electric Power Cooperative
- Berkshire Hathaway Energy
- Buckeye Power, Inc.
- Calpine Corp.
- Caribbean Utilities Co., Ltd.
- CenterPoint Energy, Inc.
- Chugach Electric Association
- Cleco Corporate Holdings LLC
- CMS Energy Corp.
- Con Edison, Inc.
- Cooperative Energy
- CPS Energy
- Dairyland Power Cooperative
- Dominion Energy
- DQE
- DTE Energy
- Duke Energy



# AEIC Member Companies *(continued)*

- East Kentucky Power Cooperative
- Electric Power Research Institute (EPRI)
- El Paso Electric Company
- ENMAX
- Evergy Inc.
- Eversource
- Exelon Corp.
- FirstEnergy Corp.
- Georgia Transmission Corp.
- Great River Dam Authority
- Great River Energy
- Hawaiian Electric Industries, Inc.
- Hydro One
- Hydro-Québec
- JEA
- Los Angeles Department of Water and Power
- Long Island Power Authority
- LUMA Energy ServCo, LLC
- Luminant
- National Grid USA
- New York Power Authority
- NextEra Energy, Inc.
- NiSource
- North Carolina Electric Membership Corp.



# AEIC Member Companies *(continued)*

- NRG Energy
- OGE Energy Corp.
- Oglethorpe Power Corp.
- Omaha Public Power District
- Oncor
- Orlando Utilities Commission
- Pacific Gas & Electric Co.
- Pinnacle West Capital Corp.
- Portland General Electric Co.
- PowerSouth Energy Cooperative
- PPL Corp.
- Public Service Enterprise Group
- Puget Sound Energy
- Rappahannock Electric Coop
- Salt River Project
- San Diego Gas & Electric Co.
- Santee Cooper
- Southern California Edison Co.
- Southern Company
- Tampa Electric Co.
- Tennessee Valley Authority
- Tri-State Generation & Transmission Assn.
- WEC Energy Group
- Xcel Energy





# AEIC Member Companies & Subsidiaries

## **ALLETE**

- ALLETE Clean Energy
- Minnesota Power
- Superior Water, Light & Power

## **Ameren**

- Ameren Illinois
- Ameren Missouri
- Ameren Transmission

## **American Electric Power Co.**

- AEP Energy
- AEP Generation Resources
- AEP Ohio
- AEP Texas
- AEP Transmission
- Appalachian Power
  - Kingsport Power Co.
  - Wheeling Power Co.
- Indiana Michigan Power

## **American Electric Power Co. (continued)**

- Kentucky Power
- Public Service Company of Oklahoma
- Southwestern Electric Power Co

## **American Transmission Co., LLC**

## **Arkansas Electric Cooperative Corp., Inc.**

## **Associated Electric Cooperative, Inc.**

## **AVANGRID**

- Avangrid Renewables, LLC
- Central Maine Power
- New York State Electric & Gas
- Rochester Gas & Electric Corp.
- UIL Holdings Corp.
  - The United Illuminating Co.



# AEIC Member Companies & Subsidiaries *(continued)*

## **Bandera Electric Cooperative**

## **Basin Electric Power Cooperative**

## **Berkshire Hathaway Energy**

- MidAmerican Energy Co.
- NV Energy
- PacifiCorp
  - Pacific Power
  - Rocky Mountain Power

## **Buckeye Power, Inc.**

## **Calpine Corp.**

## **Caribbean Utilities Co., Ltd.**

## **CenterPoint Energy, Inc.**

- CenterPoint Energy
- Houston Electric
- Southern Indiana Gas & Electric Co.

## **Chugach Electric Association**

- Anchorage Municipal Light & Power, Inc.

## **Cleco Corporate Holdings, LLC**

- Cleco Cajun
- Cleco Power

## **CMS Energy Corp.**

- Consumers Energy Co.

## **Consolidated Edison, Inc.**

- Con Edison Clean Energy Businesses, Inc.
- Con Edison Transmission, Inc.
- Consolidated Edison Company of New York, Inc.
- Orange and Rockland Utilities, Inc.
  - Rockland Electric Co.

## **CPS Energy**



# AEIC Member Companies & Subsidiaries *(continued)*

## **Dairyland Power Cooperative**

### **Dominion Energy**

- Dominion Electric Transmission
- Dominion Energy North Carolina
- Dominion Generation
- Dominion Energy Virginia
- SCANA
  - PSNC Energy
  - SCE&G
  - Southeast Energy Group

### **DQE**

- Duquesne Light Co.

### **DTE Energy**

- DTE Electric Co.

## **Duke Energy**

- Duke Energy Carolinas
- Duke Energy Florida
- Duke Energy Indiana
- Duke Energy International
- Duke Energy Kentucky
- Duke Energy Ohio
- Duke Energy Progress
- Duke Energy Renewables
- Duke Energy Retail

## **East Kentucky Power Cooperative**

## **El Paso Electric Co.**

## **Electric Power Research Institute (EPRI)**



# AEIC Member Companies & Subsidiaries *(continued)*

## **ENMAX**

- ENMAX Power
- ENMAX Energy
- Versant Power

## **Energy Inc.**

- Kansas City Power & Light Co.
- KCP&L Greater Missouri Operations Co.
- Westar Energy

## **Eversource**

## **Exelon Corp.**

- Baltimore Gas & Electric Co.
- Commonwealth Edison Co.
- Exelon Generation
  - Constellation New Energy
- PECO Energy Co.
- Pepco Holdings, Inc.
  - Atlantic City Electric Co.
  - Delmarva Power & Light Co.
  - Potomac Electric Power Co.

## **FirstEnergy Corp.**

- The Illuminating Co.
- Jersey Central Power & Light Co.
- Met-Ed
- Mon Power
- Ohio Edison Co.
- Penelec
- Penn Power
- Potomac Edison
- Toledo Edison Co.
- West Penn Power

## **Georgia Transmission Corp.**

## **Grand River Dam Authority**

## **Great River Energy**

## **Hawaiian Electric Industries Inc.**

- Hawaii Electric Light Co.
- Hawaiian Electric Co.
- Maui Electric Co.





# AEIC Member Companies & Subsidiaries *(continued)*

**Hydro One**

**Hydro-Québec**

**JEA**

**Long Island Power Authority**

**Los Angeles Department of Water and Power**

**LUMA Energy ServCo, LLC**

**Luminant**

**National Grid USA**

- Massachusetts Electric Co.
- Nantucket Electric Co.
- National Grid Generation, LLC
- New England Power Company
- Niagara Mohawk Power Corp.

**New York Power Authority**

**NextEra Energy, Inc.**

- Florida Power & Light Co.
- Gexa Energy LP
- Gulf Power Co.
- NextEra Energy Resources

**NiSource**

- Northern Indiana Public Service Co.

**North Carolina Electric Membership Corp.**

**NRG Energy**

**OGE Energy Corp.**

- Oklahoma Gas & Electric Co.



# AEIC Member Companies & Subsidiaries *(continued)*

**Oglethorpe Power Corp.**

**Omaha Public Power District**

**Oncor**

**Orlando Utilities Commission**

**Pacific Gas & Electric Co.**

**Pinnacle West Capital Corp.**

- Arizona Public Service Co.
- Bright Canyon Energy Corp.

**Portland General Electric Co.**

**PowerSouth Energy Cooperative**

**PPL Corp.**

- LG&E & KU Energy LLC
- Narragansett Electric Co.
- Rhode Island Energy
- PPL Electric Utilities

**Public Service Enterprise Group**

- PSE&G
- PSEG Long Island
- PSEG Power

**Puget Sound Energy**

**Rappahannock Electric Coop**

**Salt River Project**

**San Diego Gas & Electric Co.**



# AEIC Member Companies & Subsidiaries *(continued)*

## Santee Cooper

## Southern California Edison Co.

## Southern Company

- Alabama Power Co.
- Georgia Power Co.
- Mississippi Power Co.
- Southern Company Services
- Southern Nuclear Operating Co.
- Southern Power

## Tacoma Power

## Tampa Electric Company

## Tennessee Valley Authority

## Tri-State Generation and Transmission Assoc.

## WEC Energy Group

- Upper Michigan Energy Resources
- We Energies
  - Wisconsin Electric Power Co.
- Wisconsin Public Service

## Xcel Energy

- Northern States Power Co. – Minnesota and Wisconsin
- Public Service Company of Colorado
- Southwestern Public Service Co.





# Focus Areas - AEIC Committees

**AEIC's technical committees are leading the industry in creating the future grid**

At the heart of AEIC is our committee structure, which addresses operational opportunities and challenges associated with planning, building, and operating the electric grid.

- Cable Engineering
- Customer service
- Data Analytics
- Load Research & Analytics
- Meter & Service
- Power Apparatus
- Power Generation
- Power Delivery
  - Cost Optimization
  - Distributed Energy Resources
  - Human Resources
  - Project Management
  - Storm Team
  - Safety Benchmarking
  - Distribution System Operations



# Cable Engineering Committee

**Provides technical specifications and guides relating to the quality, physical design, testing requirements, operating conditions, and new developments of underground cables**

- Interfaces with major manufacturers of electrical cable to ensure the highest quality and economical use of the underground cables and accessories
- Publishes and distributes specifications and guides in the interest of promoting safe, economical and reliable power cable and accessories
- Members consist of managers, supervisors, engineers, and specialists

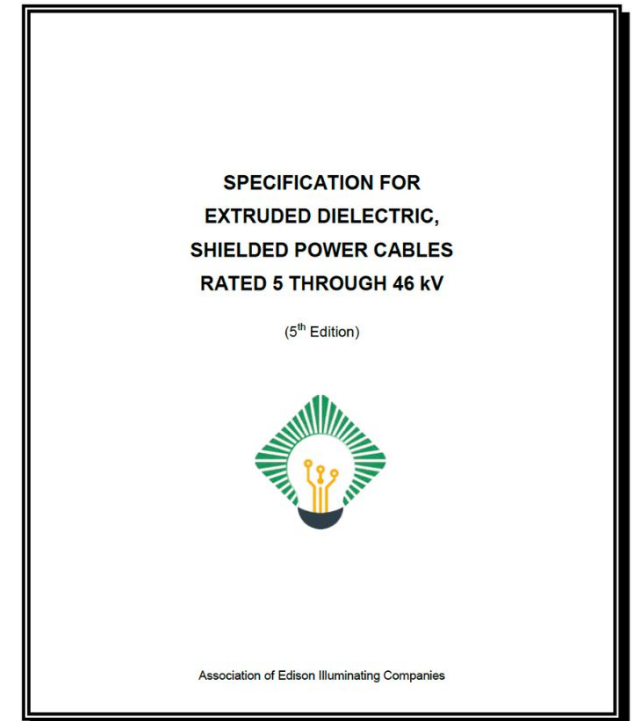
**Thomas Campbell, Chairperson**  
*Sr. Engineer, Distribution Engineering*  
*Consolidated Edison Company of NY, Inc.*

**Jared Jajack, 1st Vice Chair**  
*Transmission Line Engineer*  
*American Electric Power Co.*

**Ashley Eanes, 2nd Vice Chair**  
*Lead Engineer*  
*Duke Energy*

**Marvic Verzano, Treasurer**  
*Sr. Engineer, Electric Transmission Line*  
*Pacific Gas & Electric Co.*

**Najwa Abouhassan, Past Chair**  
*Key Manager of Distribution Standards*  
*ComEd*



# Customer Service Committee

**Identifies and explores key and emerging customer issues and functions, shares insights, and addresses customers' changing expectations of electric utilities**

- Publishes white papers on topics ranging from mutual aid for storms and call centers to working from home
- Maintains a broad focus on all types of customer engagement tools and principles
- Monitors customer policy, technology, and engagement trends
- Currently has 24 members consisting of senior vice presidents, vice presidents, managing directors, directors, managers, and chief customer officers



**Tina Koecher, Chairperson**  
*Manager, Customer Experience Operations*  
*Minnesota Power*

**Janette Espino, Vice Chair**  
*VP, Customer Service*  
*Orange and Rockland Utilities, Inc.*

**Chris Cardenas, Past Chair**  
*Senior Vice President, Customer*  
*Services & Experience*  
*Avangrid*





# Data Analytics Council

**Helps employees of AEIC member companies incorporate analytics into their daily work to enable more data-driven decision making**

- Recently published *Big Data & Advanced Analytics in Smart Grid Applications* whitepaper
- Maintains strong working partnerships with other industry associations including EPRI, IEEE PES, and UIIC
- Currently has 125 members consisting of vice presidents, directors, managers, supervisors, senior data analysts, and representatives from AEIC's other committees

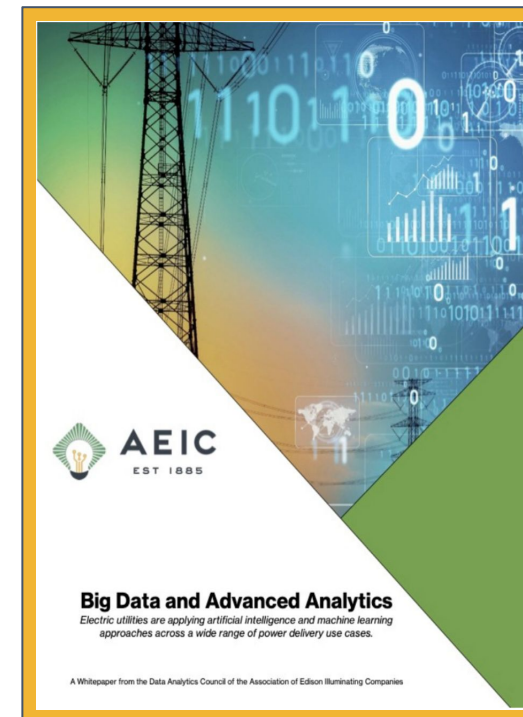
**Ankush Agarwal, Co-Chair**  
*Director, Technology, Innovation and R&D*  
*Exelon Corp.*

**Benjamin Spanswick, Co-Chair**  
*Director Data Science & Machine Learning*  
*PPL Corp.*

**Josh Power, First Vice Chair**  
*Capability Owner, Advance Analytics Automation & AI*  
*Oncor*

**Carrie Shuster, Second Vice Chair**  
*Leader Central Maintenance & Construction*  
*Florida Power & Light*

**Po-Chen, External Liaison**  
*Manager of Data Science, Infrastructure, and Safety*  
*Exelon*



# Electric Power Apparatus Committee

**Facilitates access to the highest-quality, most economical products that are consistent with electric utility needs**

- Breaks down silos between electric utilities and the manufacturers of major electric utility power apparatus
- Meets with organizations responsible for research, technical specifications, standards, and safety
- Currently has 44 members consisting of executive directors, directors, managers, supervisors, and specialists
- Liaison, Asset Management, and Membership subcommittees work to address key issues in greater detail

**Yvonne Essix, Chairperson**

*Power Delivery Shared Services General Manager  
Alabama Power Co.*

**Juan Castaneda, First Vice Chair**

*Principal Manager  
Southern California Edison Co.*

**Derrick Schlangen, 2nd Vice Chair**

*Great River Energy*

**Kim Hall, Secretary**

*Power Delivery Shared Services  
Alabama Power Co.*

**Jim Vespalec, Past Chair**

*Director, Asset Planning & Engineering  
American Transmission Co., LLC*



# Load Research & Analytics Committee

**Helps utilities carry out research to understand and leverage how customers use energy**

- The AEIC Load Research Manual defines the industry standard for conducting Load Research programs
- Develops and disseminates source materials on the conduct of Load Research and its appropriate application through annual reports, workshops, and seminars, as well as through bi-annual conferences
- Currently has 27 members consisting of executive directors, directors, managers, supervisors, and specialists

**Keith Kaysing, Chairperson**

*Demand Side Analytics – Analyst*

*CPS Energy*

**Leslie Willoughby, Second Vice Chair**

*Load Analysis Manager*

*San Diego Gas & Electric Co.*

**Touseef Mohammed, Secretary**

*Market Analytics Program Manager*

*CPS Energy*

**William Baker, Treasurer**

*Load Research Manager*

*Duke Energy*

**Aaron Dock, Past Chair**

*Load Research Manager*

*Salt River Project*





# Meter & Service Committee

**Provides direction for the industry by studying new technology in the electrical metering field and reporting the operating experience of electric metering equipment, systems, and service entrance conductors into customer facilities**

- Maintains representation on ANSI, EPRI, UL, and other industry committees to promote metering safety, standardization, and research
- Published whitepapers on smart meter systems and smart grid interoperability
- Currently has 55 members consisting of executive directors, directors, managers, supervisors, and specialists

**Ben Hancock, Chairperson**  
*Meter Engineering Manager*  
*Georgia Power Co.*

**Jonathan Pettit, Vice Chair**  
*Manager, System Metering*  
*Oncor*

**Robert Ardren, Past Chair**  
*Meter Department Supervisor*  
*Minnesota Power*



# Power Generation Committee

Promotes safety, technological, and operating advances in the power generation field by providing a forum for dialogue between suppliers and users to exchange industry needs, best practices, lessons learned, and technology developments

- Encompasses fossil, renewable, energy storage and large-scale distributed resources and its members represent approximately 60% of the electricity generated in the United States
- Meets with key suppliers to discuss support for current assets, emerging markets and technologies, and provide direct feedback
- Currently has 50 members consisting of chief executive officers, presidents, executive vice presidents, senior vice presidents, vice presidents, and generation executives

**Kevin DeGraw, Chairperson**

*VP, Corporate Operations Oversight  
Ameren*

**Kris Edmondson, First Vice Chair**

*VP, Coal Operations  
Tennessee Valley Authority*

**Michael Flanagan, Secretary**

*Project Manager  
Ameren*

**Jim Heilbron, Past Chair**

*SVP & SPO  
Alabama Power Co.*



# Power Delivery Committee

Provides a forum to explore changes to improve every step of the delivery of electric power, from the generating station to the customer

- Members of the committee identify and assess technological, economic, and operational issues that will impact the planning, design, construction, maintenance, and management of electric utility power delivery systems
- Currently has 51 members consisting of presidents, chief operating officers, executive vice presidents, senior vice presidents, vice presidents, directors, general managers, and managers



**Patrick Smith, Chairperson**  
*SVP, Operations & Technical Services*  
*Ameren Illinois*

**Scott Moore, First Vice Chair**  
*SVP, Power Delivery*  
*Alabama Power*

**Michael Jarro, Second Vice Chair**  
*VP, Distribution Operations*  
*Florida Power & Light Company*

**Tony Tewelis, Third Vice Chair**  
*VP, Transmission & Distribution Operations*  
*Arizona Public Service*

**Greg Ferree, Past Chair**  
*Retired*  
*Southern California Edison Co.*





# Cost Optimization Subcommittee

Collaborates, shares, and benchmarks cost-saving initiatives being considered by member companies with the goal of reducing cost in operations, maintenance, and capital, while maintaining safety, reliability, and meeting customer expectations

- Efficiency and cost reduction opportunity areas (i.e. - process improvements)
- Technology and innovation (new technologies, digitization, and automation)
- Data visualization and advanced analytics
- Currently has 31 members consisting of senior leaders, supervisors, managers, directors, and vice presidents.

**Russell Hinton, Co-Chairperson**  
*Director, Envision Tomorrow*  
*Dominion Energy*

**Joseph Somma, Co-Chair**  
*General Manager*  
*Con Edison*

**Rachel Burgess, Executive, Committee Admin**  
*Dominion Energy*

**Jacqueline Pelaez, Executive Committee Admin**  
*Project Manager*  
*Con Edison.*

ASSOCIATION OF EDISON ILLUMINATING COMPANIES THIS MONTH

## AEIC Members Share Cost Optimization Approaches

Innovating the Grid Transformation

BY CONSOLIDATED EDISON'S JOSEPH SOMMA AND DOMINION ENERGY'S RUSSELL HINTON

Electric utilities in the U.S. are continuously focused on improving efficiencies in operations, maintenance, and capital projects, while simultaneously maintaining safety, reliability, and meeting customer expectations. It is an integral part of everyday business and essential to industrywide efforts to achieve grid transformation.

The mission of AEIC's Power Delivery Cost Optimization Subcommittee is to bring utilities together to collaborate, share, and benchmark these efforts to reduce cost and maximize business value.

The Subcommittee holds regular quarterly meetings that address a wide range of topics, including using technology to improve business practices, data visualization and analytics projects, asset management and condition based maintenance, and increasing operational efficiency.

At a recent meeting, subcommittee participants presented several cost optimization initiatives developed by AEIC member companies that are delivering measurable business results and provide meaningful benefits to both employees and customers.

As an example of the types of projects the subcommittee explores, Consolidated Edison has developed an auto-scheduler application that integrates key data into a single platform by leveraging technology and the knowledge of seasoned employees to develop business logic for planning and decision making.

This tool integrates key data into a digestible format and presents all relevant data on one screen. The result minimizes false starts to improve productivity and cost efficiency, improves work closure by identifying gaps in existing business processes, accelerates learning, and reduces human performance improvement error traps.

Consolidated Edison has also developed a change-of-schedule application that simplifies the task of issuing and tracking schedule changes. This application provides supervisors with contract logic behind choices made, logs change of schedules into an easy-to-search database and reduces time-charge errors.

Dominion Energy launched a net metering chatbot last year that utilizes machine learning to more efficiently provide information to its customers.

This chatbot enhances the customer experience by helping them easily find answers to their net metering questions. Using Microsoft Power Virtual Agents, the platform provides analytics and chat transcripts that indicate where Dominion needs to tweak trigger phrases and answers as well as add new questions. Each conversation makes the next one better. Using signals from responses coming from the "Did you mean?" questions, the chatbot learns automatically, removing the need to clarify the same question over again.

Dominion Energy has also developed a voltage drop calculator that allows users to analyze advanced metering infrastructure data out in the field to calculate voltage drop based on actual customer demand. This tool reduces trips to the site for calculations, increases efficiency, and saves time.

Con Edison developed an auto-scheduler application that integrates key data into a single platform by leveraging technology and knowledge of seasoned employees to develop business logic for planning and decision making. Dominion Energy launched a net metering chatbot that utilizes machine learning to more efficiently provide information to customers.

Joseph Somma, General Manager of Electric Operations at Consolidated Edison and Russell Hinton, Director of Envision Tomorrow at Dominion Energy, are Co-Chairs of AEIC's Cost Optimization Subcommittee.

90 PUBLIC UTILITIES FORTUNE May 2023

(Cont. on page 93)





# Distributed Energy Resources Subcommittee

**Discusses technical and operational challenges, best practices, and solutions related to integrating DERs of all sizes, ranging from small residential, commercial/industrial, modest-sized community installations, and utility-scale resources**

- Open forum to identify both operational and technical best practices and challenges
- Topics include interconnection standards/processes, electric transportation, energy storage, maximizing the value of DER, inverters and power electronics, DER Management Systems (DERMS), microgrids, and grid services
- Currently has 62 members consisting of vice presidents, directors, managers, supervisors, senior data analysts, and representatives from AEIC's other committees



## **Francis Frank, Co-Chairperson**

*Director, Grid Modernization  
Pennsylvania Power & Light*

## **Jasdeep Singh, Co-Chairperson**

*Director, IT Program & Project Delivery  
Arizona Public Service*

## **Mark Esguerra, Past Chair**

*Director, Distribution System Planning and Strategy  
Southern California Edison Co.*

## **Elizabeth Cook, Past Chair**

*VP, Technical Strategy  
AEIC*



# Human Resources Subcommittee

**Focuses on human resource issues of power delivery organizations, including trends, legal updates, benchmarking, and best practices**

- Assists with expanding the human resources functions with AEIC members companies
- Shares HR and Labor Relations best practices among members on a wide range of topics including: Labor Negotiations, Hybrid Work, Lineman Pay, Storm Pay, Callouts
- Currently has 40 members consisting of vice presidents, directors, managers, and labor consultants



**Tammy Mason, Chairperson**  
*Labor Relations Manager*  
*Associated Electric Cooperative, Inc.*

**Rita Zindars, Past Chair**  
*Director, Labor Relations*  
*Ameren*

**Molly Peters, Past Chair**  
*Director, Workforce Planning & Development*  
*Public Strategies*



# Storm Team

**Provides a forum for power delivery professionals to exchange ideas and information on previous severe storm restoration events**

- Develops a series of best practices and tools in the areas of storm restoration and system hardening, including storm best practices, pre-storm checklists, storm restoration best practices, and storm center practices
- Developed and launched the Mutual Assistance Resource Coordination (MARC) software tool that promotes the use of a common roster and allows electronic delivery of work packets, increasing efficiency in restoration
- Currently has 80 members consisting of senior vice presidents, vice presidents, directors, managers, superintendents, managing supervisors, and senior emergency planners

**Keith Hull, Co-Chairperson**  
*VP, Distribution Operations*  
*Oncor*

**Scott Moore, Co-Chairperson**  
*SVP, Power Delivery*  
*Alabama Power*

**Michael Jarro**  
*VP, Distribution Operations*  
*Florida Power & Light*





# Project Management Subcommittee

**Provides a forum for electric utility-focused professionals to collaborate on best practices related to the project management discipline**

- Members openly share successes and challenges related to the use of project management tools, organizational challenges, training, estimating, team dynamics, and management support in the utility industry
- Currently has 267 members consisting of managing directors, directors, senior project managers, executive directors, and project administrators

**Eric Kopier, Chairperson**  
*Project Controls Manager*  
*Xcel Energy*

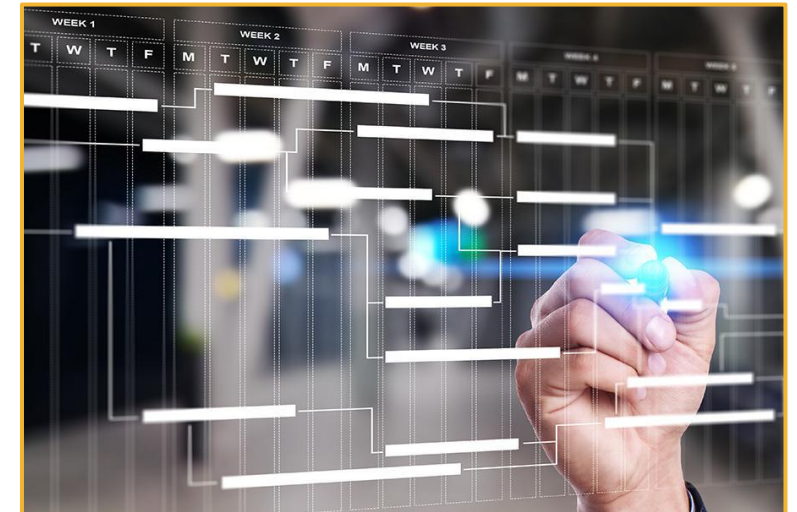
**W. Blake Chalson, First Vice Chair**  
*Senior Manager, Project Management*  
*Southern California Edison*

**Teresa-Thao Tran, Treasurer**  
*Manager, Capital Projects*  
*DTE Energy*

**Alicia Demarco, Secretary**  
*Project Manager*  
*Con Edison*

**Kelly Blindauer, Member Outreach**  
*Supervisor of Operations Budget & Analytics*  
*Minnesota Power*

**Kathy Hidalgo, Past Chairperson**  
*Director, Inspections*  
*Southern California Edison Co.*





# Safety Benchmarking Subcommittee

An operational benchmarking forum for members across electric sector organizations to share best practices and gather insights on work methods, procedures, training, tools and technology, and culture-based activities that aim to mitigate and reduce occupational health and safety (OHS) risks

- Invites and includes safety experts, utility subject matter experts, and experts from other industries or vendors as deemed necessary to enhance learning and information-sharing among members
- Provide an open forum to share diverse ideas, operating experiences and significant safety incident information, use cases, best practices, and education for the benefit of member companies
- Comprised of Director-level executives from operations functions within AEIC member companies



**Paul Grigaux, Chairperson**  
*VP - T&D, Distribution*  
*Southern California Edison Co.*



# Distribution System Operations Subcommittee

**Focused on technical and operational challenges, best practices, and solutions to address contemporary challenges and future opportunities relating to the operations of modern distribution equipment, their control and management systems, and supporting OT and IT infrastructure**

- Determines a common definition of priority topics and challenges to facilitate investigations and discussions
- Identifies both the operational and technical impacts, best practices, architecture, processes, and solutions associated with each priority topic
- Documents, evaluates, and compares conceptual approaches to address challenges and implementation objectives
- Members include senior leaders and managers of distribution systems at electric utilities





# Mutual Assistance Resource Coordination (MARC)

**AEIC's MARC software tool was developed to improve planning, coordination, and restoration activities across utilities in response to power outages caused by extreme weather and environmental conditions**

- Developed to simplify resource management, distribute remote work packet assignments (reducing risk of COVID transmission as compared to printed and manually distributed assignments), and can be accessed from any device
- Promotes the use of a common roster and allows electronic delivery of work packets, increasing efficiency in restoration
- The industry greatly benefits from this tool due to its ability to potentially reduce Estimated Time of Restoration (ETR) by assigning responding companies directly to the needed restoration location, its ability to create repeatable processes, and cost savings generated by efficient roster management





# CENTER FOR OPERATIONAL EXCELLENCE

## **Mission:**

- To provide the electricity industry with authoritative information as a basis for decision-making on local, state, and federal infrastructure investments

## **Approach:**

- Engage member utilities and industry stakeholders in collaborative efforts that advance the industry's collective knowledge
- Facilitate projects that address critical issues (e.g. – decarbonization, supply chain, grid storage, electrification).
- Published results online so all industry stakeholders have access to trusted, actionable information

## **Goal:**

- Achieve operational excellence in all aspects of grid operations.







# CENTER FOR OPERATIONAL EXCELLENCE

## How We're Different



### Commitment

Barriers such as funding and staffing can make it challenging for projects to get off the ground. That's why the Ops Center is committed to supporting projects at every step, whether it's by assisting with idea development, pursuing matching funds, or recruiting participants.



### Connections

AEIC is renowned for being the only place for electric utility operations leaders to come together to share knowledge, collaborate, and provide guidance to the industry. The Ops Center not only offers an opportunity for AEIC members to deepen their existing connections with one another, but develop new ones by involving non-member companies and industry stakeholders in projects.



### Credibility

AEIC's membership consists of leading operations experts from more than 185 public and private electric utilities and organizations. The work developed by AEIC and its member companies is recognized as the industry standard.

# Opportunities for Member Engagement

## AEIC provides a forum for members to share their knowledge and experience

- Join a Committee and attend virtual and in-person meetings
- Attend AEIC's Annual Meeting
- Submit a project for an AEIC's Annual Achievement Award
- Highlight company achievements through AEIC's Member Spotlight Speaker series
- Attend AEIC's free monthly webinar series with DOE
- Author an article for AEIC's monthly feature in Public Utilities Fortnightly
- Propose a project for AEIC's Center for Operational Excellence
- Engage with your peers and stay up-to-date through AEIC's member portal





# AEIC's 139th Annual Meeting

October 24-26, 2023

JW Marriott Savannah Plant Riverside District  
Savannah, Georgia

*A Legacy of Leadership*



**AEIC's Annual Meeting is the one place where you can join your peers to collaborate, network, and share ideas about how we can lead our industry forward**

- General Sessions with expert panel discussions on key industry issues
- Business Breakfasts & Luncheons with informative content
- Special pre-conference sessions for AEIC Board Members and Committee Leaders
- AEIC Annual Achievement Awards reception and dinner
- Plenty of scheduled time for peer-to-peer networking opportunities



# AEIC Annual Achievement Awards

**AEIC's Achievement Awards is one of the industry's most prestigious recognition programs for innovation and excellence in all aspects of electric utility operations**

- Only a select few projects are awarded from more than 70 annual submissions
- Award winners are highlighted on stage during the closing general session and recognized at a special reception and dinner at AEIC's Annual Meeting
- Each winning project receives a press release and is featured in Public Utilities Fortnightly and through AEIC's website and social media channels
- Winners also receive trophies and banners to display at their offices





# Member Spotlight Series

AEIC hosts monthly Member Spotlight presentations to provide valuable insights and updates on various aspects of energy policy, innovation, and sustainability

- Participants have the opportunity to learn from experts in the field, gain a deeper understanding of current energy initiatives, and explore the future direction of clean and sustainable energy practices
- These virtual presentations often feature prominent figures within the energy sector and aim to inform and engage stakeholders in shaping a more sustainable and efficient energy landscape
- Webinars are open to all employees of AEIC member companies

**Orange & Rockland Utilities (ORU) Overview**

We're committed to powering our region safely, reliably, affordably and with 100% clean energy by 2040.

- Established in 1899
- 1,300 square miles served
- Serve 6 counties across New York & New Jersey
  - 309k Electric Accounts
  - 140k Gas Accounts
- Wholly owned subsidiary of Consolidated Edison

**Core Principles**

- Safety
- Operational Excellence
- Customer Service

Legend: OAR Electric Gas and Electric; RECO Electric

Orange & Rockland

**DUKE ENERGY**

**Grid Readiness: Key Messages**

- Our vision for Transportation Electrification is to **simplify adoption** through innovative customer programs while **proactively readying the grid**.
- We are **committed to grid readiness** as transportation electrification expands across our service territories. We are taking action now to mature our planning process and design standards, plus managed charging options to build prudent investment at pace with forecasts.
- The distribution grid is **on track to achieve 40% green enabled** with functionalities around reliability, automation, capacity and voltage regulation.
- We have completed our **first evolution of fleet investment planning** through a cluster study analysis.
- **Managed charging is a key component** to readying the grid as we shift customer usage to charging windows aligned with TOU rate structure. Pilots and partnerships with OEMs are underway to gain customer experience and build operational knowledge.

Privileged and Confidential/Attorney-Client Communication. Attorney Work Product - Prepared at the direction of counsel in anticipation of litigation.



# Department of Energy (DOE) Monthly Webinar

AEIC hosts a monthly webinar series with the U.S. Department of Energy where senior leaders discuss key developments, challenges, and achievements in the ever-evolving energy landscape

- Participants receive a unique opportunity to hear first-hand from leaders at the U.S. Department of Energy regarding federal policy, regulation, and funding opportunities
- Webinars are open to all employees of AEIC member companies

U.S. DEPARTMENT OF ENERGY | OFFICE OF ELECTRICITY

## DOE Speaker Series AEIC

Presented by:  
**Dr. Emeka Obikwelu, PE, PMP**

September 15, 2023

Obikwelu, Chikwike  
Steve Hauer

AH  
Alec...  
L  
Lida...  
MW  
Micha...

AEIC  
AEC  
KS  
Singh...  
+23

## + Energy Storage

- + Energy Storage Grand Challenge
  - + Energy Storage Grand Challenge Summit, July 25-27 in Atlanta
    - We'll announce 2 FOAs for exciting energy storage innovations!
- + ROVI: Rapid Operational Validation Initiative
- + Long Duration Energy EarthShot
- + Grid Storage Launchpad
- + Energy Storage Innovations-S1 2030

Battery energy storage units (iStock image)

U.S. DEPARTMENT OF ENERGY | OFFICE OF ELECTRICITY

Rodriguez, Gene


AEIC  
Alec...  
MM  
Mull...  
AR  
Alan...  
JB  
Jame...  
K  
KGo...  
SD  
Scott...

KO  
Oise...  
KL  
Look...  
SH  
Stev...  
JG  
Cara...  
KM  
Mars...  
+24



# Public Utilities Fortnightly Monthly Column


Our monthly PUF articles highlight key industry issues and the innovative approaches AEIC member companies are undertaking to achieve a more modern, sustainable grid for all stakeholders



**PUBLIC UTILITIES  
FORTNIGHTLY**  
The Sustainable Resilient Affordable Grid

## EV Impacts on the Grid and Consumers

**AEIC Members Share Knowledge**  
*Steve Hauser*  
*Fortnightly Magazine - July 2023*




According to statistics from the International Energy Agency (IEA), from 2011-2021, the number of Electric Vehicles (EVs) on the road in the U.S. increased from a mere twenty-two thousand to more than two million. While this represents less than five percent of the vehicle market today, studies predict that EVs could account for as much as forty to fifty percent of new car sales by 2030. Even using conservative estimates, this level of growth is significant and will create challenges for energy producers, grid operators, and consumers.

The pace and magnitude of investments required for EV growth in the near future and overall energy transition in the next decade are substantial. AEIC members throughout North America are responding to these challenges by leveraging government funding and incentives for upgrading the grid to meet the projected future demand for electricity to power EVs and to build out the vehicle charging network. These efforts are also supported by robust consumer education and engagement campaigns.

### Hawaiian Electric

Hawaiian Electric has developed an Electrification of Transportation (EoT) Strategic Roadmap based on the foundation that renewable energy growth and electrification of transportation are complementary and the belief that greater clean energy impacts and customer value can be created by achieving both in tandem.

EoT will integrate with and support programs that facilitate integration of renewable energy, enable greater customer engagement and empowerment as prosumers of energy, and enhance grid efficiency and reliability by leveraging the flexibility of electrified vehicles. To support these objectives and provide customer value, Hawaiian Electric's EoT plans will align with and leverage the company's existing planning processes and programs.



**PUBLIC UTILITIES  
FORTNIGHTLY**  
The Sustainable Resilient Affordable Grid

NEW BOOK **HEROES of the STORMS** INSPIRED BY FORTNIGHTLY


HOME ABOUT US PUF MEMBERS CURRENT & PRIOR ISSUES PODCASTS VIDEOS WRITE PAPERS

## Collaboration Key to Power Generation Advancements

### A Forum for Dialogue


*Skip Cofield*

As the electric power generation landscape evolves, the need for continuous, open dialogue and collaboration among utilities, and between suppliers and utilities, is essential. This is even more critical amid a global pandemic presenting a wide range of potential scenarios that could have significantly disrupted power generation operations throughout the country.



Fortunately, there is one place where senior power generation leaders come together to discuss industry needs, best practices, lessons learned, and new technology developments. The Association of Edison Illuminating Companies (AEIC) Power Generation Committee actively promotes safety, technological, and operational advances in power generation by providing a forum for dialogue between suppliers and utilities.

The committee's members represent approximately sixty percent of the electricity generated in the United States, encompassing fossil, renewable, energy storage, and large-scale distributed resources. AEIC member company representatives serving on the committee are typically chief executive officers, presidents, senior vice presidents, and generation executives.




**PUBLIC UTILITIES  
FORTNIGHTLY**  
The Sustainable Resilient Affordable Grid

## Community Engagement Powers JEA

### Electric IRP Benefits from Customer & Stakeholder Input

*Raynetta Curry Marshall*  
*Fortnightly Magazine - September 2023*



JEA has been serving customers in and around Jacksonville, Fla., for more than a hundred and twenty-five years, working to improve lives and build community. With humble beginnings as a small department within city government, we've grown to become the largest public utility in the state, reaching more than one million residents with electric and water services.

Because we are owned by the city, our customers are at the heart of all we do at JEA. It seemed only natural that, as we began the process of examining our future energy needs for the next thirty years, our community members would be a part of the process to develop our electric Integrated Resource Plan (IRP).





# *The Grid Mod Pod Podcast*

*The Grid Mod Pod is where you'll hear from the utility industry's top operations leaders on how their companies are working to modernize and improve our ever-evolving power grid*

Host Elizabeth Cook, Director of Advanced Grid Systems + Grid Modernization at Duquesne Light Company, and Chair of AEIC's DER Subcommittee, sits down with industry experts to lead conversations that challenge the way we think about the power grid.





# ***THE CURRENT***

Fall 2023

*The Current* is a quarterly newsletter published by AEIC for members and industry leaders

## Each issue includes:

- CEO update on key initiatives
- Highlights of committee activities and resources
- Member spotlights and profiles
- Calendar of upcoming events
- Recap of AEIC's latest webinars, podcasts, and articles





# Not a Member? Join Today!

If you are a public or private electric utility across the U.S. or Canada and you are not already a member of AEIC, then we invite you to join us today. The investment is small and the benefits are huge



- Unique value
- Legacy of industry leadership
- Peer-to-peer collaboration and professional development
- Access to technical expertise and resources
- Respected and trusted





# Connect with Us

**Website:** [www.aeic.org](http://www.aeic.org)

**Linkedin:** [linkedin.com/company/aeicnews](https://www.linkedin.com/company/aeicnews)

**Twitter:** [@AEICnews](https://twitter.com/AEICnews)

***All Things DER* podcast (YouTube):** [@aeicnews](https://www.youtube.com/@aeicnews)

**General email inquiries:** [info@aeic.org](mailto:info@aeic.org)



**Thank You**

**Questions?**



***“This is, hands down, the elite operating organization in the industry.”***

*- Jim Greer, EVP & COO, Oncor*





***“The strength of AEIC is the opportunity it provides to engage with your peers and collaborate on what really impacts your ability to be successful.”***

*- Jacob Tetlow, EVP, Operations, Arizona Public Service Co.*



***“The companies that aren’t here are missing out on a lot of shared knowledge and a lot of collaboration that they could be gaining benefits from if they were an active participant.”***

*- Heather Rivard, SVP, Transmission & Distribution, Southern California Edison Co.*





***"Member companies send their best people to work on AEIC's committees."***

*-Andrea Dennis VP, T&D Operations Oklahoma Gas & Electric, Co.*





***“Today, collaboration is more needed and more valuable than ever before. AEIC provides a great forum for making that collaboration possible.”***

*- Heather Rivard, SVP, Transmission & Distribution, Southern California Edison Co.*



***“We are the association of utilities, for utilities.”***

*- Terry Donnelly, President & COO, Commonwealth Edison Co.*

