People are Talking...
AEIC

Join the Conversation
WHY TALK?

• Collaboration needed to stay ahead of the curve
• Rapidly emerging technologies
• New industry players
• Changing landscape
WHY TALK?

And that’s where AEIC provides opportunity.
What is AEIC:
WHAT IS AEIC?

- The Association of Edison Illuminating Companies
- Established in 1885 by Thomas Edison and his associates
- To share views, experiences and best practices to make the knowledge of one the knowledge of all
WHAT IS AEIC?

• The premier operations-focused trade association
• Electric utilities, generating companies, transmitting companies and distributing companies
• Facilitated by members, through a committee structure
• Addresses operational opportunities and challenges of electric energy systems

THE Platform for Operations People to Talk
AEIC OPERATIONS PEOPLE ARE TALKING...

COMMITTEES:
- Power Delivery
- Power Generation
- Electric Power Apparatus
- Customer Service
- Cable Engineering
- Load Research & Analytics
- Meter & Service

MAJOR SUBCOMMITTEES:
- Power Delivery Distributed Energy Resources
- Power Delivery Human Resources
- Power Delivery Project Team
- Power Delivery Storm Team
- Cost Optimization Subcommittee

RESOURCE COUNCIL:
- Data Analytics Council
How are they talking?

**Face to Face:**
- Committee & subcommittee meetings
- One-on-one
- Annual meeting

**Telephone:**
- Committee meetings
- Conference calls

**Online:**
- Dedicated web pages
- Member queries
- Email
- Webex

**Publications:**
- White papers
- Standards manuals
JUST WHAT ARE THEY SAYING?

“There is a circle of trust when you attend committee meetings. I learn a lot and always take several ideas back to my company.”

— Power Delivery Committee member

“The committee structure provides a forum for us to share potential safety and reliability issues as well as the effective operation of generating plants.”

— Generation Committee member
AEIC member companies are collaborating on the Smart Grid, distributed energy resources, energy storage, microgrids and customer service, etc.

The AEIC Storm Team has streamlined the mutual aid process by developing a range of guidance and best practices on restoring service to the T&D system after a weather event.
AND SETTING STANDARDS AND GUIDELINES...

AEIC’s Cable Engineering Specifications and Guides
Used by architects, engineers and contractors; sold and distributed worldwide.

AEIC’s Load Research Manual
“THE” authoritative industry source for applying load research and analytics data to meet regulatory guidelines and as tools for rate-making and other uses.

Interoperability Standard Guidelines for Metering

Data Analytics Use Cases
“After learning about a cracked turbine issue at another company during a Generation Committee meeting, I came back and directed an inspection of all our turbines that came from that manufacturer.”

— Ted McCullough, VP, Hydro & Fleet Performance, Southern Co.

Working with manufacturers, Florida Power & Light has developed an engineered solution, the *Load Alert System*, for bucket trucks to automate complex boom-loading calculations.

- The system warns operators of approaching boom overloads, which helps eliminate human error and prevent accidents.
- The system also notifies safety and fleet managers if an overload occurs, providing an opportunity to correct operator work behaviors.
AND SERVING CUSTOMERS...

• During Hurricane Irma, PG&E was able to seamlessly augment FP&L’s Customer Call Center, providing improved customer service and supplementing FP&L’s workforce. Mutual aid capability for call centers is now expanding among other AEIC member companies.

• Southern Company’s Energy Assistance Portal provides customers with account information and enables them to make payments and to contribute to governmental agency and charitable energy assistance efforts.
AND IMPROVING THE BOTTOM LINE...

Customers, regulators and investors/owners want:

- Safe, reliable power
- Low prices
- Excellent customer service

AEIC’s committee work has a direct, positive impact on all these stakeholder needs.
BUT AEIC IS ALSO ABOUT RELATIONSHIPS...

“Being a member of an AEIC Committee has been wonderfully beneficial to my career. Participation in the Load Research & Analytics Committee has enabled me to build a network of load research professionals from all across the country.”

— Nathan Mathis, Sr. Program Manager, CES Analytics, Pricing and Contracts, TVA
“One common issue we run into in the power delivery group is how to promote union members to move into leadership positions – how to get craft workers to want to be in leadership. Frankly, no other forum enables you to sit at a table with 40 of your peers and just get down to the brass tacks – what’s working for you and what’s not.”

-- Jacob Tetlow, VP, Hydro & Fleet Performance, Arizona Public Service Co.
AND PEOPLE DEVELOPMENT...

“Compared to (sending them to) one or two conferences a year, if I can get a number of employees engaged with leaders around the industry, it’s a fantastic way to build talent/relationships, teach skills and grow confidence.”

– Al Rudeck, President, Allete Clean Energy

“Membership in AEIC has provided me with the opportunity to lead a committee of a nationally recognized trade organization, and I’ve also had the privilege to speak with and present to the top leaders of our industry on several occasions.”

– AEIC Committee Past Chairman
The Power Generation Committee brings in major equipment suppliers to give them candid feedback on their equipment, processes, and customer service.

After Hurricane Sandy, AEIC members compiled 17 best practices for major disaster planning, with an incredible national response.
ComEd in Chicago has deployed its new Bronzeville microgrid, one of the first “utility-scale” microgrids that keeps electricity on within its boundaries – even during widespread outages.

Xcel Energy is collaborating with the FAA to facilitate the use of drones to support the safe and reliable operation of the energy grid.

The Power Delivery Storm Team has developed best practices for unmanned aircraft systems (drones) emergency response.
MORE INNOVATIONS SHARED:

• **PPL** has developed a system that not only accurately detects the fault from a downed power line, but also acts quickly to disconnect power to that line. This system may be the first of its kind.

• **Southern California Edison** has developed a machine-learning algorithm to detect energized wires down in the field, de-energize the circuit, and immediately dispatch crews.
AEIC’S DUES ARE MINIMAL

- AEIC Membership is based on a company’s annual revenues. No member company paid more than $20,175 in 2020, and most companies paid substantially less.

- A holding company’s membership qualifies all subsidiary companies for full AEIC membership status.
“One of my favorite aspects of AEIC membership is that I essentially have 24/7 access to a group of my peers. Members of the storm committee, for example, probably receive at least one email a week asking for feedback on a certain topic, and they get valuable insights from fellow industry experts within a matter of minutes.”

— Keith Hull, VP, Distribution, Oncor
MAKING THE KNOWLEDGE OF ONE, THE KNOWLEDGE OF ALL.