

Plug in to new ideas and best practices
Amp up on the connections



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April 19 - 22
2020

THE ACADEMY

Engineering & Operations Conference

Kansas City, Missouri

AMERICAN
PUBLIC POWER
ASSOCIATION
80 Years of Powering Strong Communities



I would absolutely recommend this conference to others in my field. It offers **great networking and return on investment** in a small window. When you can attract this many professionals in the same field, the overall gain is incredible.

TRAVIS HINSHAW

Environmental Compliance
Grand River Dam Authority, Oklahoma

LEARN, NETWORK, AND POWER UP

Join more than 450 public power professionals at the American Public Power Association's **Engineering & Operations Conference**. Get up to speed on the best and the latest in your field.

Network with industry leaders and experts to share experiences and strategies. Discover how to improve systems, processes, and outcomes in:

- Communications & Control
- Environmental Issues
- Generation & Fuels
- Safety
- Supply Management
- System Planning
- Transmission & Distribution

PLUG IN

Visit www.PublicPower.org/EandO
for event updates and to register.

CONFERENCE

Mentor Program

Need help navigating the conference as a first-timer? Want someone to exchange notes with because you're the only one from your organization attending? Eager to share your knowledge and experience as a long-time conference attendee?

The conference mentor program pairs up new attendees with those who've been attending for many years. You'll meet at the Welcome Reception and stay in touch throughout the conference.

Ask for a mentor or volunteer to serve as one — check the box when you register, email EducationInfo@PublicPower.org, or call 202-467-2965 by April 10 to participate.

POWER UP

For event updates
and to register, visit
[www.PublicPower.org/
EandO](http://www.PublicPower.org/EandO)

Cover photo courtesy of Grand River Dam Authority.

THANK YOU

Conference Co-Host



THANK YOU TO OUR Sponsors

As of January 1, 2020

Learn more and
review sponsorship
opportunities at
www.PublicPower.org/EandO.

DIAMOND SPONSORS



GOLD SPONSORS





The American Public Power Association is the voice of not-for-profit, community-owned utilities that power 2,000 towns and cities nationwide. We represent public power before the federal government to protect the interests of the more than 49 million people that public power utilities serve, and the 93,000 people they employ. Our association advocates and advises on electricity policy, technology, trends, training, and operations. Our members strengthen their communities by providing superior service, engaging citizens, and instilling pride in community-owned power.

THE ACADEMY

AMERICAN PUBLIC
POWER ASSOCIATION

The Academy is public power's complete resource for professional education and certification, helping electric industry employees stay abreast of rapidly evolving technologies, regulation, and customer needs. Learn more about our conferences, webinars, special events, continuing education, and custom in-house trainings at www.PublicPower.org/Academy.






I made a lot of great new connections. It was refreshing to know there are people doing the same job I am all over the country.

LUCAS CAINE

Senior Utility Engineer
Oconomowoc Utilities, Wisconsin

2020 E&O CONFERENCE
Breakout Sessions at a Glance

Monday, April 20		
	8:30 - 10 a.m.	10:30 a.m. – Noon
<div></div> <div>All Tracks</div>	Opening General Session: Association Board Chair Address Association CEO Address: Public Power in 2020 and Beyond	
<div></div> <div>Environmental</div>		Environmental Regulations: A Federal Update
<div></div> <div>Generation & Fuels</div>		
<div></div> <div>Communications & Control</div>		Smart Utilities for a Smart Future <i>(joint with T&D/SP)</i>
<div></div> <div>Safety</div>		Make Your Performance Evaluations Matter
<div></div> <div>Supply Management</div>		Supply Management Opening Roundtable
<div></div> <div>Transmission & Distribution</div>		Smart Utilities for a Smart Future <i>(joint with C&C)</i>
<div></div> <div>System Planning</div>		
Tuesday, April 21		
	8:30 – 9:45 a.m.	10:45 a.m. – Noon
<div></div> <div>All Tracks</div>		
<div></div> <div>Environmental</div>	Store Up on New Ideas in Battery Storage <i>(joint session)</i>	Reducing Emissions: How Utilities Can Lead the Way
<div></div> <div>Generation & Fuels</div>		
<div></div> <div>Communications & Control</div>		Securing the Supply Chain: Risks and Best Practices <i>(joint session with SM)</i>
<div></div> <div>Safety</div>	Not Just Another Day: Inspiring Safety	Towing Utility Trailers: A Safety Checklist
<div></div> <div>Supply Management</div>	Building a Strong Foundation for Construction Procurement	Securing the Supply Chain: Risks and Best Practices <i>(joint session with C&C)</i>
<div></div> <div>Transmission & Distribution</div>	Drones: Buzzing with Possibilities, and Threats	Managing the System Impact of Distributed Energy Resources
<div></div> <div>System Planning</div>		
Wednesday, April 22		
	8:30 – 10 a.m.	
	Communications & Control Roundtable Environmental Issues Roundtable Safety Roundtable Supply Management Roundtable T&D/System Planning Roundtable	

Visit www.PublicPower.org/EandO for updates and to register.

1:30 – 3 p.m.		3:15 – 4:30 p.m.	4:30 – 6 p.m.
			Expo Opening Reception
Navigating the Complexities of Electricity Markets	Natural Gas Supply: Managing the Risks		
More than a Map: GIS for Digital Transformation	Feeder Automation: Whose Line Is It Anyway?		
Old School: The Importance of Safety Fundamentals	Virtual Training for a Real-World Experience		
Prepare Now: System Hardening, Planning, and Materials Management Tips <i>(joint session)</i>	How Does Your Warehouse Stack Up?		
	Terminal Condition: A Power Quality Case Study		
1:30 – 2:45 p.m.		3 – 4:15 p.m.	4:30 – 5:30 p.m.
	Joint Action Agency/State and Regional Association Roundtable		Reliability Power Hour
Coal Plant Decommissioning: How to Avoid a Debacle	Nearman Creek Power Station: 316(b) Compliance Tour		
To Broadband or Not to Broadband	Working Safely Around 5G Pole Attachments <i>(joint session)</i>		
Find and Fix: Identifying and Fixing Safety Issues Without Delay			
Warehouse Site Visit			
Building Resiliency: What Does it Mean for You?	Drinking Out of the Data Firehose		
10:30 a.m. - Noon			
Closing General Session:			
"Find a Way:" Fighting to Live Your Dream <i>(Merril Hoge)</i>			

CONFERENCE AGENDA

Sunday April 19

8 a.m. – 6:30 p.m.

8:30 a.m. – Noon

1:30 p.m. – 5 p.m.

9 a.m. – 4:30 p.m.

Registration Open

Morning Preconference Seminars

Afternoon Preconference Seminars

RP3 Review Panel Meeting

PRECONFERENCE SEMINARS

Preconference seminars offer longer class times, smaller class sizes, interactive formats, and experienced instructors. Dive deep into hot topics to add value to your conference experience.

Separate registration and fee required.

8:30 a.m. – Noon

Improving Your Overhead and Underground Line Design Practices

Recommended CEUs .3 / PDHs 3.25 / CPEs 3.8, Specialized Knowledge

Improve your overhead and underground distribution line design practices with modern tools, techniques, and consistent processes and protocols. Dive into line design criteria, construction standards, joint-use standards, software applications, and assessment of field conditions. Learn about best practices in overhead and underground line design, including proper preparation of as-built records, engineering reports, and design documentation. Review laws, regulations, and industry standards — including the NESC and OSHA — that apply to the design of overhead and underground distribution lines and see examples of violations resulting from inadequate engineering practices. Review the risk exposures of distribution lines as well as the ethical and legal requirements of professional engineering practice that are intended to ensure safe and reliable line designs.

Tom Black, P.E., Management Consultant; and John Miner, P.E., President, Collaborative Learning, Inc.

8:30 a.m. – Noon

Building Back Stronger: Disaster Recovery and Resilience Funding

Recommended CEUs .3 / PDHs 3.25 / CPEs 3.8, Specialized Knowledge

Learn how your utility can access all mitigation and recovery funding available before and after disasters. Learn about the different types of funding available and the key factors to maximize funding. Explore the role of the engineering and operations team in applying for, using, and tracking these funds. Hear case studies of utilities that have obtained significant disaster funding. Develop policies and procedures to integrate your recovery efforts. Assess key steps required before, during, and after a disaster to ensure access to funding so you can build back stronger.

Bradley Nichols, Partner, Carlos Zapata, Senior Manager, and Kara Yost, Manager—Ernst & Young Insurance and Federal Claims Services Group

1:30 – 5 p.m.

Integrating New Technologies to Future-Proof Your Utility

Recommended CEUs .3 / PDHs 3.25 / CPEs 3.8, Specialized Knowledge

Today's electric grid supports millions of smart and interactive 'energy-aware' devices. Electric vehicle sales are escalating, microgrids are maturing, solar costs are declining, behind the meter battery storage is growing, and virtual power plants are increasing. Understand what's behind these changes and why they will accelerate. Explore emerging technologies driven by complex IT models and the challenges and opportunities to integrate them into the grid. Assess the implications for your utility's business model, distribution system architecture, and engineering and data requirements. Keep up with changing customer preferences and adopt new technologies to better serve your community.

Peter Kelly-Detwiler, Co-Founder, NorthBridge Energy Partners

1:30 – 5 p.m.

Grounding and Lightning Protection Best Practices

Recommended CEUs .3 / PDHs 3.25 / CPEs 3.8, Specialized Knowledge

Grounding and lightning protection go hand-in-hand to ensure the safety and reliability of your underground and overhead distribution systems. Understand the electrical shock hazards associated with distribution lines and equipment. Review the purpose, principles, and approved methods for grounding in overhead and underground distribution applications. Go over NESC requirements for effectively grounded systems. Learn about lightning surges and their effects on the distribution system. Get up to date on the principles and practices of insulation ratings and coordination, and the application of lightning arresters on overhead and underground lines.

Tom Black, P.E., Management Consultant; and John Miner, P.E., President, Collaborative Learning, Inc.

5 – 6:30 p.m.

Welcome Reception

“Public Power’s Got Talent!”
Brandon Wylie (Electric Cities of Georgia) will entertain you with live music while you recharge over hors d’oeuvres and drinks. Reconnect with old friends and meet new people.



The **best conference in the country** for public power operations and safety issues.

KENNETH ROBERTS

Senior Safety & Training Specialist
ElectriCities of North Carolina

Monday April 20

7 a.m. – 6 p.m. Registration Open

7:30 – 8:30 a.m.

Breakfast with DEED + Awards Ceremony

Join us to celebrate the 40th anniversary of DEED, public power's exclusive research and innovation program. The RP3, safety, and DEED award winners for 2020 will be recognized at this event.

8:45 – 10 a.m.

Opening General Session

Recommended CEUs .1 / PDHs 1.25 / CPEs 1.5

Chair's Address

Decosta Jenkins, Chair, American Public Power Association and President & CEO, Nashville Electric Service, Tennessee



Public Power in 2020 and Beyond

Joy Ditto, President & CEO, American Public Power Association



10 – 10:30 a.m.

Break

Photos: RP3 and Safety Award winners

Key to Sessions



Communications
& Control



Environmental



Generation
& Fuels



Safety



Supply
Management



System
Planning



Transmission
& Distribution

10:30 a.m. – Noon

Breakout Sessions

Recommended CEUs .2 / PDHs 1.5 / CPEs 1.8



Smart Utilities for a Smart Future



We're living in the age of smart thermostats, smart speakers, smart metering, smart lighting, smart homes, smart cities, and the smart grid. What are the opportunities and threats for electric utilities in this scenario? Learn how you can securely integrate smart devices, communications networks, information systems, and applications to deliver new services, improve efficiency and reliability, foster economic development, and enhance the quality of life in your community.

Robbie Carlson, Regional Account Manager, Milsoft Utility Solutions; Al Weber, Vice President Business Development, Hometown Connections, Inc.; and Doug Westlund, Senior Vice President, AESI-US, Inc.



Make Your Performance Evaluations Matter

The dreaded performance evaluation — is it just another form to fill or an awkward conversation to have? Find out how you can transform performance evaluations for your lineworkers and other staff into a leadership development tool. Develop a holistic approach to evaluations with mid- and end-of-year check-ins, constructive feedback, and robust mentoring and coaching. Discover how to retain your stars in a competitive environment and build future leaders with a tool that's already in your hands.

Glen Moehling, Safety and Training Coordinator, Ocala Electric Utility, Florida



Environmental Regulations: A Federal Update



Electric utilities continue to face regulatory uncertainty under the Clean Air Act. New air, water, and waste rules are imposing additional requirements on generating units. Join us to understand the current and future policy landscape for environmental regulatory issues and the impact on your utility.

Darcy Bybee, Air Pollution Control Program Director, Missouri Department of Natural Resources; and Jim Roewer, Director, USWAG Programs, Edison Electric Institute, Washington, D.C.



Supply Management Opening Roundtable

Network with colleagues, discuss supply management topics of mutual interest, and hear about trends and challenges.

Noon – 1:30 p.m.

Lunch on Your Own

ROUNDTABLE DISCUSSIONS

All roundtable discussions are limited to employees of public power utilities, state and regional associations, and joint action agencies.

Have topics you'd like to discuss at any roundtable?

Email **EandO@PublicPower.org** before the conference.

1:30 – 3 p.m.

Breakout Sessions

Recommended CEUs .2 / PDHs 1.5/ CPEs 1.8



More than a Map: GIS for Digital Transformation

If you're only using GIS for facility tracking and power restoration, you're not realizing the full potential of today's technologies. Discover how geospatial analysis can fuel digital transformation to help you work smarter. See how you can transform your workflow for distribution design, uncover hidden hazards, and reduce repair and documentation time with GIS. Boost your innovation, safety, asset management, and customer experience efforts. Learn what other utilities like yours are doing.

*Eric Weaver, Deputy Director, Ocala Electric Utility, Florida; and
Bill Meehan, Director, Utility Solutions, ESRI, California*



Navigating the Complexities of Electricity Markets



The proliferation of renewables and changing resource adequacy requirements are making electricity markets more complicated to navigate, no matter which region you're in. Discuss recent developments in multiple RTO/ISOs and get an overview of resource adequacy requirements. Understand how renewables factor in limits, and how market rules differ around the country. Hear how utilities have been impacted by these requirements. Learn how you can ensure compliance as well as safe, reliable service to customers.

*Mia Perez, Corporate Communications, ERCOT, Texas; and
David Sapper, Director of Regulatory Affairs, Customized
Energy Solutions, Ltd., Indiana*



Old School: The Importance of Safety Fundamentals

Our methods have changed and our processes have streamlined, but has your training kept up with these trends? Training must be grounded in fundamentals, even while adapting to new tools and crew structures. Join the experts in looking at how linework has evolved and how it's been taught over the decades. Learn how to adjust your training and work processes to promote a culture of safety at every level of your utility. Discuss new ideas and refocus your priorities at this back-to-basics session.

*Mike McCleary, Manager of Member Services Development, Florida
Municipal Power Agency*



Prepare Now: System Hardening, Planning, and Materials Management Tips



Learn from a panel discussion on system hardening and resilience in all situations — from the everyday to the unplanned, from maintenance to emergency preparedness. Pick up best practices to plan and manage materials effectively, on blue sky days as well as in the aftermath of disasters. Get tips from subject matter experts in system planning, supply management, and operations. Come with questions on how to improve your planning and materials processes.



Korey Bush, Chief Electric System Operator, Lakeland Electric, Florida; and Gary Holcomb, Director of Procurement, Garland Power & Light, Texas

3 – 3:15 p.m.

Break

1:30 – 4:30 p.m.

Expo Preview Hours

Get a sneak peek at the Expo and start meeting vendors offering deals on the products and services your utility needs year-round.



I found this to be **one of the most valuable conferences I have ever attended.** The sessions were directly on point with the issues we're facing—great event!

MICHELLE DAY

Director of Corporate Risk
Grand River Dam Authority, Oklahoma

3:15 – 4:30 p.m.

Breakout Sessions

Recommended CEUs .1 / PDHs 1.25 / CPEs 1.5



Feeder Automation: Whose Line Is It Anyway?

If you're looking to automate your feeders, join this session to learn how to establish secure and reliable communication. Discuss the shared responsibilities operations and IT have in managing the communications system. Hear from the experts and understand how to bring back data from your distribution automation devices. Review the tradeoffs between AMI and cellular networks, and between private fiber and wireless. Learn how utilities with transmission address NERC security impacts.

Jim Weikert, Vice President, Utility Automation and Communications, Power Systems Engineering, Inc.



Natural Gas Supply: Managing the Risks

Public power utilities across the U.S. generate more than 27% of their electricity from natural gas. The shale gas revolution was a game changer but utilities continue to have challenges with natural gas supply. Supply pinches are driven by weather events and market price shocks. Come and review the risks associated with natural gas production, transportation, export, and pipeline regulation and construction. Understand the implications for your utility and how you can hedge commodity price uncertainty.

Beau Griffey, CEM, CEP, Client Executive, Energy Supply Services, Trane, Minnesota; and Eric Ingenthron, Day Ahead Planner, Evergy, Missouri



Virtual Training for a Real-World Experience

Virtual reality and online education help to bridge the skills gap by providing real-world experience without real-world cost and risk. Virtual and augmented reality can simplify and improve safety training — providing an efficient and safe working environment for employees to learn key skills and practice important movements. Learn how you can use these new technologies for maintenance work, online testing, and accident investigation and recreation. Enhance the experience with a demo of a safety e-learning course.

Brian Doubinin, Business Development, 3D Internet



How Does Your Warehouse Stack Up?

Smooth workflow in the warehouse is at the heart of a well-run utility. How efficient is your warehouse? Are you using the latest technologies? Are you achieving the best productivity and turnaround times, and managing inventory for optimum performance? How does your warehouse management compare to other utilities? Hear about a new national public power supply management benchmarking survey. Break out into small groups to discuss the preliminary data and share your utility's perspective.

*Jill Allen, Regulatory Affairs Specialist, American Public Power Association; **Tom Finn**, Materials Manager, Norwich Public Utilities, Connecticut; and **Gary Holcomb**, CPPO, CPM, Director of Procurement, Garland Power & Light, Texas*



Terminal Condition: A Power Quality Case Study



Disturbances in a utility's distribution system impacted a major airport's facility operations and prompted a power quality investigation. Share in the lessons learned and areas for improvement identified on both sides of the meter. Get the utility and customer perspectives on the issues uncovered, gauge the impact of corrective actions, and review recommendations to harden systems. Examine common sources of power quality problems and understand the need for collaboration between the utility and customer.

*Brian Gutierrez, CPQ – Manager, Power Quality and Technical Solutions, CPS Energy, San Antonio, Texas; and **Antony Parsons**, Engineering Manager, Schneider Electric, Austin, Texas*

4:30 – 6:30 p.m.

Expo
Opening
Reception

Enjoy some down time with colleagues. Unwind over drinks as you connect with industry suppliers, vendors, and consultants and discover how their products and services can help your organization succeed.

PHOTO OP

All award winners can have their pictures taken at this time.

Tuesday April 21

7 a.m. – 6 p.m.

Registration Open

7:15 – 8:30 a.m.

Women in Public Power Panel and Networking Breakfast

Grab your continental breakfast and join a lively discussion about the growing influence of women in public power. Share challenges and wins with your peers.

7:30 – 8:30 a.m.

Networking Continental Breakfast

Power up with coffee and connections at this informal breakfast. There are no speakers or moderators — just visit with your peers and chat with sponsors.

8:30 – 9:45 a.m.

Breakout Sessions

Recommended CEUs .1 / PDHs 1.25 / CPEs 1.5



Store Up on New Ideas in Battery Storage

As more customers install solar on their rooftops, how can your utility ensure that they are fully leveraging the benefits, while ensuring a positive impact on your bottom line? Discover how combining customer-owned solar with front-of-the-meter energy storage can provide a win-win-win for you and your customers, as well as developers. Learn how this system can also provide DC fast-charging of customers' electric vehicles while increasing resiliency, maximizing benefits to the grid, and lowering costs by using existing utility communication and control systems.



Jim White, Senior Energy Conservation Engineer, Chelan County PUD, Wenatchee, Washington



Not Just Another Day: Inspiring Safety

Gerry Kinney, a lineman for 18 years, was considered one of the safest employees at his electric cooperative. Yet, while on a routine job in July 2015, his life was changed forever when he came in contact with a live power line. Hear his inspiring and courageous story of overcoming great obstacles as a bilateral amputee and learn from his powerful message about the importance of not getting complacent, always following proper safety procedures, and finding blessings in each day.

Gerry Kinney, Lead Instructor (Electrical Distribution Systems Program), Frontier Community College, Illinois



Building a Strong Foundation for Construction Procurement

There are many procurement methods for capital projects, but which one will work for you? Come and explore alternatives to the design-bid-build framework, such as the engineer-procure-construct model. Discuss these models from both the utility and contractor points of view. Learn how to structure your construction contracts to maximize value and maintain input and control over the final product delivered. Ensure on-time and on-budget completion of your capital projects, with tips from the experts.

Speakers TBD



Drones: Buzzing with Possibilities, and Threats

Drones can replace lineworkers, speed up power restoration, and even deliver pizza! But it's time to cut through the hype and examine the pros and cons of using drones for day-to-day utility operations. Hear how other public power utilities are using drones for line design, maintenance, damage assessment, and issue spotting in remote areas. Learn how to sort through data and identify priority project areas. Understand the security threats and how to keep drones out of your substations.



Steve Harris, Deputy Assistant Director for Infrastructure Security, Department of Homeland Security's Cybersecurity and Infrastructure Security Agency; Scott Sligh, Chief Engineer, Riviera Utilities, Alabama; and Scott Windham, Supervisor, Transmission Lines, Santee Cooper, South Carolina

9:45 – 10:45 a.m.

Vendor Expo & Refreshment Break

Enjoy a refreshment break, hear sponsor presentations and continue to network with vendors. **The expo hall will be remain open till Noon.**

Breakout Sessions

Recommended CEUs .1 / PDHs 1.25 / CPEs 1.5



Securing the Supply Chain: Risks and Best Practices

Defining appropriate cyber and physical security standards for your equipment and software suppliers has become critical to supply chain management. Utilities of all sizes can benefit from this session, learning to implement best practices and establish controls and compliance. Hear how one public power utility tackled challenges similar to yours. Discuss the implications of new NERC supply chain management security standards and federal R&D efforts. Ask the experts questions about your supply chain risk management challenges.

DOE Speaker TBA and Utility TBA



Reducing Emissions: How Utilities Can Lead the Way

Public power utilities reduced CO₂ emissions by 33% between 2005-2017, at a rate exceeding other industry sectors. How can your utility help to sustain and accelerate this change while responding to the needs of your community? Hear about unique projects in the west involving modular nuclear, and learn how two leading public power entities have steered a future energy path without getting locked into high-cost supply contracts. Discuss how to set realistic goals and adopt a holistic approach to meet the evolving needs of the times.

Mason Baker, General Counsel, Utah Associated Municipal Power Systems, Utah; and Angela Rodriguez, Manager, Air Permitting and Compliance, CPS Energy, Texas



Towing Utility Trailers: A Safety Checklist

Many highway accidents involving utility trailers can be prevented if employees are properly trained. Learn how to develop a trailer towing training program and implement a regular trailer inspection process. Understand how to select the right vehicle and hitching system for the right task, take inventory of what you need to operate safely, and calculate and secure loads. Get a safety checklist for all procedures — from matching hitches to load to training staff in best practices.

Danny Sapp, Safety Consultant, The Safety Institute, Tennessee



Managing the System Impact of Distributed Energy Resources



Distributed energy resources — solar, storage, electric vehicles — are proliferating, and can severely impact your distribution system if you don't have a plan to manage them. Find out how to assess and handle intermittent generation, operational islanding, power quality disruption, and safety and security concerns. Learn from utility case studies and perform a good engineering analysis of the issues before you act. Discover how you can work with your customers to ensure reliability in the new energy future.

Steve Rupp, Director of Consulting Services, EnerNex

Noon – 1:30 p.m.

Lunch on Your Own

1:30 – 2:45 p.m.

Breakout Sessions

Recommended CEUs .1 / PDHs 1.25 / CPEs 1.5



To Broadband or Not to Broadband

There has been a resurgence of interest in municipal broadband deployments to help public power utilities thrive in the Internet of Things age. But is it right for you? Examine the pros and cons of a municipal broadband offering and learn how to avoid common mistakes if you undertake a feasibility study. Discover how Gbps broadband can help you position your community for economic development and sustainability while you leverage fiber-to-the premises smart grid efforts for utility automation.

Thomas Asp, Principal Analyst, CTC, Wisconsin; and Stacy Cantrell, Vice President of Engineering, Huntsville Utilities, Alabama



Coal Plant Decommissioning: How to Avoid a Debacle



From 2010-2019, retirements of more than 546 coal-fired power units, (about 102 GW of generating capacity), were announced. Plant owners intend to retire another 17 GW of coal-fired capacity by 2025. Join us to discuss the complex, multi-year process for coal plant decommissioning, remediation, and redevelopment. Take a comprehensive look at the process — from selling scrap metal to reusing equipment — that must be performed in a coordinated and efficient manner to keep the lights on.

Jacob Hook, Principal Consultant, and Jane Monroe, Planning Engineering Manager, Holland Board of Public Works, Michigan; and Eric Spirtas, President, Spirtas Worldwide, Missouri



Find and Fix: Identifying and Fixing Safety Issues without Delay

Don't just say it's a problem! Once something is identified as a hazard, utilities need to determine the best, most permanent, solution. Review case studies where workers identified safety issues and made changes. Hear examples and discuss your own experiences.

*Robert Scudder, Industrial Hygiene, Corporate Risk Manager, Grand River Dam Authority, Oklahoma and other **public power utility case studies***



Warehouse Site Visit

1:30 – 3:30 p.m.

Limited to 20 people: advance registration required. Transportation provided.

Join your supply management colleagues on a field trip to a working warehouse. Tour the Kansas City Board of Public Utilities' largest warehouse facility and pull yard. Discuss bar coding, pick tickets, cycle counting, and a work management system.



Building Resiliency: What Does it Mean for You?



As natural disasters are on the rise, resiliency has become the new buzz word — the federal government has embraced it, and many states and communities are trying to define it. But what does resiliency mean for your utility? How do you become stronger given the unique risks and challenges of your environment? Come and learn from case studies on what other utilities like yours are doing to harden distribution systems for disasters, and to snap back afterwards.

*Andrew Kendall, Senior Assistant General Manager, Power System Construction, Maintenance and Operations, Los Angeles Department of Water and Power, California; **Dave Boyer**, Regional Sales Manager-Central and **Bill St. Cyr**, Regional Sales Manager-Northeast—Hendrix Aerial Cable Systems*

2:45 – 3 p.m.

Break

3 – 4:15 p.m.

Breakout Sessions

Recommended CEUs .1 / PDHs 1.25 / CPEs 1.5



Working Safely Around 5G Pole Attachments



Age-old issues with pole attachments have intensified with the introduction of 5G telecom services. What should you do when telecom and electric services collide on your poles? Can telecom workers work safely ABOVE the electric space on 5G antenna? Should there be common maintenance standards and codes for lineworkers and telecom workers? Get the answers and determine how you can work with telecom companies to keep your community safe and flexible to take advantage of new technologies.

*Brent McKinney, Director, Electric Transmission & Distribution,
City Utilities of Springfield, Missouri*



Nearman Creek Power Station 316(b) COMPLIANCE TOUR



3 – 5 p.m.

Limited to 35 people: advance registration required. Transportation provided.

Join us for a tour of Kansas City Board of Public Utilities' Nearman Creek Power Station (a coal-fired 256MW station) on the Missouri River, the first facility in the region to comply with Section 316(b) of the Clean Water Act. Check out their state-of-the-art fish collection and return systems, designed to comply with the latest regulations and best practices.



This is a **tremendous opportunity to network** with fellow public power professionals. So much to learn from each other and from the breakout sessions.

JULIE HOLMES

Safety Manager

Longmont Power and Communications, Colorado



Drinking Out of the Data Firehose



Data, data everywhere—but not a drop to drink. This seems to be the scenario at utilities of all shapes and sizes. Operations teams love to collect data but fall short on analysis and use. Learn how to prioritize your data collection and analysis efforts when you don't have adequate staff or resources. Discover how utilities small and large can use available data available to improve operations and work to higher efficiency standards.

Jason Brown, President and CEO, mPower Innovations, Michigan; Frederick Rumery, T&D Construction Coordinator, and Tyler Sanderson, ERP Functional Analyst, Lincoln Electric System, Nebraska



Joint Action Agency and State/Regional Association Roundtable

Meet with your peers at other joint action agencies and state/regional associations to discuss engineering and operations hot topics.

4:30 – 5:30 p.m.

Reliability Power Hour

Join the American Public Power Association's reliability team for an overview and open discussion of public power reliability and operations benchmarking metrics. Discuss the latest benchmarking data, share reliability stories, and help define the path forward for public power to continue to excel. Network with your peers over a drink (cash bar) during this informal session.

6 p.m.

Young
Professionals
Happy Hour

Meet up with other young professionals from public power utilities, affiliates, and partner organizations at a relaxing, fun, pay-your-own-way happy hour. Share a drink and discuss how to take on the future.

Wednesday April 22

7:30 – 8:30 a.m.

Networking Continental Breakfast

Network with your peers at this informal breakfast. There are no speakers or moderators.

8:30 – 10 a.m.

Breakout Sessions

Recommended CEUs .2 / PDHs 1.5/ CPEs 1.8

Roundtable discussions are open only to employees of public power utilities, state/regional associations, and joint action agencies.



Communications & Control Roundtable



Environmental Issues Roundtable



Safety Roundtable



Supply Management Roundtable



T&D/System Planning Roundtable

10 – 10:30 a.m.

Break

10:30 – 11:30 a.m.

Closing General Session

"Find a Way:" Fighting to Live Your Dream

Guided by his philosophy, 'Find a Way,' former running back for the Pittsburgh Steelers and Chicago Bears; cancer survivor; and ESPN analyst Merrill Hoge will inspire you with his story of strength and perseverance in the face of adversity.

Hoge didn't just dream about this goal. From a young age, he found a way and took action to overcome any obstacle and attain any goal. Concussions that prematurely ended his NFL career, cancer, chemo – nothing could stop him.

Recharge your life with Hoge's unique perspectives on the importance of uncommon behavior, commitment that separates the leader from the pack, and parenting that motivates children to overcome obstacles and take ownership of their lives.

Merril Hoge, Retired NFL Running Back and author of "Find a Way: Three Words That Changed My Life"



11:30 a.m.

Conference adjourns

ACCREDITATION & CERTIFICATION



Continuing Education Units

The American Public Power Association is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.

Professional Development Hours

The Association's educational practices are consistent with the criteria for awarding Professional Development Hours (PDHs) as established by the National Council of Examiners for Engineering and Surveying (NCEES). Course eligibility and number of PDHs may vary by state.



Continuing Professional Education Credits

The American Public Power Association is registered with the National Association of State Boards of Accountancy (NASBA) as a sponsor of continuing professional education on the National Registry of CPE Sponsors. State boards of accountancy have final authority on the acceptance of individual courses for CPE credit. Complaints regarding registered sponsors may be addressed to the National Registry of CPE Sponsors, 150 Fourth Ave. N., Suite 700, Nashville, TN 37219-2417. Website: www.nasbaregistry.org.

Earn up to 17 CPE credit hours for attending the conference (not including the preconference seminars). All sessions are intermediate-level, group-live offerings with no prerequisites and no advance preparation required. Areas of study will be listed on the Verification of Attendance form. For more information regarding administrative policies, such as clarification of requirements, complaints, and refunds, contact EducationInfo@PublicPower.org.



Reliable Public Power Provider Designation

Participating in the Academy's conferences and seminars is an easy way to earn points toward the American Public Power Association's Reliable Public Power Provider (RP3) designation, recognizing public power utilities that demonstrate proficiency in four disciplines — reliability, safety, workforce development, and system improvement. For more information, visit www.PublicPower.org/RP3.



MISSOURI

KANSAS CITY

Downtown Kansas City, a blend of Art Deco buildings, brick warehouses dating from the 1880s, and modern skyscrapers, is also home to the new Power & Light District, an 8-block development of unique dining-and-entertainment venues. Yet the metropolitan area retains something of a small-town atmosphere, with tree-lined boulevards, bubbling fountains, and a large number of parks spread over gently rolling hills. It's famous for its stockyards, saxophone player Charlie "Bird" Parker and his Kansas City-style bebop, and some of the best barbecue in the world. The city has more boulevards than Paris and more working fountains (212 and counting) than any city but Rome. It's certainly a don't-miss Great Plains highlight with world-class museums and quirky art-filled neighborhoods that jostle for your attention.

Discover more at www.visitkc.com.

LOCATION & HOTEL

CONFERENCE LOCATION

All conference events will be held at the Kansas City Convention Center (301 W 13th St., Kansas City, MO 64105).

CONFERENCE HOTEL

The Association's discounted room block is at the Crowne Plaza, just one block away from the convention center.

The Crowne Plaza Kansas City Downtown is conveniently located in the heart of downtown Kansas City. The hotel is accessible by foot, shuttle or streetcar to world class dining, live music and entertainment at the Power & Light District, Crossroads Art District and the River Market Neighborhood.

Only use the reservation links, phone numbers, and discount codes at www.PublicPower.org/EandO under the "Hotel" tab.

Reservations

- **Group rate:** \$189 (Single/Double) per night (plus tax)
- **Phone:** 816-474-6664
- **Online:** Visit www.PublicPower.org/EandO under Hotel
- **Attendee group code:** APP
- **Reservation cut-off date:** March 26, 2020

Logistics

- **Check in:** 4 p.m.; **Check out:** Noon
- **Internet access:** Complimentary in sleeping rooms
- **Parking:** Valet parking: \$232/night

Rooms often sell out before the cutoff date, so make your reservations early. Contact Meeting Services at 202-467-2941 or Meetings@PublicPower.org, for help.

Transportation

The hotel is approximately 20 miles from the Kansas City International Airport (MCI).

REGISTRATION

www.PublicPower.org/EandO

Register online or download a registration form you can email or mail.

REGISTRATION FEES

American Public Power Association Member

	Through March 20	After March 20
Engineering & Operations Conference	\$775	\$825
Preconference Seminar (each)	\$350	\$400

Not Yet a Member

	Through March 20	After March 20
Engineering & Operations Conference	\$1,550	\$1,600
Preconference Seminar (each)	\$700	\$750

CONTACT US

Visit www.PublicPower.org/EandO for program updates and to register online.

Registration Questions

Registration@PublicPower.org
202-467-2941

Hotel Assistance

Meetings@PublicPower.org
202-467-2941

Program Questions

EandO@PublicPower.org
202-467-2921

Sponsor Questions

Haley Herbst
HHerstb@PublicPower.org
202-467-2944



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Join today and save \$775 on your conference registration. Call 202-467-2926 or email

Membership@PublicPower.org to learn more.



Sending an employee to the E&O Conference **adds value to any utility training curriculum.** Easily the most valuable part of the conference is listening to peers describe not only the best practices and lessons learned but also the issues and hurdles that they are facing daily.

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