

American Public Power Association

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. The 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 Association partners with its members to promote public power, helping community-owned utilities deliver superior services through joint advocacy, education, and collaboration. Its vision is to shape the future of public power to drive a new era of community-owned electric service.

Los Angeles Department of Water and Power

The Los Angeles Department of Water and Power (LADWP) is the nation's largest municipal utility, with a 7,880 megawatt (MW) electric capacity and serving an average of 438 million gallons of water per day to Los Angeles residents and businesses.

For more than 100 years, LADWP has provided the City of Los Angeles with reliable water and power service in a cost-effective and environmentally responsible manner.

With a workforce of more than 10,000 employees, LADWP is guided by a five-member Board of Water and Power Commissioners, appointed by the Mayor and confirmed by the City Council. LADWP is a proprietary agency of the City of Los Angeles, with full responsibility for meeting the electric and water needs of city's residents and businesses.

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Morning

- 8:00 a.m. Registration, coffee, continental breakfast**
- 8:30 a.m. Opening remarks**
Morning moderator: **Peggy Welsh**, Welsh Energy Consulting
- 8:45 a.m. Setting the stage: Lessons learned from on establishing and maintaining a successful cybersecurity program**
David Alexander, Los Angeles Department of Water and Power
- 9:15 a.m. The APPA Cybersecurity for Energy Delivery Systems (CEDS) Program: What's in it for small and mid-size municipal utilities?**
Nathan Mitchell, American Public Power Association
- 9:45 a.m. The APPA *Public Power Cybersecurity Scorecard*: How to assess and prioritize your cyber risk portfolio**
Jason Christopher, Axio
- 10:15 a.m. Networking break**
- 10:30 a.m. The APPA *Public Power Cybersecurity Roadmap*: Taking the next steps to success**
Chris Kelley, Beam Reach Consulting Group
- 11:00 a.m. The APPA *Incident Response Playbook*: A step-by-step guide on how to successfully overcome an incident once it has happened**
Jack Eisenhauer, Nexight Group
- 11:30 a.m. Roundtable discussion on the APPA tools available to municipal utilities**
Discussion leaders: **Peggy Welsh**, Welsh Energy Consulting; **Chris Kelley**, Beam Reach Consulting Group
- 12:00 p.m. Networking lunch**

Afternoon

- 1:15 p.m. Welcome Back and Announcements**
Afternoon moderator: **Chris Kelley**, Beam Reach Consulting Group
- 1:20 p.m. Resources from E-ISAC and MS-ISAC available to municipal utilities for information sharing that contribute to resilience and help prepare for responses**
Laura Brown, Electricity Information Sharing and Analysis Center (E-ISAC)
Kyle Bryans, Multi-State Information Sharing and Analysis Center (MS-ISAC)
- 2:00 p.m. APPA Weekly Situation Report: A resource for all municipal utilities**
Steve Parker, EnergySec
- 2:30 p.m. Neighborhood Keeper program: A collaborative threat detection tool for small to medium sized public power utilities**
Ben Miller, Dragos, Inc.
- 3:00 p.m. Networking break**
- 3:30 p.m. Cyber Everywhere: Adapting security programs to consider the proliferation of IoT devices through things like Smart Cities initiatives**
Piyush Pandey, Deloitte & Touche LLP
- 4:00 p.m. Resources from the federal government: U.S. Department of Homeland Security's efforts to support municipal utilities**
Mark Bristow, U.S. Department of Homeland Security, National Cybersecurity and Communications Integration Center (NCCIC)'s Hunt and Incident Response Team (HIRT), Cyber and Infrastructure Security Agency (CISA)
- 4:30 p.m. Group Discussion and Roundtable**
Nathan Mitchell, American Public Power Association
- 5:15 p.m. Closing remarks**
David Alexander, Los Angeles Department of Water and Power
- 5:15 p.m. Close**

August 22

2019

American Public Power Association
Los Angeles Department of Water and Power
Regional Cybersecurity Summit
Anaheim, California

Speakers

David Alexander

Chief Information Security Officer

David Alexander is the Chief Information Security Officer at Los Angeles Department of Water and Power, the nation's largest municipal utility, where he continues to evolve a comprehensive Information Security Program. With more than 20 years of IT and power operations experience, Mr. Alexander has leveraged his extensive technical and business operation experience to apply sound IT Security practices while meeting the demanding business requirements of the power industry. He is also responsible for the development and coordination of LADWP's strategic and tactical IT security planning initiatives to reduce risks, respond to incidents, and limit exposure to liability that may result in financial and image loss to the utility.

Mark Bristow

Director, U.S. Department of Homeland Security, National Cybersecurity and Communications Integration Center (NCCIC)'s Hunt and Incident Response Team (HIRT), Cyber and Infrastructure Security Agency (CISA)

Mark Bristow is the Deputy Division Director for Hunt and Incident Response Team (HIRT) at the National Cybersecurity and Communications Integration Center (NCCIC) within the Department of Homeland Security. He has been with DHS since 2008 and worked as an Incident Responder and then Chief of Incident Response and Management for Industrial Control Systems incidents under the Industrial Control Systems Cyber Emergency Response team (ICS-CERT). Mr. Bristow has worked previously conducting assessments and penetration tests of industrial control systems equipment in multiple sectors with a focus on electric power generation, transmission and distribution and found his first vulnerability in ICS systems at the age of 10. He has a bachelor's degree in Computer Engineering from The Pennsylvania State University.

Laura Brown

Director of Programs and Engagement, Electricity Information Sharing and Analysis Center (E-ISAC)

Laura Brown has more than 12 years of experience in government relations, public policy, and regulatory activities, including 10 years in cybersecurity policy. She has leadership and management experience in dynamic organizations focusing on project management, campaign development and implementation, cross-functional coordination, and outreach and awareness. Ms. Brown also has extensive experience developing and fostering public-private partnerships with government and industry representatives, Congressional members and staff, trade associations, and various working groups. She has demonstrated expertise in emerging technology policy issues, cybersecurity, critical infrastructure and key resources protection, and national security/emergency preparedness communications.

Kyle Bryans

Program Specialist for the Multi-State Information Sharing and Analysis Center™

Kyle Bryans is a Program Specialist for the Multi-State Information Sharing and Analysis Center™ (MS-ISAC®), a division of CIS® (Center for Internet Security, Inc.®). He is a member of the Stakeholder Engagement team, which works with our nation's State, Local, Territorial, and Tribal (SLTT) governments, providing free cybersecurity resources and services to enhance their collective posture. Kyle manages the accounts of the hundreds of Multi-State Information Sharing & Analysis Center® (MS-ISAC®) members throughout the Northeast and Midwestern U.S., supporting their overall cybersecurity posture. He also co-chairs the Business Resiliency and Continuity Workgroup.

Jason Christopher

Chief Technology Officer, Axio Research, LLC.

Jason Christopher is the Chief Technology Officer for Axio Research, LLC. His responsibilities include providing technical leadership on security and resilience issues relevant to Axio, its partners, and clients, and the development of all Axio technology platforms for security metrics and benchmarking.

Prior to Axio, Mr. Christopher led the research for cybersecurity metrics and information assurance at the Electric Power Research Institute. Previously, he was the technical lead for cybersecurity capability and risk management at the U.S. Department of Energy, where he managed the Cybersecurity for Energy Delivery Systems Operations program, which included the Cybersecurity Capability Maturity Model and other collaborative efforts. Mr. Christopher also served as the program lead for both Critical Infrastructure Protection Standards and Smart Grid Security at the Federal Energy Regulatory Commission. Mr. Christopher worked on a variety of infrastructure projects, particularly in the field of industrial control systems design and implementation. He has also researched and designed technology systems across multiple industries, including energy, water, transportation, and communications. He has been a representative on the Federal Smart Grid Task Force, the Critical Infrastructure Protection Committee (CIPC), and other technical committees.

Mr. Christopher is a member on the Institute of Electrical and Electronics Engineers (IEEE-USA) Energy Policy, Communications Policy, and Research & Development Policy Committees. Over the past decade, he has focused on the development of cybersecurity standards and practices for the nation's critical infrastructure.

Jack Eisenhauer

President, Nexight Group

Mr. Eisenhauer is co-founder and president of Nexight Group, a strategy and technical consulting firm in Silver Spring, Maryland. For the past 40 years he has led strategic planning and partnership efforts in infrastructure protection and resilience, cyber security, and advanced energy technologies. He works with senior executives of the U.S. Department of Energy (DOE), the U.S. Department of Homeland Security, the National Infrastructure Advisory Council, and the national laboratories on strategies to reduce risks to critical infrastructures. Mr. Eisenhauer has conducted more than 50 tabletop exercises with infrastructure owners and operators, and has been honored with four awards of appreciation for his outstanding contributions to DOE.

Christopher Kelley, PMP

Vice President, Beam Reach Consulting Group

Chris Kelley is a management and technology consultant with more than 20 years' experience in the energy and technologies industries. As an experienced program management consultant, his background includes developing and improving utility, technology, and energy strategy and execution-oriented program management offices. He has facilitated effective collaborations of disparate groups focused on critical national challenges, innovation and ideation, industry-wide opportunities, and organizational strategy.

Mr. Kelley's recent support includes human factors change management for a distributed energy interconnection project at a large utility, and program design and stakeholder engagement for a national energy resilience program. He is currently working with the public power Cybersecurity Roadmap Advisory Committee to support development of a Cybersecurity Roadmap for small- to medium-sized public power utilities. He holds a Bachelor of Science in Information Systems from the University of Maryland, Baltimore County and a Master of Business Administration in Strategy from the University of Maryland, College Park Smith School of Business. He is a certified Program Management Professional and a Scout Leader for his son's active Cub Scout Pack.

Ben Miller

Vice President of Threat Operations, Dragos Inc.

Ben Miller leads Dragos' team of analysts in performing active defense, threat hunting, incident response, and malware analysis missions for the industrial community inside of ICS/SCADA networks.

Previously the Associate Director, Electricity Information Sharing & Analysis Center (Electricity ISAC), Mr. Miller led cyber analysis for the sector. He and his team focused on leading-edge cyber activities as they relate to the North American bulk electric system. Mr. Miller has been recognized as instrumental in building new capabilities in information sharing and analytics at the E-ISAC. Prior to that, he built and led a team focused on Network Security Monitoring, forensics, and incident response at a Fortune 150 energy firm. His team received numerous accolades from industry and law enforcement. Mr. Miller also implemented a CIP project with various enterprise-wide mitigation programs.

Mr. Miller has more than 18 years' experience and currently holds the CISSP and GIAC GREM certifications. He served as a member of the NERC Cyber Attack Task Force, a panel member of the NBISE Advanced Defender panel, and adviser on CI Advanced Defender Training program.

Nathan Mitchell, P.E.

Senior Director, Cyber and Physical Security Services, American Public Power Association

Nathan Mitchell, P.E. is the Senior Director of Cyber and Physical Security Services for the American Public Power Association (APPA) in Arlington, Virginia. He joined the association in 2006. Prior to that he served for 10 years at the City of Naperville, Illinois, in the Department of Public Utilities, where he was Electric Distribution manager in charge of utility operations and construction. Mr. Mitchell has a BS in Electrical Engineering from Iowa State University, and is a Registered Professional Engineer in the State of Illinois.

Mr. Mitchell provides leadership in cyber and physical security issues for APPA members. Is the principal investigator of a three-year program using DOE funds to develop cyber security tools, educational resources, guidelines, and training on strategies that public power utilities can use to address cyber risk.

Piyush Pandey

Managing Director, Deloitte & Touche LLP

Piyush Pandey is a Deloitte Risk and Financial Advisory Managing Director and smart cities cybersecurity leader at Deloitte. He has more than 17 years of experience in leading government transformation initiatives in cyber risk and privacy areas across multitude of programs such as health and human services, transportation, labor, office of innovation and administration. His experience includes enabling digital transformation of governments by shaping cybersecurity vision and strategy, design and implementation of digital identity solutions and advanced authentication programs, development of security standards and solutions for connected IOT devices and data exchanges, implementation of vulnerability management solutions, development of resiliency and incident management plans, and establishment of data protection and privacy programs. He speaks frequently on cyber risk management and smart cities topics at various forums.

Mr. Pandey has an undergraduate degree in Computer Science and master's in business administration. He is a certified Project Management Professional (PMP), Certified Information System Security Professional (CISSP), and ITIL.

Steve Parker

President and Chairman of the Board, EnergySec

Steven Parker, CISA, CISSP, is President of EnergySec, and is a founding director of the organization. He has been engaged in critical infrastructure protection within the electric sector since 2001, including eight years as a senior security staff member at PacifiCorp. As one of the original CIP auditors, he helped establish the NERC CIP audit program at the Western Electricity Coordinating Council (WECC) in 2009. His experience includes a broad range of security disciplines including e-commerce, identity management, intrusion detection, forensics, incident response and investigations, security event monitoring, and NERC CIP compliance.

Mr. Parker has been actively employed within the electric sector since late 2001 when he joined PacifiCorp, a large investor-owned utility in the Northwest, as a senior member of their newly formed information security team. In 2009, he joined the Western Electricity Coordinating Council (WECC) where he helped build the initial NERC CIP audit program. In late 2010, he joined EnergySec full-time as part of the leadership team that built the National Electric Sector Cybersecurity Organization (NESCO) under an award from the U.S. Department of Energy. Mr. Parker was named President of EnergySec in February of 2013.

Peggy Welsh

Principal, Welsh Energy Consulting, LLC

Peggy Welsh is the Founder and Principal of Welsh Energy Consulting, LLC which is a woman-owned small business offering management consulting services to the energy sector. Specialties include program management, policy analysis, strategic planning and implementation, report writing and editing,

research and analysis, government relations, coalition building, and event planning, execution and post-event analysis. Prior to establishing Welsh Energy Consulting, Ms. Welsh was Program Manager of Electricity Programs at Energetics, Inc. where she worked on electric power policies and programs. At Energetics, she supported the U.S. Department of Energy's Electricity Office, the Energy Policy and Systems Analysis Office, and the Energy Efficiency and Renewable Energy Office, in addition to serving several private sector clients.

Prior to joining Energetics, Ms. Welsh was Senior Vice President of the Consumer Energy Council of America (CECA), a non-profit research organization that undertook research and conducted consensus building on energy public policy. Previously, she served as Executive Director of the National Association of Regulatory Utility Commissioners, the national association representing state utility regulators. She also served as Executive Director of the Electric Generation Association (EGA), a national trade association representing independent power producers. EGA and its counterpart merged to become the Electric Power Supply Association (EPSA). Ms. Welsh facilitated the merger while serving as Acting Executive Director of EPSA until its launch.

Ms. Welsh has held numerous other positions, including serving as Administrative Director of the Independent Power Producers Working Group, a coalition of independent power producers, while she was a lobbyist for the law firm of Dickstein, Shapiro and Morin. Earlier Peggy worked in the White House during the Ford Administration and began her career with U.S. Senator Dewey F. Bartlett (R-OK).