



Electricity Advisory Committee 2021 Membership Roster

Sharon Allan

Chief Strategy Officer
Smart Electric Power Alliance

Christopher Ayers

Executive Director
North Carolina Utilities Commission
Public Staff

Lauren Azar

Founder
Azar Law LLC

Andrew Barbeau

President
The Accelerate Group and Illinois Clean
Job Coalition

Tom Bialek

Chief Technology Officer
Toumetis

Daniel Brooks

Vice President of Integrated Grid
Electric Power Research Institute

Jennifer Chen

President
ReGrid

Robert Cummings

President
Red Yucca Power Consulting

Kimberly Denbow

Senior Director of Security, Operations,
& Engineering Services
American Gas Association

Andrew Fellon

President
Alliance Advisory Services

Sari Fink

Senior Director; Electricity and
Transmission Policy
American Clean Power Association

Flora Flygt

Strategic Planning & Policy Advisor
American Transmission Company (Ret.)

Lisa Frantzis

Partner in Energy, Sustainability, and
Infrastructure
Guidehouse

Sheri Givens

Vice President, US Regulatory &
Customer Strategy
National Grid

Brian Harrell

Vice President and Chief Security
Officer
Avangrid

Dave Herlong

Senior Director, Cyber Resiliency
NextEra Energy, Florida Power & Light
Company

Phil Herman

Senior Vice President, Energy and
Infrastructure
Blink Charging

Michael Heyeck

Founder
The Grid Group, LLC

Mario Hurtado
Chief Regulatory Officer
Luma Energy, LLC

Lola Infante
Executive Director, Government and
External Affairs
Electric Power Research Institute

Lynne Kiesling
Research Professor, College of
Engineering, Design and Computing
University of Colorado – Denver

Clay Koplin
CEO
Cordova Electric Cooperative

Robert M. Lee
CEO
Dragos

Brian Lipscomb
CEO
Energy Keepers

Nicole Lowen
Member
Hawai'i House of Representatives

Monica Martinez
Owner and Principal
Ruben Strategy Group LLC

Jessica O. Matthews
Founder and CEO
Uncharted Power, Inc.

Samara Moore
Security Assurance Senior Manager and
Global Energy Specialist
Amazon Web Services

Jay Morrison
Chief Legal and External Affairs Officer
ElectriCities of NC, Inc.

Richard Mroz
Managing Director
Resolute Strategies, LLC

Don Parsons
Member
Georgia House of Representatives

Delia Patterson
Senior Vice President of Advocacy and
Communications and General Counsel
American Public Power Association

Darlene Phillips
Executive Director, Operations
Engineering Support
PJM Interconnection LLC

Wanda Reder
President and CEO
Grid-X Partners, LLC

Paul Stockton
President
Paul N. Stockton LLC

Ramya Swaminathan
CEO
Malta, Inc.

Tom Weaver
Manager, Distribution Systems Planning
American Electric Power Company Inc.
(Ret.)



Sharon Allan

Chief Strategy Officer, Smart Electric Power Alliance

PROFESSIONAL EXPERIENCE

- Independent Board Director, Electro-Mechanical Inc, June 2020-present
- Board Advisor to Enertech Venture Capital, February 2013–present
- Chief Strategy & Innovation Officer, Smart Electric Power Alliance, April 2017–present
- CEO, Smart Grid Interoperability Panel, November 2014–April 2017
- Managing Director/Partner, Accenture, May 2009–January 2013
- President, Elster Integrated Solutions, October 2006–May 2009
- President, AMCO, January–Oct 2006 (AMCO merged into Elster)
- Chief Knowledge Officer, Elster/ABB, November 1997–January 2006
- Senior Manager, IBM, June 1989–November 1997

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Consulted with Fortune 50, 100, and 500 companies on various distribution technologies that have encompassed both grid, clean technologies and customer solutions.
- Commercialized over 40 offerings in the sector through work at ABB, Elster, Accenture, and Enertech.
- Have been an expert witness and testified on AMI before FERC and states.
- In summary, experience expands 37-plus years driving transformation in the industry in areas undergoing change and to commercialize technology solutions to aid in that transformation.

AFFILIATIONS AND AWARDS

- Senior Member, IEEE
- 50 Key Women in Energy
- Named one of Smart Grid's Three Most Powerful Women, Smart Grid News

EDUCATION

- M.B.A., Duke University Fuqua School of Business
- B.S., Electrical Engineering, University of Florida, Gainesville
- Graduate courses in Electrical Engineering (Control and Communications), University of South Carolina, Columbia
- Graduate courses in Electrical Engineering, North Carolina State, Raleigh



Christopher Ayers

Executive Director, North Carolina Utilities Commission Public Staff

PROFESSIONAL EXPERIENCE

- Executive Director, North Carolina Utilities Commission Public Staff
- Partner, Poyner Spruill, LLP
- Attorney, Hunton & Williams, LLP

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Mr. Ayers has led the Public Staff, an independent state agency that represents the using and consuming public in all matters before the North Carolina Utilities Commission (NCUC), since July 2013. The Public Staff reviews, investigates, and makes recommendations to the NCUC with respect to the reasonableness of rates charged and adequacy of service provided by regulated utilities. The Public Staff also reviews utilities' resource planning, evaluates statutory and regulatory compliance, investigates consumer issues, works with policymakers, and convenes stakeholders as requested by the NCUC.
- Prior to joining the Public Staff, Mr. Ayers practiced law in the private sector for ten years with a focus on utilities and environmental law and regulatory compliance. His legal practice included representation of electric, telephone, water and wastewater entities regulated by the NCUC, municipalities, customer groups and advocates, and businesses.

AFFILIATIONS AND AWARDS

- President, National Association of State Utility Consumer Advocates (NASUCA)
- Board of Directors, Consumer Advocates of the PJM States, Inc. (CAPS)
- Advisory Board, Financial Research Institute (FRI)
- Advisory Council, New Mexico State University Center for Public Utilities
- Keystone Energy Board
- Executive Committee, Critical Consumer Issues Forum (CCIF)
- Chair, Board of Directors, State Employees Credit Union (SECU)
- Former Commissioner, North Carolina Environmental Management Commission

EDUCATION

- J.D., University of North Carolina School of Law, Chapel Hill
- A.B., Political Science and Sociology, Duke University



Lauren Azar

Fonder, Azar Law LLC, Azar Consulting LLC

PROFESSIONAL EXPERIENCE

- Founder, Azar Law LLC; Azar Consulting LLC
- Senior Advisor to the Secretary, U.S. Department of Energy
- Commissioner, Public Service Commission of Wisconsin
- Partner, Michael Best & Friedrich LLP

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Provides legal and consulting services in the electric industry providing business, regulatory and policy advice, as well as project development and permitting. Among other things, she is currently assisting utilities to develop a path to deep decarbonization and working within the Midcontinent Independent System Operator (MISO) footprint to improve transmission planning and cost allocation.
- Azar served as the Senior Advisor to the US Secretary of Energy from 2011-13, advising him on the electric industry and its institutional barriers. She also co-lead negotiations among nine federal agencies, to overhaul and streamline their evaluation of electric transmission.

AFFILIATIONS AND AWARDS

- Governor-Elect Evers' (WI) Agriculture, Energy and Natural Resources Policy Advisory Council, December 2018 to January 2019
- U.S. DOE Brain Trust for the Advanced Research Projects Agency - Energy (ARPA-E), 2012-2013
- Eastern Interconnection States' Planning Council: President, 2010-2011; Executive Committee, 2010-2011
- U.S. DOE Electricity Advisory Council Vice Chair, 2010-2011

EDUCATION

- J.D., University of Wisconsin-Madison
- M.S. University of Wisconsin-Madison
- M.A. Northwestern University
- B.A., Rutgers University



Andrew Barbeau

President, The Accelerate Group and Illinois Clean Jobs Coalition

PROFESSIONAL EXPERIENCE

- President, The Accelerate Group
- Senior Consultant, Environmental Defense Fund
- Co-Founder, Robert W. Galvin Center for Electricity Innovation
- Policy Advisor, Office of the Governor for the State of Illinois

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- With The Accelerate Group, Mr. Barbeau has served as a national thought leader on electricity policy, market, and technology issues, helping to author clean energy legislation and serving as a subject matter expert in electric utility regulation on topics such as microgrids, rate design, electric vehicles, renewable energy program design, and rate structures.
- Since 2020, Mr. Barbeau has led the Policy + Innovation Coordination Group, the California Public Utilities Commission's effort to spur coordination and collaboration among the \$1.5 billion in electricity research, development, and demonstration projects funded as part of the state's EPIC program.
- The Accelerate Group, with its sister company Accelerate Energy Labs, has launched innovative pilot projects itself around smart buildings, smart cities, and microgrids in the U.S. and Europe. Their smart building software solution, Site Energy, has been adopted by more than 10 million square feet of commercial office buildings.
- Prior to founding The Accelerate Group in 2012, Mr. Barbeau was the co-founder of the Robert W. Galvin Center for Electricity Innovation, a \$40 million energy research & development center that built the world's first Perfect Power Microgrid on the campus of IIT. Mr. Barbeau also served as a policy advisor in the Office of the Governor for the State of Illinois.

AFFILIATIONS AND AWARDS

- Illinois Clean Energy Jobs Coalition
- Board of Directors, Asklepios Foundation

- Powering Illinois Future Committee, 2018-19
- Karen May Leadership Award, 2017

EDUCATION

- M.A., American Government, Loyola University Chicago
- B.A., Political Science, Loyola University Chicago



Tom Bialek

Chief Technology Officer, Toumetis

PROFESSIONAL EXPERIENCE

- Chief Technology Officer, Toumetis
- Chief Engineer, San Diego Gas & Electric Company

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Mr. Bialek is currently employed by Toumetis as the Chief Technology Officer. His present responsibilities involve applying utility transmission and distribution knowledge of equipment, operations, planning and time-series data with data science and machine learning to provide business value to clients.
- He previously worked at San Diego Gas & Electric Company (SDG&E) as Chief Engineer. His responsibilities involved technology strategy and policy for transmission and distribution issues, including equipment, operations, planning, distributed generation and development of new technologies. Other experiences with manufacturers and utilities included electric utility design, planning and operation and equipment design, development and manufacturing.

AFFILIATIONS AND AWARDS

- Senior Member, Institute of Electrical and Electronics Engineers
- Former Chair, Failure Mechanism Technical Committee
- Former Secretary, Dielectrics and Electrical Insulation Society
- Former Working Group Member, Surge Arresters
- Former Chair, National Renewable Energy Laboratory Energy Systems Integration Technical Review Panel
- Former Member, Sandia National Laboratories Energy Advisory Board

EDUCATION

- Ph.D., Electrical Engineering, Mississippi State University
- M.S., Electrical Engineering, University of Manitoba, Canada
- B.S., Electrical Engineering, University of Manitoba, Canada



Daniel Brooks

Vice President of Integrated Grid, Electric Power Research Institute

PROFESSIONAL EXPERIENCE

- Manager, Grid Operations and Planning Research Group, Electric Power Research Institute (EPRI)
- Manager, Renewables Integration Research Team, EPRI
- Electrotek Concepts

ENERGY EXPERIENCE

- More than 25 years of experience in the energy industry in various research and development, consulting, and technology innovation management roles.
- Leads the teams responsible for EPRI's research involving integrated energy systems planning, system operations, and integration of renewables, energy storage, and distributed energy resources.
- Managed the Grid Operations and Planning research group at EPRI. Responsible for transmission and distribution system operations and planning research, including the integration of variable renewable generation and distributed resources (e.g., distributed solar, energy storage, electric vehicles, and demand response), system resiliency and restoration, system protection and control, system stability and dynamic modeling, and advanced situational awareness and operator decision support tools.

EDUCATION

- B.S., Electrical Engineering, Mississippi State University
- M.S., Electrical Engineering, Mississippi State University
- M.B.A., University of Tennessee at Martin



Jennifer Chen
President, ReGrid

PROFESSIONAL EXPERIENCE

- President, ReGrid
- Senior Policy Counsel, CO₂Efficient
- Senior Fellow, R Street Institute
- Fellow, Clean Energy Buyers Institute
- Senior Counsel for Federal Energy Policy, Duke University
- Attorney, Natural Resources Defense Council
- Attorney-Advisor, Federal Energy Regulatory Commission

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Jennifer Chen works to help clients shape electricity, transmission and governance policies with an eye toward modernizing grid infrastructure and scaling up clean energy. She has written and presented on these topics, including testifying before the U.S. Congress and the U.S. Federal Energy Regulatory Commission (FERC).
- Prior to hanging her own consulting shingle, Jennifer led federal energy policy work at the Nicholas Institute, a think tank for environmental policy solutions at Duke University. She was previously an attorney with the Natural Resources Defense Council, where she led a coalition of NGOs and collaborated with stakeholders to advocate for an efficient and flexible power system. She began her energy career at FERC.

AFFILIATIONS AND AWARDS

- Advisory Council Member, Americans for a Clean Energy Grid
- eLab Accelerator Team Member, Rocky Mountain Institute
- Advisory Council Member, World Resources Institute

EDUCATION

- Doctor of Law (JD), New York University School of Law
- PhD, Physics, University of Chicago



Robert Cummings
President, Red Yucca Power Consulting

PROFESSIONAL EXPERIENCE

- Retired Senior Director of Engineering and Reliability Initiatives, North American Electric Reliability Company, after 23 years

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Mr. Cummings has extensive experience in the industry in system planning, operations engineering, and wide-area planning. His geographically diverse experience includes Central Vermont Public Service Corporation in System Planning (generation and transmission), Public Service Company of New Mexico in Operations Engineering and Wide-area Planning, and the East Central Area Reliability Coordination Agreement (ECAR) regional office of NERC as the Manager of Transmission Services.
- He was a principal investigator of the 2003 Northeast Blackout and the more recent Arizona-Southern California outage of September 8, 2011. He directed the NERC event analysis program for five years, leading or working on 12 major system disturbance analyses.
- Mr. Cummings is the “father” of power interchange transaction “tagging” and the Interchange Distribution Calculator for the Eastern Interconnection, which is known as the Enhanced Curtailment Calculator in the Western Electricity Coordination Council.
- Mr. Cummings was instrumental in the founding of the NERC System Protection and Controls Subcommittee

AFFILIATIONS AND AWARDS

- Lifetime Senior Member, Institute of Electrical and Electronics Engineers (IEEE)
- Member, Scientific Advisory Board of CURENT (Center for Ultra-wide Area Resilient Electric Energy Transmission Networks)
- Lifetime Achievement Award by the Energy Systems Integration Group (ESIG) for major contributions in the field of power system reliability.
- Senior Staff Technical Advisor for the NERC System Analysis and Modeling Subcommittee
- Technical Advisor to the North American Synchro-Phasor Initiative
- Technical Director of the NERC System Protection Improvement Initiative, the Modeling Improvements Initiative, and the Frequency Response Initiative

EDUCATION

- B.S., Power System Engineering, Worcester Polytechnic Institute

Kimberly Denbow
Senior Director of Security, Operations, & Engineering Services
American Gas Association



PROFESSIONAL EXPERIENCE

- Senior Director of Security, Operations & Engineering Services, American Gas Association (AGA), 20+ years

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- As industry liaison to numerous U.S. Department of Homeland Security and Department of Energy-sponsored programs targeting natural gas utility physical and cybersecurity operations, Ms. Denbow helps lead efforts that drive the coordination of multiple federal security initiatives—all designed to benefit the oil and natural gas sector.

AFFILIATIONS AND AWARDS

- Served as staff executive for multiple AGA Operating Section technical committees, including the AGA Natural Gas Security Committee and the AGA Board-appointed Cybersecurity Strategy Task Force
- Member, Oil & Natural Gas Sector Coordinating Council (ONG SCC)
- Chair, ONG/Pipeline SCC Joint Cybersecurity Working Group
- Former Chair, ONG SCC Intelligence Sharing Task Group and ONG SCC Metrics Working Group

EDUCATION

- M.S., Environmental Engineering, University of Michigan, Ann Arbor
- B.S., Marine Biology, University of Florida, Gainesville



Andrew R. Fellon
President, Alliance Advisory Services

PROFESSIONAL EXPERIENCE

- Business Leader, Trane Energy Supply Services
- President & CEO, Constellation NewEnergy – Gas Division
- Partner/Co-Founder, Alliance Energy Services Partnership
- President and CEO/Co-Founder, Fellon-McCord & Associates, Inc.
- Senior Vice President, National Accounts, Centran Corporation

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Business Leader of Trane’s Energy Supply Services since the acquisition of Fellon-McCord & Associates, LLC (Fellon-McCord) by Trane U.S., Inc. in 2014
- Co-Founder/President/Owner of Fellon-McCord (1992) at which time the deregulation of the energy industry led end users to require assistance in navigating the global energy markets
- Co-founder/President/Partner of national natural gas marketing business, Alliance Gas Services, Inc. (AGS) (1993). Merged AGS with Conoco, Inc., (1995) creating Alliance Energy Services Partnership (Alliance). Alliance’s rapid growth drove its purchase by Allegheny Energy (2001), and then again by Constellation Energy Group (NYSE: CEG) (2003), becoming what is today Constellation NewEnergy-Gas Division (CNEG)

AFFILIATIONS AND AWARDS

- Past Chairman, Associate Member Committee, and Member, Finance Committee - The Aluminum Association
- Chairman, Audit Committee, and Member, Investment and Risk Committee - The American Life and Accident Insurance Company of Kentucky/Hardscuffle, Inc.
- Energy and Environmental Cabinet - Kentucky Chamber of Commerce
- Supply Chain Logistics Council - United Fresh Produce Association
- Advisor – Industrial Energy Consumers of America
- Chair, Audit Committee, Member of Board of Managers – Regency Properties, LLC

EDUCATION

- B.S., Industrial and Management Systems Engineering, Pennsylvania State University

Sari Fink

Senior Director, American Clean Power Association

PROFESSIONAL EXPERIENCE

- Senior Director, Electricity & Transmission Policy, American Clean Power Association
- Manager, Market Development, American Petroleum Institute
- Manager, Wholesale Market Development, Exelon
- Director, Market Development, America's Natural Gas Alliance
- Senior Regulatory Analyst, Ohio Consumers' Counsel
- Economist, Exeter Associates, Inc.
- Policy Advisor, British Columbia Ministry of Energy and Mines

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Manages ACP's advocacy and activities, on behalf of ACP members, within several of the nation's ISOs/RTOs. She serves as the subject matter expert on wholesale electricity market design issues and works collaboratively within and without ACP on advancing transmission development.
- Worked at the American Petroleum Institute managing electric industry issues for the natural gas sector
- Worked for the Ohio Consumers' Counsel as a subject matter expert on wholesale markets and renewable energy
- Consultant with Exeter Associates where she performed economic and policy analysis on energy issues on behalf of public sector clients

EDUCATION

- M.A., Economics, University of Victoria
- B.S., Economics, University of Victoria



Flora Flygt

Strategic Planning & Policy Advisor, American Transmission Company (retired)

PROFESSIONAL EXPERIENCE

- Strategic Planning and Policy Advisor, American Transmission Company
- Director of Planning, American Transmission Company
- Director of Corporate Research and Market Development, Alliant Energy
- Manager of Market and Competitive Research, Alliant Energy
- Principal—EnerPlan Energy Consulting
- Supervisor of Load Forecasting, Analyst, Madison Gas and Electric

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Retired electric utility professional with almost 35 years of experience in a variety of leadership and planning roles, with an emphasis on developing and implementing innovative analytical approaches to utility planning and research issues. Pioneered the implementation of econometric and end-use load forecasting, integrated resource planning, and use of scenarios in making electricity resource and transmission decisions.
- Areas of focus: transmission planning (reliability, economic and public policy), scenario development, integrated resource planning, energy efficiency and demand-side planning, stakeholder management, strategy development, corporate research and competitive analysis, and long-term load forecasting.

AFFILIATIONS AND AWARDS

- Eastern Interconnection Planning Collaborative
- Chair (2014–15), Industry Advisory Board—Power Systems Engineering Research Center (PSERC)
- Presented at and chaired many industry conferences

EDUCATION

- M.S., Land Resources, University of Wisconsin–Madison
- B.A., Economics, University of Michigan–Ann Arbor
- Master’s Certificate, Energy Analysis & Policy, University of Wisconsin–Madison



Lisa Frantzis

Partner in Energy, Sustainability, and Infrastructure, Guidehouse, Guidehouse

PROFESSIONAL EXPERIENCE

- Partner in Energy, Sustainability, and Infrastructure, Guidehouse
- Senior Managing Director, Advanced Energy Economy
- Managing Director, Navigant Consulting
- Director, Arthur D. Little

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Lisa Frantzis is a partner in Guidehouse's Energy, Sustainability and Infrastructure segment, responsible for decarbonization go to market initiatives such as clean hydrogen, e-mobility, and renewable energy solutions.
- Throughout her 40 years of consulting experience, she has determined clean energy integration options for utility companies; identified energy program options for international government agencies; developed business strategies for clean energy manufacturers; and conducted due diligence for financial firms considering clean energy investments.
- Most recently, she is leading Guidehouse's Hydrogen Consortium, Building the Clean Hydrogen Economy with over 20 companies working together to create and launch innovative pilot projects/hubs that use clean hydrogen to decarbonize heavy transport, increase renewables integration, and decrease emissions in the U.S. energy sector.
- Lisa was also a senior managing director at Advanced Energy Economy (AEE) from 2013 – 2022. She led AEE's Utility Advisory Committee, Campaigns and CEO Forums, which addressed business model reforms and regulatory changes needed to accelerate the transition to a 21st century electricity and transportation system. These initiatives convened utility executives, Public Utility Commissioners, and advanced energy companies to develop a vision for reform that is responsive to the needs of each state and drives towards concrete action.

AFFILIATIONS AND AWARDS

- Board of Directors, Northeast Clean Energy Council
- Board of Directors, LineVision
- Ambassador, U.S. Clean Energy, Education & Empowerment

- New England Women in Energy and the Environment, Leadership Award
- Board of Directors, American Council on Renewable Energy (prev.)
- Board of Directors, Smart Electric Power Alliance (prev. and formerly SEPA)
- Board of Directors, Solar Energy Business Association of New England (prev.)

EDUCATION

- B.A., New Emerging Technologies, Wesleyan University



Sheri Givens

Vice President, U.S. Regulatory & Customer Strategy, National Grid

PROFESSIONAL EXPERIENCE

- Vice President, US Regulatory and Customer Strategy, National Grid
- President, Givens Consulting LLC
- Public Counsel/Executive Director, Texas Office of Public Utility Counsel
- Assistant General Counsel, Office of General Counsel, Texas Workforce Commission
- Senior Attorney, Commission Advising and Policy Development, Public Utility Commission of Texas
- Texas Legislature, Various Roles

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Sheri leads National Grid's US regulatory strategy team providing insights and advice to its operating companies on clean energy policy and net zero advancement across Massachusetts, New York, and Rhode Island.
- Prior to joining National Grid, she ran a Texas-based energy consulting firm focused on utility consumer education and regulatory policy in energy markets nationwide, working with consumer advocate and nonprofit organizations, trade associations, governmental entities, and utilities. She also served as the Governor-appointed utility consumer advocate for the State of Texas representing residential and small business utility consumers before the utility commission, courts, and legislature while also serving on the Electric Reliability Council of Texas and Texas Reliability Entity Inc. Boards of Directors.

AFFILIATIONS AND AWARDS

- Northeast Energy Efficiency Partnerships, Board Member and Governance Committee Chair
- Boston Green Ribbon Commission, Member
- Utilities United Against Scams, Vice Chair and Executive Committee Member
- Association of Women in Energy, Director
- Northeast Clean Energy Council, Board Member (prev.)
- Electric Reliability Council of Texas, Board Member (prev.)
- Texas Reliability Entity Inc., Board Member (prev.)
- National Association of State Utility Consumer Advocates, Executive Committee (prev.)

EDUCATION

- J.D., University of Houston Law Center, Houston
- B.A., Government, University of Texas–Austin



Brian Harrell

Vice President and Chief Security Officer, AVANGRID

PROFESSIONAL EXPERIENCE

- Vice President and Chief Security Officer, AVANGRID
- Assistant Secretary for Infrastructure Protection, Department of Homeland Security
- Managing Director, Enterprise Security, Duke Energy
- Director of Security and Risk Management, Navigant Consulting
- Director of Electricity Information Sharing and Analysis Center

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Currently the Vice President and Chief Security Officer for AVANGRID where he is charged with leading the company's cybersecurity, physical security, privacy, and fire protections units.
- Appointed by the President of the United States to serve as the Assistant Secretary for Infrastructure Protection at the U.S. Department of Homeland Security.
- Former security executive at Duke Energy and the North American Electric Reliability Corporation (NERC). Recently recognized as Security Magazine's "Most Influential People in Security".

AFFILIATIONS AND AWARDS

- Recently recognized as Security Magazine's "Most Influential People in Security"
- Frequent lecturer at the Pennsylvania State University, George Washington University, University of Ottawa, and Auburn University
- Regular media interviews with the New York Times, NPR Radio, Wall Street Journal, Politico and other mainstream outlets
- Regular speaker at major national and international security related events

EDUCATION

- Master of Homeland Security, Pennsylvania State University
- M.A., Central Michigan University
- B.A., Hawaii Pacific University
- Certificate, US Naval Postgraduate School



Dave Herlong

Senior Director, Cyber Resiliency, NextEra Energy, Florida Power & Light Company

PROFESSIONAL EXPERIENCE

- Senior Director, Central Maintenance & Construction, Florida Power & Light Company
- Senior Director, Control Center and Smart Grid Operations, Florida Power & Light Company
- Director, Smart Grid and Innovation, Florida Power & Light Company

ENERGY EXPERIENCE

- Lead diverse team of large-scale, enterprise-wide grid resiliency efforts. Manage \$3B of annual capital investments to improve Florida's hurricane response efforts.
- Responsible for the safe, 24/7 emergency operations and restoration efforts for over 10 million people, including the intelligent ecosystem of smart grid devices and data.
- Create measurable business value to improve customer reliability and operations and maintenance efficiency. Drive value-capture by leveraging data and technologies in innovative ways through collaborative cross-functional teams.

AFFILIATIONS AND AWARDS

- Certified ASQ 6 sigma Black Belt
- 2X Florida Sterling Award Winner for Quality and Innovation
- 4X U.S. Patent Holder (089174, 084735, 083972 and 063048)

EDUCATION

- Executive Certificate, Strategy & Innovation, MIT Sloan School of Management
- B.S., Industrial & Systems Engineering, University of Florida
- United States Marine Corps Officer Candidate School



Phil Herman

Senior V.P., Energy and Infrastructure, Blink Charging

PROFESSIONAL EXPERIENCE

- Senior Vice President, Energy and Infrastructure, Blink Charging
- Principal, Herman Energy Group
- Vice President, Green Tower Solutions and Chief Energy Engineer, Panasonic

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Regarded by his peers as a renewable energy expert, Phil has made a name for himself by developing and implementing a wide range of alternative energy projects. He has held senior executive positions in large energy service companies, both utility-independent and utility owned.
- He has spent his exemplary 30-year career pursuing innovation in the engineering, construction and energy sectors as an engineer and entrepreneur. During the past 10 years Phil has turned his efforts to advanced energy systems including Lithium batteries, which brings a unique viewpoint of the energy and environmental sectors to Blink Charging.
- The Licensed Professional Engineer and LEED AP, currently serves as Blink Charging's Sr. Vice President of Energy & Infrastructure, focusing on Technology R&D, Product Development, Engineering, IT, Field Service and other related activities.

AFFILIATIONS AND AWARDS

- Licensed Professional Engineer
- LEED AP certification

EDUCATION

B.S., Mechanical Engineering, Washington University, St. Louis



Michael Heyeck
Founder, The Grid Group LLC

PROFESSIONAL EXPERIENCE

- Founder, The Grid Group LLC
- Senior Vice President—Transmission & Other Roles, American Electric Power (AEP)

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

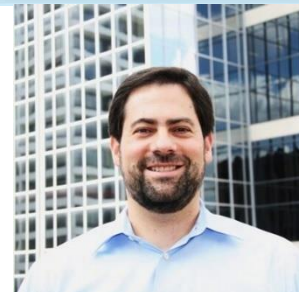
- Mr. Heyeck founded The Grid Group LLC in June 2013 to provide strategic advisory and business development services for executives and boards in the electric utility industry and associated industries, tapping over 40 years of industry experience. He retired in 2013 as Senior Vice President of Transmission for AEP. He was responsible for AEP's 11-state transmission system, including officer and board positions for several AEP affiliates. He also held leadership positions in AEP's Corporate Planning & Budgeting department. He joined AEP in 1976.

AFFILIATIONS AND AWARDS

- Board Member, Caravels LLC (dba Georgia Transformer Corp.)
- Board Member, Virginia Transformer Corp.
- Associate Board Member, Commonwealth Associates Inc.
- CIGRE VP Finance (International Treasurer), CIGRE US President, CIGRE Member
- Senior Member of the Institute of Electrical and Electronics Engineers (IEEE)
- Licensed Professional Engineer, State of Ohio
- IEEE Power & Energy Society—Leadership in Power Award (2013)
- National Society of Professional Engineers—Professional Engineers in Industry Engineer of the Year Award (2013)
- Westerville City Councilman, 1993 – Present

EDUCATION

- Executive Program, University of Virginia's Darden School, Charlottesville
- M.B.A., University of Dayton
- B.S., M.S., Electrical Engineering, New Jersey Institute of Technology, Newark



Mario Hurtado
Chief Regulatory Officer, Luma Energy LLC

PROFESSIONAL EXPERIENCE

- Chief Regulatory Officer, Luma Energy LLC
- Principal, Zua Consulting
- Co-Founder and Executive Vice President of Development, Clean Line Energy Partners
- Vice President, Americas, Globaleq
- Director, Acquisitions and Divestitures, Duke Energy

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Mario Hurtado is a senior executive leader of high growth energy and utility businesses with deep experience in U.S. and international markets. He is a leader for developing complex energy infrastructure projects (electric transmission, power generation and LNG) in diverse markets and regulatory environments. He's led multi-disciplinary and multi-country teams to achieve short- and long-term business objectives and has a proven ability to solve problems in corporate and entrepreneurial settings. Mr. Hurtado has negotiated project and transaction documents for successful energy investments in the US, Colombia, Brazil, Panama, El Salvador, Dominican Republic and other markets.
- Mr. Hurtado has the broad responsibility of regulatory functions for the operator of Puerto Rico's electric transmission and distribution system. This includes managing oversight including the department's areas power purchase administration, resource planning, non-environmental permitting, and land.

AFFILIATIONS AND AWARDS

- Speaker and panelist at numerous electric industry conferences.
- Board positions in investee companies.
- Former Board Member, Columbia University Alumni Club of South Texas.

EDUCATION

M.A., International Relations, SAIS, John's Hopkins University
B.A., Political Science, Columbia University



Lola Infante

**Executive Director, Government and External Affairs,
Electric Power Research Institute**

PROFESSIONAL EXPERIENCE

- Senior Advisor, External Relations and Strategic Initiatives, Electric Power Research Institute
- Senior Director, Clean Energy Technology and Policy, EEI
- Senior Director, Generation Fuels and Market Analysis, EEI
- Director, Generation Fuels and Market Analysis, EEI
- Manager, Generation Fuels and Market Analysis, EEI
- Senior Research Fellow, Center for the Advancement of Energy Markets
- Chief, Marketing, Analysis and Research, GAB Robins

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Led EEI's Storage and Microgrid Initiative. Dr. Infante's work provided the foundation and framework for establishing three additional focus areas for EEI—data analytics, data and distribution grid security, and electrification and smart cities.
- Extensive knowledge in the nexus of policy, industry, and technology, particularly in the areas of electricity generation (fossil as well as clean and alternative energy solutions), energy and environmental policy, corporate strategy and planning, evolving business models, and regulatory frameworks.

AFFILIATIONS AND AWARDS

- International Association for Energy Economics
- Women's Council on Energy and the Environment
- Power Gen International Conference Planning Committee
- Power Gen International Woman of the Year Committee—Founding member

EDUCATION

- Ph.D. with Distinction, International Relations/Political Economy, School of Advanced International Studies, Johns Hopkins University, Washington, DC
- M.A., Energy, Environment, Science and Technology, School of Advanced International Studies, Johns Hopkins University, Washington, DC
- DEA (M.A. Equivalent), International Economics and Finance, Universite de Paris IX, Paris, France
- B.A., Economics and Finance, Sciences-Po, Paris, France



Lynne Kiesling
Research Professor, College of Engineering, Design and Computing
University of Colorado – Denver

PROFESSIONAL EXPERIENCE

- Visiting Professor and Co-Director, Institute for Regulatory Law & Economics, Carnegie Mellon University
- President, Knowledge Problem, Inc.
- Visiting Associate Professor and Associate Director, Purdue University Research Center in Economics
- Associate Professor of Instruction, Economics, Northwestern University
- Research Fellow, Interdisciplinary Center for Economic Science, George Mason University

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Her research in transactive energy uses transaction cost economics to examine regulation, market design, and technology in the development of retail markets, products and services and the economics of smart grid technologies in the electricity industry.
- Her publications include journal articles, policy analyses, and *Deregulation, Innovation, and Market Liberalization: Electricity Regulation in a Continually Evolving Environment* (Routledge, 2008).
- As a noted expert in smart grid economics, regulatory and market design, and retail competition, Lynne speaks to various academic, industrial, and regulatory groups about regulatory policy, institutional change, and economic analysis of electric power market design
- In addition to her publications she has served as a peer reviewer for the U.S. Department of Energy and the National Science Foundation, and for academic journals including *Review of Economics and Statistics*, *Journal of Regulatory Economics*, *Energy Journal*, *Public Choice*, *Journal of Institutional Economics*, and *Energy Policy*.

AFFILIATIONS AND AWARDS

- Member, National Institute of Standards and Technology's Smart Grid Advisory Committee (2017-2019)
- Emerita Member, GridWise Architect Council

EDUCATION

- Ph.D. Economics, Northwestern University

- B.S. Economics, *cum laude*, Phi Beta Kappa, Miami University
- Leadership and Negotiation Academy for Women, Tepper School of Business, Carnegie Mellon University



Clay Koplin
CEO, Cordova Electric Cooperative

PROFESSIONAL EXPERIENCE

- CEO, Cordova Electric Cooperative
- Mayor, City of Cordova
- Manager of Engineering and Operations, Cordova Electric Cooperative
- Staff Engineer, Kodiak Electric Association

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Mr. Koplin became CEO for Cordova Electric Cooperative (CEC) in 2007. He manages the generation, transmission, and distribution of electricity to the community of Cordova, Alaska, an electrically isolated (island grid) utility. CEC is a leader in class, with a large renewable energy generation portfolio, 100% underground lines, 100% community LED street lighting, and affordable rates for its location.

AFFILIATIONS AND AWARDS

- State of Alaska Marine Transportation Advisory Board
- Prince William Sound Economic Development District Board
- Cordova Chamber of Commerce Board President
- Northwest Public Power Association Board of Trustees
- Alaska Statewide Electric Utility Manager's Forum Chairman
- Alaska Center for Energy and Power Advisory Board

EDUCATION

- M.B.A., Indiana University's Kelly School of Business, Bloomington
- B.S., Electrical Engineering, University of Alaska–Fairbanks

Robert M. Lee
CEO, Dragos



PROFESSIONAL EXPERIENCE

- Advisor, Resilient Energy Delivery Consortium
- Senior Instructor, SANS Institute

ENERGY EXPERIENCE

- Mr. Lee is a recognized pioneer in the industrial security incident response and threat intelligence community. He gained his start in security as a U.S. Air Force Cyber Warfare Operations Officer tasked to the National Security Agency where he built a first-of-its-kind mission identifying and analyzing national threats to industrial infrastructure. He went on to build the industrial community's first dedicated monitoring and incident response class at the SANS Institute (ICS515) and the industry-recognized cyber threat intelligence course (FOR578).
- Mr. Lee helped lead the investigation of the 2015 cyberattack on Ukraine's power grid. He and his team at Dragos helped identify and analyze the CRASHOVERRIDE malware that attacked Ukraine's grid in 2016 and the TRISIS malware deployed against an industrial safety system in the Middle East in 2017.

EDUCATION

- M.S., Cybersecurity, Computer Forensics, Utica College
- B.S., Social Sciences, United States Air Force Academy



Brian Lipscomb
CEO, Energy Keepers Inc.

PROFESSIONAL EXPERIENCE

- CEO, Energy Keepers Inc.
- Director, Confederated Salish Kootenai Tribes
- Executive Director, Columbia Basin Fish and Wildlife Authority

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Brian Lipscomb, an enrolled member of the Confederated Salish and Kootenai Tribes, has spent his career of over 30 years managing resources across the Northwest. Since 2012 he has been the CEO at SXʷNŌEʔELS L SUWÉČM / KSUKĒIĒMUMAĒ ʼA KĀĒMUKWAʼITS, Incorporated d/b/a ENERGY KEEPERS, Inc., a corporation of the Confederated Salish and Kootenai Tribes. As an Independent Power Producer with the Séliš Ksanka Qíispé Dam and power plant as its primary resource, EKI strives to serve wholesale electric customers across the west.
- Brian's career path includes time with the US Forest Service, the Confederated Salish and Kootenai Tribes, and as the Executive Director of Columbia Basin Fish and Wildlife Authority. His most enjoyed work has always been associated with the hydro power system of the Columbia Basin especially the Séliš Ksanka Qíispé Project, his degree in Civil Engineering from Montana State University has served him well in this passion.

AFFILIATIONS AND AWARDS

- Member, National Institute of Standards and Technology's Smart Grid Advisory Committee (2017-2019)
- Emerita Member, GridWise Architect Council
- Senior Fellow, Fraser Institute

EDUCATION

- B.S., Civil Engineering, Montana State University



Rep. Nicole Lowen
State Representative, Hawaii

PROFESSIONAL EXPERIENCE

- Hawaii State Representative, District 6 since 2012
- Chair, Hawaii State House Committee on Energy and Environmental Protection
- Current Member of the House Committee on Agriculture and Committee on Judiciary and Hawaiian Affairs
- Past Member, Committee on Water and Land, Committee on Finance, Committee on Ocean, Marine Resources and Hawaiian Affairs
- Committee Clerk/Legislative Researcher, Hawaii State Legislature
- Policy Researcher, University of Hawaii Dept. of Urban and Regional Planning
- Legislative Liaison, University of Hawaii Environmental Center

ENERGY EXPERIENCE

- As a member, and current chair of the Hawaii House committee on Energy and Environmental Protection for the past nine years, passed legislation, either as a co-sponsor or primary author, to establish Hawaii's 100% RPS law (the first of its kind in the Nation), to create a "Community Solar" program, to transition Hawaii's utilities to a performance-based ratemaking structure, to accelerate the electrification of transportation and build-out of electric vehicle infrastructure, to make Hawaii's grid more resilient, to increase energy efficiency, and to create a goal for a carbon-negative economy by 2045.
- Founded the Hawaii Environmental Legislative Caucus to facilitate collaboration between legislators, State agencies, and NGOs on Climate, Energy, and Environmental issue.
- Member of the Hawaii Climate Change Mitigation and Adaptation Commission
- Member of the Hawaii Energy Policy Forum
- Member of the Hawaii Invasive Species Council
- Member of the Hawaii Sea Grant Advisory Committee

EDUCATION

- MA, Urban Planning, University of Hawaii at Manoa
- Graduate Certificate, Disaster Management, UH Manoa
- Legislative Energy Horizon Institute, Energy Policy Planning Program, University of Idaho
- BA, US History, University of Pennsylvania



Monica Martinez

Owner and Principal, Ruben Strategy Group LLC

PROFESSIONAL EXPERIENCE

- Owner and Principal, Ruben Strategy Group LLC
- Commissioner, Michigan Public Service Commission
- Deputy Director, Legislative Affairs Division, Office of Governor Jennifer M. Granholm
- Senior Policy Advisor and Committee Analyst, Michigan Senate

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Monica Martinez is an executive with over 20 years of experience in government, regulatory, and non-profit relations. She has special expertise in organizational development and policy development with a demonstrated ability to lead regional multi-interest stakeholder efforts. Ms. Martinez is an effective speaker, consensus builder, and leader.
- She created Ruben Strategy Group as a boutique consulting practice focused on providing clients with strategic planning in the areas of non-profit growth, state policy, and regulation with a customer centric focus.
- During Ms. Martinez's time as a Commissioner of the MPSC, she examined cases and issued decisions in over 550 cases annually, including over \$1.5 billion in rate increase requests affecting natural gas, telecommunications, and electric services within the state. She also provided expert testimony on utility and financial matters before the MISO Board of Directors, State Legislature, and other forums, including Wall Street analyst and utility company investor meetings resulting in approval of major utility investment in the state and upward trend of regulatory rating.
- Among Ms. Martinez's many responsibilities in the Office of Governor Granholm, she advised the Governor and Lieutenant Governor on policy direction and political strategy on over 300 legislative bills, ranging from matters concerning taxation, education, public utilities, and human services.

AFFILIATIONS AND AWARDS

- Lake Trust Credit Union, Board of Director & Associate Board of Director
- American Council for an Energy-Efficient Economy
- Advancing Women in Energy, Co-Founder and President
- Hispanics in Energy, Co-Founder, Past President, Board of Director

EDUCATION

- M.B.A., Business Administration, University of Michigan
- B.A., Economics and Political Science, University of Michigan



Jessica O. Matthews
Founder and CEO, Uncharted Power

PROFESSIONAL EXPERIENCE

- Founder and CEO, Uncharted Power

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Jessica O. Matthews is the Founder & CEO of Uncharted Power, an award-winning, sustainable infrastructure company that transforms the ground beneath us into an industrial IoT platform for streamlined the integration, deployment, and management of critical infrastructure like power lines, broadband, sidewalks, and water pipes.
- Jessica’s success in entrepreneurship led to a White House invitation from President Barack Obama to represent small companies for the signing of the America Invents Act in 2012. In 2016, she raised what was at the time the largest Series A round ever raised by a black female founder in history, and was selected to ring the NASDAQ opening ceremony bell, representing all Forbes 30 Under 30 alumni
- Jessica’s research and career center around the intersection of disruptive technology, renewable energy, human behavior, and the psychology of self-actualization.

AFFILIATIONS AND AWARDS

- Advisory Board Member, The CLEEN Project
- Board Member, Scenic Hudson, Inc.
- Board Member, Women.NYC
- 2013 Innovator of the Year, Black Enterprise
- Forbes 30 Under 30, 2014
- Inc. 30 Under 30, 2016
- One Young World Entrepreneur of the Year, 2020

EDUCATION

- M.B.A., Impact Entrepreneurship, Harvard Business School
- B.A., Psychology and Economics, Harvard University



Samara Moore

**Security Assurance Senior Manager and Global Energy Specialist,
Amazon Web Services**

PROFESSIONAL EXPERIENCE

- Senior Manager, Security Assurance, Regulated Industries, Amazon Web Services
- Director, Cyber Strategy and Engagement, Exelon
- Senior IT and Cyber Security Policy Advisor, U.S. Department of Energy
- Director, Critical Infrastructure Cybersecurity, White House National Security Council

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Samara Moore leads the security and compliance program for the Americas region, including Power & Utilities, and global regulated industries program. As a thought leader and seasoned cybersecurity practitioner, she has focused her career on implementing and sustaining programs to effectively manage cyber risks and align security measures with business and IT strategies.
- Prior to joining AWS, Mrs. Moore managed enterprise security programs for regulated and non-regulated environments for a major energy provider. She also managed security programs within the federal government for over 10 years, including as a former Director of Critical Infrastructure Cybersecurity for the White House National Security Council and Senior Cybersecurity Advisor at the U.S. Department of Energy.
- Mrs. Moore has worked in security consulting, operations and policy, and led development of frameworks such as the Electricity Sector Cybersecurity Capability Maturity Model and supported the development of the NIST Cyber Security Framework.

EDUCATION

- Masters, Engineering Management and Systems Engineering – Information Security Management, George Washington University
- B.A., Accounting and Information Systems, Virginia Polytechnic Institute and State
- B.S., Electrical Engineering, University of Virginia



Jay Morrison

Chief Legal and External Affairs Officer, ElectriCities of NC, Inc.

PROFESSIONAL EXPERIENCE

- Vice President, Regulatory Issues, National Rural Electric Cooperative Association (NRECA)
- Senior Associate Director, Regulatory Counsel, NRECA
- Associate Director, Regulatory Counsel, NRECA
- Senior Regulatory Counsel, NRECA
- Regulatory Counsel, NRECA
- Associate, Paul, Hastings, Janofsky & Walker LLP
- Counsel, U.S. Senate Committee on Labor and Human Resources

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Mr. Morrison manages legal services, communications, government relations, and compliance as the Chief Legal and External Affairs Officer for ElectriCities of NC, Inc. ElectriCities operates the North Carolina Eastern Municipal Power Agency and the North Carolina Power Agency Number 1, which together provide wholesale power to over 1 million North Carolinians in more than 50 communities. ElectriCities also provides a range of communications, economic development, training, safety, and other services to more than 90 communities in North Carolina, South Carolina, and Virginia.
- Mr. Morrison formerly led the Regulatory Issues unit of NRECA's government relations department. There, he led a staff of professional advocates representing NRECA and its members on matters relating to federal and state utility regulation, power supply, and delivery. In his 22 years at NRECA, Mr. Morrison worked extensively on issues relating to wholesale market design, power supply and delivery, industry restructuring, renewable energy, energy efficiency, distributed generation, and the smart grid.

AFFILIATIONS AND AWARDS

- Energy Bar Association
- American Bar Association, Infrastructure and Regulated Industries Section
- American Bar Association, Section of Environment, Energy, and Resources, Energy Markets and Finance Committee
- Electric Cooperative Bar Association
- Lawrence Berkeley National Laboratory Future of Electric Utility Regulation Advisory Group
- Harvard Electricity Policy Group

EDUCATION

- J.D., Harvard Law School
- M.P.P., John F. Kennedy School of Government
- B.A., Political Science, University of California, Los Angeles



Richard Mroz
Managing Director, Resolute Strategies

PROFESSIONAL EXPERIENCE

- Managing Director, Resolute Strategies
- Commissioner, New Jersey Board of Public Utilities
- Managing Director, Archer Public Affairs in Trenton, NJ, and Of Counsel to Archer & Greiner P.C.

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Mr. Mroz was Commissioner of the New Jersey Board of Public Utilities (NJBPU). He was nominated to the position on September 18, 2014, and was confirmed by the state Senate on September 22, 2014. Commissioner Mroz was president of the NJBPU October 2014–January 2018, serving as chairman and chief administrative officer of the agency, and functioning as the chief energy officer for New Jersey.
- Mr. Mroz is a thought leader on regular issues of the Electricity Advisory Committee, including cybersecurity, workforce development, and infrastructure improvements in all industries.

AFFILIATIONS AND AWARDS

- Former Chair of the Critical Infrastructure Committee for the National Association of Regulatory Utility Commissioners (NARUC)
- Member of NARUC’s Subcommittee on Nuclear Issues and Nuclear Waste Disposal
- NARUC Board of Directors
- New Jersey’s Representative to the Organization of PJM States, Inc.
- Member, New Mexico State University Center for Public Utilities Advisory Council
- Member, Electric Power Research Institute (EPRI) Advisory Board

EDUCATION

- J.D., Villanova School of Law
- B.A., University of Delaware, Newark



Rep. Don Parsons
State Representative, Georgia

PROFESSIONAL EXPERIENCE

- Operations Manager, BellSouth
- First Sergeant, U.S. Army Reserve and Army National Guard

ENERGY EXPERIENCE

- Rep. Parsons was first elected to the House of Representatives in 1994. He is the chairman of the Energy, Utilities, and Telecommunications Committee. He also serves on the Health and Human Services, Appropriations, and Ways and Means committees.
- Rep. Parsons is a long-time member of the Marietta Kiwanis Club. He serves on numerous advisory boards including the Northwest Georgia Law Enforcement Academy Board, the Cobb County Library Foundation Board, the Cobb Community Service Board and the Cobb Safety Village Board. He is a Major in the Civil Air Patrol.

EDUCATION

- Bachelor's degree, West Virginia State University



Delia Patterson

**Senior Vice President of Advocacy and Communications and General Counsel,
American Public Power Association**

PROFESSIONAL EXPERIENCE

- Senior Vice President of Advocacy and Communications and General Counsel, American Public Power Association (APPA)
- General Counsel and VP, Regulatory Affairs, APPA
- Associate, Dewey & LeBoeuf LLP
- LT, United States Navy

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Ms. Patterson oversees APPA's regulatory, government relations, and communications functions. She helps with energy policy formulation and advocates before the Federal Energy Regulatory Commission (FERC), federal courts, and other energy policy forums.
- Before joining APPA, Ms. Patterson was a senior associate at a large law firm, where she represented energy companies in a broad range of matters.
- She also served six years as a commissioned officer in the U.S. Navy within the Naval Nuclear Propulsion Program.

AWARDS AND AFFILIATIONS

- Recognized by Trending 40 as one of Washington, DC's top 40 in-house lawyers for corporations and nonprofits.
- Board of Directors, Energy Bar Association
- Member, Lawrence Berkeley National Laboratory Future Electric Utility Regulation Advisory Group

EDUCATION

- J.D., Georgetown University Law Center
- M.S., Systems Engineering, Virginia Tech, Blacksburg
- Nonprofit Management Executive Certificate, Georgetown University
- B.S., United States Naval Academy, Annapolis



Darlene Phillips

Executive Director, Operations Engineering Support, PJM Interconnection

PROFESSIONAL EXPERIENCE

- Executive Director, Operations Engineering Support, PJM Interconnection
- Senior Director, State Government Policy, PJM Interconnection
- Director, Strategic Policy and External Affairs, PJM Interconnection
- Senior Director, Policy Issues Management, Communications, and External Training, MISO
- Manager, Energy Practice, BearingPoint Consulting
- Manager, National Energy Business Consulting Group

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Ms. Phillips leads the power systems modeling, Energy Management System Support, Energy Management System technology, and transmission services efforts supporting PJM control room operations. Her previous roles with PJM included, leading state government policy, regulatory, and legislative efforts, and driving strategic communication and outreach strategies on key industry matters.
- Prior to joining PJM, Ms. Phillips was on the senior leadership team in MISO's external affairs division. Leading the issues management, corporate communications, and external training departments, she was responsible for synthesizing MISO's complex business functions and strategies for decision-makers, driving media and other outreach strategies, and leading external education efforts.

AWARDS AND AFFILIATIONS

- Licensed attorney in Indiana
- Member, Indiana State and Energy Bar Associations
- Board Member, Snider Hockey

EDUCATION

- J.D., cum laude, Indiana University School of Law
- M.B.A., Stephen M. Ross School of Business, University of Michigan
- B.S.E, Electrical Engineering, University of Michigan



Wanda Reder

President and Chief Executive Officer, Grid-X Partners LLC

PROFESSIONAL EXPERIENCE

- President and Chief Executive Officer, Grid-X Partners LLC
- Chief Strategy Officer, S&C Electric Company
- Vice President, Power Systems Services, S&C Electric Company
- Vice President, Engineering and System Planning and Vice President of Asset Management, Exelon Energy Delivery
- Vice President of Engineering and Planning, ComEd
- Vice President–Energy, Davies Consulting
- Started and led Ultra Power Technologies Inc.

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Has served on the Institute of Electrical and Electronics Engineers (IEEE) Power & Energy Society (PES) governing board since 2002.
- Researched the maturing workforce of the power industry to prepare a roadmap for actions to be taken. In response to Ms. Reder's efforts, a Power & Energy Engineering Workforce Collaborative was initiated, and a career website for engineering students seeking employment in power and energy was developed.

AWARDS AND AFFILIATIONS

- President, IEEE Power & Energy Society (President-Elect in 2006 and 2007, President in 2008 and 2009, and Past President in 2010 and 2011)
- Fellow, IEEE

EDUCATION

- M.B.A., College of St. Thomas, St. Paul, MN
- B.S.A.E., South Dakota State University, Brookings



Dr. Paul Stockton
President, Paul N Stockton LLC

PROFESSIONAL EXPERIENCE

- Assistant Secretary of Defense for Homeland Defense and Americas' Security Affairs, U.S. Department of Defense
- Member, Science and Technology Committee, Battelle Energy Alliance
- Senior Fellow, The Johns Hopkins University Applied Physics Laboratory

ENERGY EXPERIENCE

- As Assistant Secretary of Defense, Dr. Stockton was responsible for Department of Defense (DOD) initiatives to strengthen security in the Western hemisphere and help partner nations build their capacities to meet emerging security challenges. He also guided the Defense Critical Infrastructure Protection program, served as DOD's domestic crisis manager, and helped lead the Department's response to Hurricane Sandy, Deepwater Horizon, and other disasters.
- From 2010 until January 2013, Dr. Stockton served as Executive Director of the Council of Governors, where he helped governors, the National Guard, the DOD, the Department of Homeland Security, and FEMA adopt initiatives to strengthen federal–state collaboration and unity of effort. These initiatives were codified into law in the National Defense Authorization Act of 2012, Section 515.

EDUCATION

- Ph.D., Government, Harvard University
- B.A., Dartmouth College



Ramya Swaminathan
CEO, Malta Inc.

PROFESSIONAL EXPERIENCE

- CEO, Malta Inc.
- CEO, Rye Development
- Chief Operating Officer, Free Flow Power Corporation
- Director, UBS Investment Bank

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

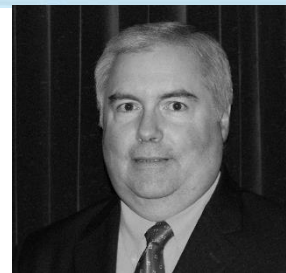
- Ms. Swaminathan led the spin-out of Malta from X, Alphabet's Moonshot Factory, in 2018 and has led the company since its founding, having raised multiple rounds of corporate venture funding. She has recruited a multi-disciplinary team focused on commercializing Malta's thermal storage technology.
- Previously, she was the CEO of Rye Development, a hydropower firm that she grew to be the leading developer of new hydropower projects in the United States.
- She was also responsible for the expansion of Rye's platform into energy storage, with the addition of two sizable pumped hydro storage development projects in the Pacific Northwest.
- Prior to her work in the hydropower space, Ms. Swaminathan was a public finance banker, most recently as a Director at UBS, where she focused on public power clients and senior managed more than \$10 billion in financings

AFFILIATIONS AND AWARDS

- US Department of Commerce, Renewable Energy and Energy Efficiency Advisory Committee (REEEAC), Member
- US Department of Energy, C3E, Ambassador
- Energy Storage Canada, Board Member
- Business Insider, 21 Rising Starts in Clean Energy, 2020

EDUCATION

- M.P.P., Public Policy, Harvard University Kennedy School of Government
- B.A., Anthropology, Amherst College



Tom Weaver

Manager, Distribution System Planning, American Electric Power – Retired

PROFESSIONAL EXPERIENCE

- Manager, Distribution System Planning, American Electric Power (AEP) - Retired
- Various roles in Transmission and Distribution, Engineering, Metering, Communications, Customer Services, and Line Supervision, Kentucky Power Company, AEP

ENERGY OR ENERGY MANAGEMENT EXPERIENCE

- Mr. Weaver was with AEP for 42 years. His first 23 years were at Kentucky Power Company, where he worked in T&D engineering, metering, communications, customer service, and line supervision positions. In 2000, he transferred to the AEP Service Corporation in the distribution planning function. As manager of distribution system planning, Mr. Weaver had responsibility for system planning, network planning and engineering, and grid management deployment. He was actively involved in developing and applying deployment plans for Smart Grid Technologies on the AEP distribution system since 2005.

AFFILIATIONS AND AWARDS

- Member, Institute of Electrical and Electronics Engineers
- Previous Advisor, Distribution Programs, EPRI
- Previous Chair, Distribution System Subcommittee, EEI
- Licensed Professional Engineer - Kentucky

EDUCATION

- M.B.A., Morehead State University, KY
- B.S., Electrical Engineering, West Virginia University, Morgantown