

2018 NASUCA Mid-Year Meeting – Minneapolis, Minnesota

Speaker and Moderator Bios



Paul G. Afonso
Partner, Brown Rudnick, LLC

Paul Afonso is Co-Practice Leader of the Firm's Energy, Utilities and Environmental Group, and also leads the Boston Government Law and Strategies Group. With 20 years of energy, legislative and regulatory experience and a strong background in international trade law, Paul is noted for his expertise in regulatory policies and legislation related to electricity, gas, water, cable television, telecommunications, pipeline engineering and safety, railway, trucking and bus services.

Paul served as Chairman of the Massachusetts Department of Telecommunications and Energy (DTE) from 2003 to 2005, and remained on the DTE board as a commissioner until joining Brown Rudnick in June 2006. While at the DTE, Paul also served as Chairman of the Energy Facilities Siting Board, the agency charged with reviewing major generation, electric transmission, gas storage facilities and certain gas pipelines. This agency also represents the Commonwealth before the Federal Energy Regulatory Commission (FERC) on projects within Massachusetts that are subject to that agency's jurisdiction. As Chairman, he oversaw the review of a key petition for the Cape Wind project, the nation's first major off-shore wind project. He also led the review of a major infrastructure project with a 345 kV electric transmission line into the greater Boston area.

Paul is also the former General Counsel for the Massachusetts DTE, where he acted as chief legal and policy advisor to the chairman and commissioners. In this role, he helped oversee state regulatory policies, governing rates and quality of service for electric generation, gas supply, telecommunications, cable television and transportation. Complementing his background in state matters, Paul brings extensive experience in federal regulatory issues. He has served as legislative liaison to federal regulatory agencies, including the Federal Communications Commission (FCC) and Federal Energy Regulatory Commission (FERC). Assisting the Office of the Attorney General, he has also defended DTE orders on appeal before the Supreme Judicial Court and federal courts.

Prior to joining the DTE, Paul was in private practice and served as General Counsel to The Bristol Group, Inc. in Washington D.C. He practiced in the areas of commercial and international trade law with an emphasis on joint venture projects, trade litigation and legislative counseling. He represented both domestic and multinational clients before administrative agencies, federal and state courts as well as before the legislative and executive branches of government. Paul is fluent in Portuguese and is actively involved in the Portuguese community.



Dr. Massoud Amin
Director, Technical Leadership Institute, Professor of Electrical and Computer Engineering, University of Minnesota

Dr. Massoud Amin, IEEE Fellow, is Director of the Technological Leadership Institute (TLI.umn.edu). He holds the Honeywell/H.W. Sweatt Chair, is a professor of electrical & computer engineering (ECE), and a University Distinguished Teaching Professor Award Recipient at the University of Minnesota. He is Chairman of the IEEE Smart Grid, a Fellow of ASME and, from June 2010 to August 2017, was a member of the Texas Reliability Entity (as board chairman), a utility industry regional entity that

oversees reliability. From January 2013 to August 2017, he also served as a board member of the Midwest Reliability Organization.

Before joining the University of Minnesota in March 2003, Dr. Amin was with the Electric Power Research Institute (EPRI) in Palo Alto, Calif. He pioneered R&D in smart grids in 1998, and led the development of 24 technologies that transferred to industry. After 9/11, he directed all security-related R&D for U.S. utilities. He has led research, development, and deployment of smart grids, and the enhancement of critical infrastructures' security during this period. He is considered the father of the smart grid (<https://tli.umn.edu/tli-blog/inspiration-behind-smart-grid-series-defining-moments>).

At EPRI he received several awards including six EPRI Performance Recognition Awards for leadership in three areas, the 2002 President's Award for the Infrastructure Security Initiative, and twice received the Chauncey Award, the Institute's highest honor.

He has been recognized by his alma maters, receiving the 2011 Distinguished Alumni Achievement Award at Washington University, and the 2013 Outstanding Senior Alumni Award at the University of Massachusetts. He was the inaugural Thought Leader of the Year, Energy Thought Summit 2015 (ETS '15); inducted into the University of Minnesota's Academy of Distinguished Teachers (2008); President's Award for the Infrastructure Security Initiative, EPRI (2002) twice – received the Chauncey Award, EPRI; Professor of the Year, Washington University in St. Louis (1992-1995). He is the author of more than 200 peer-reviewed publications, editor of seven collections of manuscripts, and served on the editorial boards of six academic journals.

Dr. Amin's professional contributions have primarily been in three areas:

- 1 defense networks, combat & logistics systems – C4I (1982-1997)
- 2 modernization, efficiency, security & resilience of interdependent national critical infrastructures, including power, energy, communications, finance, and transportation (1997-present), and
- 3 technology/business/policy foresight & strategy (1997-present).

Dr. Amin holds B.S. (cum laude), and M.S. degrees in electrical and computer engineering from the University of Massachusetts-Amherst, and M.S. and D.Sc. degrees in systems science and mathematics from Washington University in St. Louis, Missouri. In summary, Dr. Amin has made transformative contributions in the areas of defense, critical infrastructures, technology, policy, and business. His passion is developing leaders and powering progress.



Sara Baldwin Auck

Director, Regulatory Program, Interstate Renewable Energy Council

As the Director of IREC's Regulatory Program, Sara Baldwin Auck develops and oversees IREC's national regulatory engagement strategy on distributed energy resource policies, in coordination with IREC's Regulatory Team. Sara is a co-author of IREC's *Charging Ahead: An Energy Storage Guide for State Policymakers* and led the development of the first-of-its-kind *National Scorecard for State Shared Renewable*

Energy. On behalf of IREC, Sara serves on the Advisory Board of Grid Lab and on the Technical Team for the US DOE SunShot Solar Market Pathways initiative. Prior to joining IREC, Sara was a Senior Policy Associate for Utah Clean Energy, where she directed and implemented strategic clean energy policy and regulatory efforts in Utah and served on the Utah Governor's 10-Year Energy Initiative, Energy & Environment Subcommittee. Sara was named an "Innovator and Influencer" by Solar Power World in 2017 and one of "Utah's Enlightened 50" by the Community Foundation of Utah in 2012.



Jordan Bakke
Manager, Policy Studies, Midcontinent Independent System Operator

Jordan Bakke is the manager of Policy Studies within MISO focusing on how public policy and changing economic conditions impacts energy and gas systems for the MISO footprint. He received a B.S. degree in Electrical Engineering at North Dakota State University and an MBA from the University of St. Thomas. He has held many roles at MISO working in resource forecasting, transmission planning and renewable integration. His current work deals with understanding the impacts of the evolving

power system.



Ryan Barlow
Assistant Attorney General, Minnesota Office of Attorney General

Ryan has been a Minnesota Assistant Attorney General in the Residential Utilities and Antitrust Division since 2013. In that time, Ryan has advocated for the interests of residential and small business customers in more than a dozen contested utility cases, including electric and natural gas rate cases, nuclear cost reviews, and pipeline cost recovery proposals. Ryan has also worked on many other utility proceedings, including rider recovery filings, grid modernization proposals, community solar garden program design, utility merger designs, and telecom service quality rulemaking dockets. Ryan holds undergraduate degrees in Political Science and Economics from the University of Wisconsin – Madison, and a JD from the University of Minnesota



Michele Beck
Director, Utah Office of Consumer Services

Michele Beck has served as Director of the Utah Office of Consumer Services since January 2007. In this position, she represents and advocates on behalf of Utah's residential, small commercial, and irrigator consumers of public utilities. Ms. Beck also represents the end-use sector as a Class 4 representative to the Member Advisory Committee of the Western Electricity Coordinating Council (WECC.) Ms. Beck has been a member of the Executive Committee of the National Association of State Utility Consumer Advocates since 2009, and is a previous treasurer of that organization. Previous to her work as the consumer advocate in Utah, Ms. Beck worked for over a decade in various positions in the electric industry. Ms. Beck received her

undergraduate degree from Brigham Young University, where she studied political science and economics, and pursued graduate studies in applied economics at the University of Minnesota.



Katie Bell
Senior Policy Director, Tesla

Katie has worked for Tesla for six years on a broad spectrum of efforts, which range from deploying renewable generation, to supporting business development, to assisting in utility regulatory filings that are pertinent to Tesla's products and services. Katie is a part of Tesla's business development and policy team where she specializes and focuses on supporting regulatory initiatives across the nation that impact customer adoptions of electric vehicles, energy storage, and solar. Katie designs, analyzes and advocates for various DER policies not including net metering reform initiatives, Renewable Portfolio Standards implementation, DER incentive and rate design, and

electric vehicle infrastructure programs.



Richard Berkley, Esq.
Executive Director, New York's Utility Project

Richard A. Berkley, Esq. is the Executive Director of New York's Utility Project. Previously Mr. Berkley was Chief of Staff and Counsel to Senator Kevin Parker of the New York State Senate, and before that he was Director of the Senate Committee on Energy and Telecommunications. He was Counsel to Assemblyman Richard Brodsky, Chair of the Committee on Corporations, Authorities and Commissions, and served as Information Technology Attorney and Assistant Counsel for the State Office of Children and Family Services. He was also Telecommunications and Cable Franchise Counsel for the City of New York, and worked at the State of Wisconsin's Public Service Commission while in law school. He is a member of the bar of the State of New York and the State of New Jersey. He received his Juris Doctorate from the University of Wisconsin, master's of arts from New York University, and bachelor's of arts from Fordham University-College at Lincoln Center.



Stefanie A. Brand
Director, New Jersey Division of Rate Counsel

Stefanie A. Brand serves as the Director for the Division of Rate Counsel, a position she has held since October 1, 2007. The Division of Rate Counsel represents the interests of consumers of regulated electric, natural gas, water/sewer, telecommunications, cable TV service, and insurance (residential, small business, commercial and industrial customers).

Rate Counsel's mission is to make sure that all classes of utility consumers receive safe, adequate and proper utility service at affordable rates that are just and nondiscriminatory. Rate Counsel is a member of several state utility policy making groups and also represents consumers in setting energy and telecommunications policy that will affect the provision of services into the future. The New Jersey

Legislature charged Rate Counsel with being "devoted to the maximum extent possible to ensuring adequate representation of the interest of those consumers whose interest would otherwise be inadequately represented in matters within the jurisdiction of the Division of Rate Counsel." The Division's website is

<http://www.state.nj.us/rpa/>

Prior to joining Rate Counsel, Stefanie was the Assistant Attorney General in Charge of Litigation for the Division of Law within the Department of Law and Public Safety. In this position she oversaw all civil litigation for the state. Her tenure with the Division of Law included work on a variety of issues such as child welfare, environmental regulation, human services, employment and tort law.

Stefanie brings over 25 years of legal experience to the Division. She has spent over 20 years advocating on behalf of the people of New Jersey. After 5 years in private practice, she joined the Division of Law in 1992. She worked as a Deputy Attorney General for 10 years, focusing on solid waste, environmental cases and federal litigation. In 2002, Stefanie was named Deputy Attorney General in Charge of Litigation and in 2003, she was named Assistant Attorney General. Stefanie graduated from Columbia University School of Law in 1986, and clerked for Associate Justice Gary Stein of the New Jersey State Supreme Court.



Scott B. Brockett
Director, Regulatory Administration, Xcel Energy

Scott assumed his current role with Xcel Energy as Director, Regulatory Administration in 2008. Prior to that he was a Manager, Gas Pricing and Planning for Xcel. During his tenure with Xcel Energy Scott has testified in numerous proceedings involving ratemaking policy, financial and cost recovery issues, rate design, Demand Side Management, distributed generation, the terms and conditions of service, and revenue decoupling.

Prior to joining Xcel Energy in 2004, Scott was employed by Consumers Energy (1999 to July 2004) as Supervisor of Pricing and Revenue Forecasting. Scott's primary responsibilities included developing prices for electric and natural gas services, evaluating the impact of Michigan's electric open-access program, forecasting natural gas and electric revenue and managing Consumers' voluntary Green Power Pilot Program.

Prior to joining Consumers energy, Scott was employed with the Minnesota Department of Public Service, a state agency charged with developing energy policy and representing all customers in utility matters before the Minnesota Public Utilities Commission. Scott held various positions of increasing responsibility for the Department, and testified on a number of different resource planning, demand-side management, rate design, service quality and financial issues.

Scott graduated from Otterbein College in 1980 with a Bachelor of Arts degree in English and Economics. I graduated from Miami University (Ohio) in 1981 with a Masters of Arts degree in Economics.



Michael Bryson
Vice President, Operations, PJM Interconnection

Mr. Bryson is responsible for PJM's Operations Division, including 24x7 transmission operations for real time systems to include scheduling, transmission dispatch and generation dispatch, reliability coordination, and training, as well as the engineering analysis required to run the system and support the critical energy management systems.

Mr. Bryson had nearly 10 years of military experience as a pilot. His responsibilities in the United States Army included operations planning and support, supervision and training of pilots and mechanics, and training and maintenance of tactical computer systems. He was awarded the Bronze Star for Combat Service in Desert Storm.



John B. Coffman
Principal, John B. Coffman, LLC (on behalf of AARP)

On behalf of AARP and other consumer organizations, Coffman has served as an attorney and utility rate expert in several states (including Arizona, New York, Colorado, Missouri, Illinois, New Jersey, Georgia, Alabama, Florida, North Carolina, South Carolina, North Dakota, Minnesota, and in the City of Austin, Texas), advocating for residential energy consumers.

Coffman began his utility-related career at the Missouri Office of the Public Counsel (OPC) in 1989. From 2002 – 2005, he served as director of that state agency, as well as serving as Vice-President of NASUCA.

Coffman also served on the City Council for Columbia, Missouri from 1997-2003. During his terms, he focused on issues involving the Columbia Water & Light Board, and also served as Chair of the Columbia Cable Committee.

After his city council service, Coffman drafted Missouri's first renewable energy standard, which was adopted by initiative petition in the City of Columbia. The renewable energy ordinance incorporates ratepayer protections, including a 3% rate cap. The initiative won approval by 78% of the voters during the November 2004 election.

From 2011-2017, Coffman taught "Energy Utility Law" as an adjunct professor for Washington University School of Law in St. Louis. He earned his law degree from the University of Missouri in Columbia, MO.



Thomas Coleman
Director, Reliability Assessments, NERC

Thomas Coleman is Director of Reliability Assessments at NERC. He works with industry and stakeholders to assess, report on, and provide recommendations to ensure the reliability of the North American Bulk Power System. Mr. Coleman leads the efforts around NERC's Annual Long Term Reliability Assessment as well as seasonal assessments and special assessments concerning emerging Bulk Power System reliability issues. Mr. Coleman joined NERC in 2014. Prior to joining NERC Mr. Coleman traded power and natural gas commodities and directed long term origination at JP Morgan and Williams Energy. He holds a Bachelor of Science degree from the University of Florida and his MBA from Vanderbilt University.



Regina Costa
Telecommunications Policy Director, The Utility Reform Network

Regina Costa joined TURN in August 1991. She is responsible for developing TURN's policy on regulatory, economic and public policy aspects of telecommunications issues and participates heavily TURN's legal work in telecommunications as well. She chairs the Telecommunications Committee of the National Association of State Utility Consumer Advocates (NASUCA) and is involved in preparing NASUCA's comments on many national telecommunications issues including the IP transition, network reliability, high cost fund support and open networks.

Prior to joining TURN, Costa was a policy research specialist for the state of Washington Utilities and Transportation Commission. She also worked for MCI as an analyst helping to prepare a major telecommunications anti-trust lawsuit and served as a consultant to the British Columbia Public Interest Advocacy Center in Vancouver, BC. Costa received an undergraduate degree and a master's degree, both in communication, from Simon Fraser University. Costa is a native of Salinas, CA.



Joe Dammel
Assistant Attorney General, Minnesota Office of Attorney General

Joe Dammel has been an Assistant Attorney General with the Minnesota Attorney General's Office since 2015. Before joining the Office, Joe worked in the regulatory division of a natural gas utility. Joe received a J.D. from the University of Minnesota Law School and an M.S. in science, technology, and environmental policy from the Humphrey School of Public Affairs in 2013. Joe received a B.S. in environmental engineering from Michigan Technological University in 2008.



Deana Dennis

Senior Manager of Government & External Relations, Electric Power Research Institute (EPRI)

Ms. Dennis is Senior Manager of Government & External Relations for the Electric Power Research Institute (EPRI), an independent, nonprofit organization performing research and development across the electric power sector for the benefit of the public. Ms. Dennis joined EPRI in 2015, and is responsible for leading EPRI's outreach to the state governments including public utility commissions, legislatures, governors, energy offices, consumer advocates, and energy trade associations

Prior to joining EPRI, Ms. Dennis led the state government affairs program for the National Electrical Manufacturers Association (NEMA). At NEMA, Ms. Dennis advocated on issues impacting the electro-manufacturing industry including grid modernization, energy efficiency, electric transportation, and building design standards. She has testified before state legislatures in California and North Carolina and has participated in state PUC proceedings in California, Illinois, Massachusetts, Minnesota, and New York. Ms. Dennis began her career in the energy policy industry as policy associate at the National Association of Regulatory Utility Commissioners. Ms. Dennis earned Bachelor's degree in Government from St. Lawrence University and participated in American University's Washington Semester Program.



Ian Dobson

Assistant Attorney General, Minnesota Office of Attorney General

Ian Dobson has spent eleven years as an Assistant Attorney General for the Office of the Minnesota Attorney General, working on residential utility and consumer protection matters. Before joining the Attorney General's Office, Ian was a law clerk to United States District Judge Richard H. Kyle of the District of Minnesota. Ian received his J.D. in 2003 from the University of St. Thomas School of Law in Minneapolis and his B.A. in 1999 from Concordia College in Moorhead, Minnesota.



Bryce Freeman

Administrator, Wyoming Office of Consumer Advocate

Appointed in May of 2003, Bryce Freeman currently serves as Administrator of the Wyoming Office of Consumer Advocate. The OCA provides independent representation of utility customers in contested cases before the Wyoming Public Service Commission.

Prior to being appointed to his current position, Bryce was on the staff of the Wyoming Public Service Commission for approximately nine years. Prior to his time at the Public Service Commission Bryce served as a Principal Appraiser in the utility valuation section of the Wyoming Department of Revenue and served as Assistant Deputy Treasurer in Laramie County. Bryce has also been, and continues to be, heavily involved in regulatory and energy policy development on behalf of Wyoming consumers, including appointment to the Western Electric Coordinating Council's Reliability Assessment Committee and Chair of the Scenario Development Subcommittee, as well as active participation in the Committee on Regional Electric Power Cooperation. Bryce also served as Secretary of the Wyoming Infrastructure Authority for ten years with his most recent term ending in March of 2014. Bryce and his wife Pam make their home outside of Cheyenne and have three grown children.



Lavelle A. Freeman

Technical Director, General Electric Energy Consulting

Mr. Freeman is a Technical Director in GE's Energy Consulting group in Schenectady, NY. In this role, he leads activities related to distribution planning, engineering, systems analysis, DER/microgrid applications, and grid modernization. He also manages the DSTAR consortium (Distribution System Testing, Application and Research, www.dstar.org), a group of utilities in North America that fund distribution R&D of common interest. Previously Mr. Freeman spent several years in R&D and systems consulting at ABB in Raleigh, NC. He has an M.S. in Power Engineering from the University of North Carolina at Charlotte, and an M.S. in Computer Engineering from

NC State University.



Marissa Paslick Gillett, esq.

Vice President, External Relations, Energy Storage Association (ESA)

Marissa is responsible for providing the strategic vision and leadership regarding ESA's overall brand, as well as providing leadership of the events, marketing, and communications teams. Previously, Marissa served as the Senior Advisor to the Chairman of the Maryland Public Service Commission, providing legal, policy, and technical support to the chairman and other commissioners. In her role at the Maryland Commission, Marissa advised on matters such as: the State's participation in the Regional Greenhouse Gas Initiative; the implementation of the Maryland Offshore Wind Energy Act; and the advancement of non-wires alternatives in energy sector planning. Marissa also chaired the Maryland Commission's electric vehicle work group, initiated as part of the Maryland grid modernization proceeding. Marissa holds a B.S. in

Bioengineering from Clemson University, and a J.D. from the University of Baltimore School of Law.



Sheri Givens

President, Givens Consulting LLC

Sheri Givens is President of Givens Energy, an Austin, Texas-based consulting, education, and advocacy firm advising on utility issues nationwide. Her professional experience includes nearly twenty years in legal, regulatory, legislative, and external affairs. Sheri was recently appointed as the Executive Director of Utilities United Against Scams, a consortium of 100-plus North American electric, gas, and water companies with a mission to combat scams by providing a forum for companies and associations to share data and best practices working together to implement initiatives to inform and protect customers. She also authored a utility consumer scam awareness and education guide

supported by five utility trade associations.

From 2009 to 2013, Sheri was twice appointed by the Texas Governor, and confirmed by the Texas Senate, to lead the Texas Office of Public Utility Counsel, the state's consumer advocacy agency for residential and small business utility customers representing the state's 20 million-plus consumers. Sheri was known for directing her state agency in active consumer education initiatives statewide through in-person outreach, publications, and social media during her tenure. In 2014, she received the Citation for Exceptional Service in Support of National Defense from the Association of the United States Army for founding her prior agency's military outreach

program. She served on the Electric Reliability Council of Texas and the Texas Reliability Entity Inc. Boards of Directors and the Executive Committee of the National Association of State Utility Consumer Advocates. She currently serves on the Association of Women in Energy Board of Directors. Sheri received a Bachelor of Arts Degree in government from the University of Texas at Austin and a Doctor of Jurisprudence from the University of Houston Law Center. She is a member of the State Bar of Texas.



Charlie Harak
Senior Attorney, National Consumer Law Center (NCLC)

Charlie Harak is senior attorney for energy and utilities issues. He represents consumers before regulatory agencies, testifies at legislative hearings, and provides legal and policy counsel to low-income advocates, legal services lawyers, and government officials. He also devotes much of his time to training lawyers, advocates, and front-line social services staff regarding the rights of utility customers, and contributes to [NCLC manuals and publications](#). Much of his work also focuses on energy efficiency issues, including federal appliance efficiency standards and advocating for larger and smarter energy efficiency investments in affordable multifamily housing, and climate change.



Amy Heart
Director of Public Policy, Attorney, Sunrun, Inc.

Amy Heart is Director of Public Policy and Attorney with Sunrun. Sunrun is the nation's largest residential solar company, serving 23 states, with over 180,000 customers. Based in Milwaukee, Amy leads Sunrun's rooftop solar policy efforts for the Midwest and Texas. Prior to joining Sunrun in 2014, Amy had worked with City of Milwaukee's Office of Sustainability and the Midwest Renewable Energy Association. She currently serves as Board of Directors President for RENEW Wisconsin. She is a graduate of UW-Stevens Point and Marquette University Law School. You can find Amy on twitter @theamyheart.



John Howat
Senior Energy Analyst, National Consumer Law Center (NCLC)

John Howat has been involved with energy programs and policy issues since 1981. Areas of expertise include: design and analysis of low income energy affordability and efficiency programs, low-income utility consumer protection, energy expenditure and burden analysis, prepayment and advanced metering, utility credit reporting and utilization of credit scores, development and analysis of utility arrearage and customer service data, analysis of program participation and outreach efforts, and utility rate design. Currently at National Consumer Law Center, John represents public and private, non-profit organizations in proceedings before state utility regulatory commissions and manages a range of regulatory, legislative and non-governmental projects across the country in support of low-income consumers' access to affordable utility and energy-related services. See NCLC's [Access to Utility Service](#).



Lon Huber
Strategen Consulting, LLC

Lon Huber leads Strategen's private sector consulting practice. In this capacity, he is involved in numerous public proceedings across the US, covering such topics as grid modernization, rate design, community solar, energy storage policy, and DER market reform. Mr. Huber provides independent analysis, strategy, and policy solutions to help solve some of the energy sector's most pressing issues. He is frequently cited in trade press and speaks regularly at policy forums across the US. Regarding energy storage specifically, Lon has received recognition for his work advancing all-source RFPs, advanced rate design and RPS modernization.

Prior to joining Strategen, Lon worked for the consumer advocate office in Arizona where he was the staff lead on key issues facing the electric utilities in the state. In this position, he shaped high profile decisions around net metering, resource procurement, and utility owned distributed generation. Lon got his start in academia at an energy focused research institute. He received a congressional recognition award for his work in solar energy and earned a Bachelor of Science degree in Public Policy and Management and a Master's of Business Administration from the University of Arizona.



Hannah Hunt
Deputy Director, Electricity Policy & Demand, at the American Wind Energy Association (AWEA)

Hannah performs policy and market analysis on the U.S. wind industry, identifying emerging opportunities to increase wind demand through utility engagement, corporate procurement, electrification, and carbon policy. Prior to joining AWEA, Hannah earned her Masters of Public Affairs in Energy and Policy Analysis from the Indiana University Bloomington School of Public and Environmental Affairs (SPEA). She previously held positions in the Renewables Division at the Tennessee Valley Authority (TVA) and the Government Accountability Office (GAO).



Philip B. Jones
President, Phil Jones Consulting and Executive Director, Alliance for Transportation Electrification (ATE)

Philip Jones is currently President of Phil Jones Consulting LLC based in Seattle, Washington, that provides expert advice and consulting services for organizations in the fields of energy and utility regulation, communications regulation, and cybersecurity compliance and regulation. He is continuing to work in the fields of market development and potential independent system operators (ISO's) in the Western States, as well as in EV (electric vehicle) infrastructure and distributed energy resources. He provides advice at the C-Suite level to utilities and organizations in assessing the future viability of utility regulation given the changing dynamics in the

regulated electricity and natural gas industries.

Mr. Jones currently serves as Executive Director of the Alliance for Transportation Electrification (ATE), which is a recently established industry-funded non-profit association that seeks to promote the acceleration of transportation electrification deployments, a robust utility role, and interoperability and open standards. Mr. Jones serves as a Director of the Western Grid Group which advocates for clean energy resources and an efficient transmission grid in the Western States. He also serves as a Board Advisor to Energy Impact Partners (EIP), based in New York City, which is a private equity infrastructure fund comprised of major utility investors that seeks

to invest in innovative young technology companies focused on the energy sector. He also serves on the non-profit Boards of Directors of Carbon WA and Climate Solutions.

Commissioner Jones served on the Washington Utilities and Transportation Commission (UTC) from March, 2005 to March, 2017 for a total of twelve years, or two six-year terms. He served as President of NARUC (National Association of Regulatory Utility Commissioners) in the 2012-13 year, and served on the Board of Directors of NARUC from 2011 to 2017, and chaired the Washington Action Committee. Mr. Jones served in many advisory roles in the energy and communications sectors during his tenure, and was active nationally with the FERC, U.S. Department of Energy, DHS, and the FCC. In the communications field, Mr. Jones served on the North American Numbering Council (NANC) and the Task Force on Optimal PSAP Architecture (TFOPA) of the FCC regarding NG 911 system deployment. He also served on the Advisory Council of EPRI (Electric Power Research Institute) for two terms in its role to provide advice and assistance on electric sector R&D.

Mr. Jones is a native of Spokane, Washington and graduated from Harvard College with a B.A., with Honors, in East Asian Studies in 1977.



Elin Swanson Katz
Consumer Counsel, State of Connecticut
President, NASUCA

Elin Swanson Katz has served as Consumer Counsel for the State of Connecticut by since 2011. She heads the Office of Consumer Counsel, an independent state agency established in 1975, which advocates on behalf of consumers in matters relating to electricity, water, natural gas, and telecommunications. Her agency also includes the Connecticut State Broadband Office.

As Connecticut's Consumer Counsel, Ms. Katz serves on the Connecticut Energy Efficiency Board, the Commission for Education Technology, and the Water Planning Council Steering Committee, among other state boards. Ms. Katz is Vice-President of the National Association of State Utility Consumer Advocates ("NASUCA"). She is also NASUCA's representative on the Federal Communication Commission's Federal-State Joint Board on Universal Service. Ms. Katz also serves as Connecticut Governor Dannel P. Malloy's designee on the FCC's Intergovernmental Advisory Commission, for which she serves as Chair. Ms. Katz is on the Advisory Committee for the Critical Consumer Issues Forum, a joint initiative of NARUC, NASUCA and EEI. She was named the "2016 Local Internet Choice State Champion" by the Coalition for Local Internet Choice. She was also the recipient of the New England Women in Energy and Environment's (NEWIEE) 2014 Achievement Award.

Prior to becoming Consumer Counsel, Ms. Katz practiced at law firms in Washington, D.C.; Boston; and Hartford. She also served as Assistant Counsel at the Connecticut Department of Environmental Protection, taught at Trinity College in Hartford, and served as a legal consultant. Ms. Katz served on the West Hartford, Connecticut Board of Education from 2009 to 2013. Ms. Katz holds degrees from Cornell University (B.S. in Industrial and Labor Relations), Boston University School of Law (J.D. cum laude), and Trinity College (M.A. in English (Writing, Rhetoric, and Media Arts), with honors).



Edward Kaufman
Chief Technical Advisor, Water-Wastewater Division
Indiana Office of Utility Consumer Counselor

Mr. Kaufman is a Chief Technical Advisor within the Water-Wastewater division of the Indiana office of Utility Consumer Counselor's Office. He was hired as a Utility Analyst in the Economics and Finance Division of the OUCC in October 1990. His primary areas of responsibility have been in utility finance, utility cost of capital, and regulatory policy

He was awarded the professional designation of Certified Rate of Return Analyst ("CRRA") by the Society of Utility and Regulatory Financial Analysts ("SURFA"). In April 2012, he was elected to SURFA's Board of Directors and continues to serve on SURFA's board of directors. In 2016 he was selected to be the Water Committee Chairperson for NASUCA. Mr. Kaufman graduated from Bentley College in Waltham, Massachusetts with a Bachelor's degree in Economics/Finance and an Associate's degree in Accounting. Before attending graduate school, he worked as an escheatable property accountant at State Street Bank and Trust Company in Boston, Massachusetts. He attended Purdue University where he earned a Master's of Science degree in Management with a concentration in finance.



Scott Kessler
Director, Business Development, LO3 Energy

Scott is responsible for educating utilities and retailers on how transactive energy and distributed energy marketplaces are creating new opportunities and business. He previously lived in San Francisco and worked for TRC Energy Services as a consultant, primarily focused on working with west coast utilities to implement energy efficiency programs, integrate renewables, and assess their impact across the grid. Prior to his time in the Bay Area, Scott lived in NYC working at NYSERDA and Connecticut Light and Power. He received his Bachelor's degree in physics from Middlebury College in Vermont and has a Master's in Engineering from the University of Maryland.

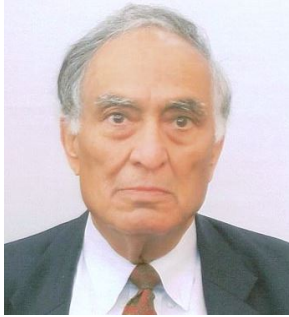


David Kolata
Executive Director, Citizens Utility Board of Illinois.

David Kolata is the Executive Director of the Citizens Utility Board, an organization called the "gold standard of consumer groups nationwide" by the St. Louis Post-Dispatch.

He started at CUB in 2001 as a senior policy analyst, moving to director of policy and government affairs in 2003. He was named Executive Director in September 2005. Prior to joining CUB, he was a policy analyst for the Environmental Law & Policy Center, where he focused on transportation and energy issues.

David is a 1991 graduate of the University of Notre Dame. He received a master's degree in political science from the University of Toronto in 1993, and a Ph.D. in the same subject from Vanderbilt University in 2003. He is a board member of the Illinois Environmental Council.



Jatinder “Jay” Kumar
President, Economic & Technical Consultants, Inc.

Mr. Kumar has appeared in more than 220 proceedings before Federal Energy Regulatory Commission (FERC), Interstate Commerce Commission (ICC), Nuclear Regulatory Commission (NRC), 25 retail jurisdictions in the United States, two retail jurisdictions in Canada, two pollution control boards, and thirteen judicial proceedings as an expert witness in the areas of public utilities and energy; electric and gas rates and restructuring, unbundling, competition, merger/acquisition, Independent System Operators/Regional Transmission Organizations (ISO/RTO) issues, and incentive rate making; gas and electric power acquisition and transmission; competition, anti-trust, and price-squeeze; contracting and buyouts; ratemaking and operations; and accounting, economic, regulatory, and technical matters. In a number of cases, Mr. Kumar testified to the income tax issues some of which involved court appeals. Mr. Kumar has authored scores of articles, addressed a number of conferences and conducted several training courses related to utility matters including utility accounting.

Mr. Kumar has been involved with almost all important FERC rulemakings for the gas and electric utilities since the 1970s. He has advised the White House and a member of the Senate Sub-Committee on Energy on energy-related matters.

Mr. Kumar has M.S., Mechanical Engineering, University of California, Berkeley, California, a Post Graduate Diploma, Petroleum Engineering, French Petroleum Institute, Paris, France and B.S., Petroleum Technology, Indian School of Mines, Dhanbad, India.



Mark LeBel
Staff Attorney, Acadia Center

Mark LeBel is Staff Attorney at Acadia Center, based in the Boston office. He works on electricity rate design, distributed energy resource compensation, grid modernization, and transportation issues, notably including electric vehicles. Mark holds a JD with honors from NYU School of Law and an AB with honors in Applied Mathematics with a focus in Economics from Harvard College. Prior to law school, he was an Associate Analyst with NERA Economic Consulting in Boston.



Bill Levis
Pro Bono Attorney, AARP Colorado

Since retiring as Consumer Counsel in Colorado 4-1/2 years ago, Bill Levis has been a volunteer advocate, pro bono attorney and witness on utility issues for AARP in the state. He also is a fellow at the University of Colorado law. For several years, Bill was the consumer advocate on the eight member federal-state joint board on universal service and was the interim executive director of NASUCA in 2015. Bill has a B.A. from the University of Michigan and a J.D. from the University of Illinois.



Dr. Carl Linvill
Principal, Regulatory Assistance Project (RAP)

Dr. Carl Linvill is a Principal with Regulatory Assistance Project (RAP) based in Davis, California. Carl focuses on power sector planning, procurement, market and regulatory reforms that facilitate low carbon futures. His current projects address renewable and distributed energy resource integration strategies, grid modernization and wholesale and retail tariff reforms. Prior to joining RAP, he was Economic/Energy Advisor to Nevada Governor Kenny Guinn, a Public Utilities Commissioner, and an academic and consulting economist. Carl received his BA in Mathematics from UC Davis, and his PhD in Economics from the UNC - Chapel Hill. Carl's activities outside of RAP include serving on the California ISO Energy Imbalance Market Governing Body.



Dan Lipschultz
Vice-Chair, Minnesota Public Utilities Commission

Dan Lipschultz serves as vice-chair of the Minnesota Public Utilities Commission, following his appointment to the Commission for a six-year term, effective February 14, 2014. He is a member of the National Association of Regulatory Utility Commissioners (NARUC). He is also a member of the Minnesota State Bar Association, having previously served as Chair of both the Public Utilities Law and Communications Law Sections.

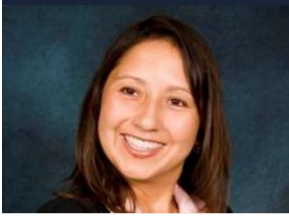
Commissioner Lipschultz has practiced law in the areas of telecommunications and energy, including electric utility regulation, for over 23 years as both a public and private sector attorney. Prior to his appointment to the Commission, he was an attorney and shareholder for 12 years with the Minneapolis Law Firm, Moss & Barnett, P.A., where he practiced primarily in the areas of telecommunications and energy law.

Before joining Moss & Barnett, Commissioner Lipschultz worked as Assistant General Counsel for a competitive telecommunications carrier. Prior to that, he served as an Assistant Attorney General and lead counsel in the Minnesota Attorney General's ratepayer advocate division, representing residential and small business ratepayers in Commission proceedings. Before serving as a ratepayer advocate, Commissioner Lipschultz served as legal counsel to the Minnesota Commission. Commissioner Lipschultz received a B.A. from Iowa State University, and a J.D. from the University of Iowa, College of Law.



Danna MacKenzie
Executive Director, Minnesota Office of Broadband Development

Since 2014, Danna MacKenzie has served as the Executive Director of the Minnesota Office of Broadband Development, which is responsible for broadband planning and policy development statewide. In this role, she oversees a portfolio of \$85 million dollars in broadband infrastructure investments across the state and works with the Governor, legislators, providers, and communities to help inform and guide the adoption of effective state broadband policies. Danna has 23 years of experience working with internet providers and communities on broadband issues; ranging from deploying county-wide wired and wireless networks, building an ISP in 1994 for the purpose of serving emerging local business needs, to working with a non-profit foundation to expand the capacity of rural MN communities to leverage the power of broadband.



Monica Martinez
Principal, Ruben Strategy Group, LLC

Ms. Martinez is principal and founder of Ruben Strategy Group LLC. She is a regulatory and strategic planning consultant with over 20 years of experience in regulatory, government, and business to business relations. With Ruben Strategy, she works with major national associations, non-profits, coalitions, and energy related businesses to help develop their markets, create strategic pathways to solutions, and empower their organizations. She specializes in limited income energy solutions, electric markets, distributed energy resources, the utility of the future, and workforce development engagement.

Monica served for over 6 years as Commissioner at the Michigan Public Service Commission, overseeing the regulation of electric and gas utilities. She led new consumer education and awareness efforts promoting low-income and senior programs, energy affordability via efficiency, and the value of generation resource diversity. She was also a former senior advisor to a former Michigan Governor and advisor on energy and human services to the Michigan Senate.

Martinez earned a Bachelors in Economics and Political Science and a Masters in Business Administration, with distinction, both from the University of Michigan. When she is not playing sports with her two young children and husband, she devotes her time as President of Hispanics in Energy, Treasurer of Advancing Women in Energy, lector at St. Casimir Parish, and board-member of the Lansing Southside Community Kitchen and the American Council for an Energy-Efficient Economy.



Sandra Mattavous-Frye
People's Counsel, District of Columbia Office of People's Counsel

Sandra Mattavous-Frye is serving her second 4-year term as People's Counsel for the District of Columbia. Mattavous-Frye leads the Office of the People's Counsel (OPC) as the statutory advocate representing DC consumers of natural gas, electric and telephone services.

During her more than 20-year career with the OPC, Mattavous-Frye has worked to ensure ratepayers have safe, affordable and reliable utility and energy services. She believes DC consumers must have a place at the table in the regulatory process. In 2013, Attorney Mattavous-Frye received the University of the District of Columbia Advocate for Justice Award in recognition of her career in public interest law, and in

2016 she received the State Regulatory Practitioner Award from the Energy Bar Association for demonstrated professional competence in energy law throughout her career.

Prior to becoming the People's Counsel, Ms. Mattavous-Frye served in various positions at OPC, including Deputy People's Counsel, Director of Litigation and Energy Section Trial Supervisor. In recent years, Ms. Mattavous-Frye has led OPC-initiated proceedings and initiatives, including an investigation into the abusive marketing and solicitation practices of some third party energy suppliers, and secured a formal Public Service Commission investigation into such practices; hosted the first of its kind consumer energy symposium to connect District residents with energy and technology experts; established the first OPC Energy Efficiency and Sustainability Section to increase awareness of energy efficiency, renewable and sustainable energy options among DC consumers in all eight wards; and launched the District of Columbia's first Value of Solar Study to assess the District's solar capacity, and the costs and benefits of solar deployment.

Ms. Mattavous-Frye also has led OPC efforts to protect ratepayers in major utility proceedings, including the Pepco-Exelon merger; the powerline undergrounding initiative to address storm-related outages; investigations into Verizon's delivery of service to District residents; and Washington Gas Light Company's accelerated pipeline replacement plan.

A graduate of the District's Antioch School of Law, People's Counsel Mattavous-Frye is admitted to practice before the U.S. Supreme Court, U.S. Court of Appeals, and the DC and Maryland bars. She is a resident of Ward 5 in the District.



Tanya J. McCloskey
Acting Consumer Advocate, Pennsylvania Office of Consumer Advocate.

Ms. McCloskey is the Acting Consumer Advocate for the Pennsylvania Office of Consumer Advocate. The Pennsylvania Office of Consumer Advocate represents the interests of consumers before the Pennsylvania Public Utility Commission, similar federal agencies and state and federal courts. Prior to being named as Acting Consumer Advocate, Ms. McCloskey directly coordinated the activities of the Office in the areas of energy and telecommunications.

Ms. McCloskey has participated in a wide range of activities in the field of public utility law and consumer law, including base rate cases, investigation of utility activities, merger applications, transmission line siting cases, petition cases, and proposed rulemakings. Ms. McCloskey has also participated extensively in matters relating to the restructuring of the electric and natural gas industries in Pennsylvania. In addition, Ms. McCloskey has participated in cases before the Federal Energy Regulatory Commission and in activities at PJM.



Christopher B. McGill
Vice President-Energy Markets, Analysis and Standards, American Gas Association

Mr. McGill is the Vice President, Energy Markets, Analysis and Standards, at the American Gas Association (AGA), which is headquartered in Washington, D.C. AGA is a national trade association providing services and advocacy for more than 200 local natural gas utility and other members.

Mr. McGill's work is in the assessment of future supplies of natural gas, natural gas production, sustainability of future gas supply, unconventional gas operations and completion technologies, underground storage, key pipeline transportation issues, winter heating season planning, key developments in natural gas markets and other related topics in the gas industry. He guides the analytical support for policy initiatives at the association and is an active spokesperson on many natural gas topics, representing local gas utility points of view to industry, regulators, legislators and the public.

Mr. McGill previously worked as an exploration geologist before joining AGA. He holds a Bachelor of Science degree in Geology from Madison College in Harrisonburg, Virginia (1975) and a M.B.A. from Old Dominion University in Norfolk, Virginia (1988). Mr. McGill has been a member of the American Association of Petroleum Geologists for 37 years.



Katrina McMurrian
Executive Director, Critical Consumer Issues Forum (CCIF)

A former Florida Public Service Commissioner (2006-2009), Katrina McMurrian currently serves as the Executive Director of the Critical Consumer Issues Forum (CCIF), a unique national forum in which state utility regulators, consumer advocates, and electric utilities – via a series of facilitated, interactive dialogues – engage in productive debate and develop consensus on key issues of importance to consumers and policymakers. McMurrian also serves as the Executive Director of the Nuclear Waste Strategy Coalition (NWSC), an ad hoc organization representing the collective interests of member state utility regulators, state consumer advocates, state radiation control officials, state energy officials, tribal governments, local governments, electric

utilities with operating and shutdown nuclear reactors, and other public and private sector experts on nuclear waste policy matters. In these roles, McMurrian frequently interacts with Congress; Administration officials; state and federal utility regulators; state and national consumer organizations; industry representatives; and numerous other public and private stakeholders.

A Northwest Florida native, McMurrian received a Bachelor's degree in finance and an MBA from Florida State University. She and her husband currently reside near Nashville, Tennessee.



Andrew Mills,
Research Scientist, Lawrence Berkeley National Laboratory

Andrew Mills is a Research Scientist in the Electricity Markets and Policy Group at Lawrence Berkeley National Laboratory. Andrew conducts research on the integration of variable generation into the electric power system, evaluating the costs, benefits, and institutional needs of renewable energy transmission and other supporting infrastructure. Andrew has a Ph.D. in Energy and Resources from UC Berkeley and a B.S. in Mechanical Engineering from the Illinois Institute of Technology.



Christopher Mitchell
Director, Community Broadband Networks, Institute for Local Self-Reliance

Christopher Mitchell is the Director of the Community Broadband Networks Initiative with the Institute for Local Self-Reliance (ILSR) in Minneapolis. Mitchell is a leading national expert on community networks and Internet access. Within his capacity at ILSR, he also serves as the policy director for Next Century Cities, a national collaboration of mayors and CIOs seeking universal access to fast, affordable, and reliable Internet connections.

On a day-to-day basis, Mitchell runs MuniNetworks.org, the comprehensive online clearinghouse of information about local government policies to improve Internet access. Their interactive community broadband network map tracks more than 500 such networks. He also hosts podcasts, including Community Broadband Bits and Building Local Power.



Susan Mora-Schrader
Director of Utility Initiatives, Exelon

As Exelon's Director of Utility Initiatives, Susan provides strategic national energy policy direction for Exelon's six electric utilities serving over 20 million Americans. She works closely with Exelon's strategy, policy and regulatory groups to provide linkage between corporate policy positions and business strategies and plans. Susan also supports Exelon Utilities with external stakeholders and outreach campaigns. Issues of particular focus include EV infrastructure, renewable and microgrid integration, storage and rate design.

Prior to joining Exelon, Susan served as the primary interface with the U.S. Congress, White House, federal agencies and national industry associations for Pepco Holdings, a company with multiple utilities in the Mid-Atlantic region. Issues of particular emphasis in her lobbying portfolio included critical infrastructure cyber and physical security, event response and recovery, grid resilience, and smart grid functionality.

Susan spent a number of years as a public affairs consultant focused on assisting clients in their outreach to Congress and a dozen years lobbying across the country at the state and local levels for a variety of businesses and trade associations.

Susan currently sits on the Board of the Gridwise Alliance and Co-Chairs the Board of the Eastern LAMPAC with IBEW leaders. She has completed the University of Idaho Utility Executive Program and the University of Wisconsin Advanced Rate Design Course, holds an MBA and a Bachelor's in economics, both from the University of Maryland.



Robert G. Mork
**Deputy Consumer Counselor for Federal Affairs, Indiana Office of
Utility Consumer Counselor**

Robert G. Mork has served the Indiana Office of Utility Consumer Counselor (OUCC) since 2000 as Deputy Consumer Counselor for Federal Affairs. As Federal Deputy, Mork has represented Indiana ratepayer interests before both the Federal Energy Regulatory Commission and the Federal Communications Commission, and now spends much of his time working for the effective development of electric wholesale markets under regional transmission organizations.

Mork currently serves as president of the Consumer Advocates of PJM States, Inc. and chair of the Electric Committee of the National Association of State Utility Consumer Advocates (NASUCA), as well as a representative of the Public Consumer Sector on the MISO Advisory Committee. Mork has previously chaired both the Energy Bar Association's Midwest Chapter and the Utility Law Section of the Indiana State Bar Association, and he has served on the board of the Energy Bar Association. Mork is also a recipient of the Irwin Popowsky NASUCA Outstanding Service Award. Before joining the OUCC, Mork had a national private practice in environmental insurance coverage issues.

Mork received his J.D. with honors from Indiana University (1992) and a B.A. in history from Yale (1988).

**Kristin Munsch****Director of Policy and Senior Attorney, Illinois Citizens' Utility Board**

Kristin is the Deputy Director for the Illinois Citizens Utility Board, a nonprofit consumer advocacy group that represents the interests of residential and small-business utility customers through outreach, education, litigation and policy advocacy. She has appeared before the Illinois Commerce Commission and the Federal Energy Regulatory Commission regarding utility rate issues; electricity supply and distributed energy resource planning, procurement and regulation; and competitive market issues, with a particular focus on the use of new technologies to benefit utility customers. Ms. Munsch is currently a member of the Illinois Smart Grid Advisory Council, a member of the Board of Directors for the Energy Foundry and Treasurer of the Board for the Consumer Advocates of PJM States. She has spoken before the

Chicago Bar Association, the Institute for Regulatory Policy Studies, American Gas Association Rates School, Women's Energy Summit and the Critical Consumer Issues Forum on customer education, rate design, data access and challenges in designing a "utility of the future" for customer benefit.

Prior to joining CUB, she was an Assistant Attorney General for the State of Illinois in the Public Utilities Bureau. Before entering law school, Ms. Munsch primarily focused on program design and implementation of federal workforce development and public assistance programs, serving as Associate Director of the Chicago Workforce Board and a policy analyst for the City of Chicago. Ms. Munsch is a graduate of Northwestern University and the Chicago-Kent College of Law.

**Tiffany Murray****Deputy Consumer Counselor, Indiana Office of Utility Consumer Counselor**

Tiffany has been Counsel at the Indiana Office of Utility Counselor since April 2012. Tiffany represents ratepayers in proceedings before the Indiana Utility Regulatory Commission, giving consumers a voice in regulatory matters brought by utilities that vary from rate cases to environmental compliance requests to infrastructure improvement trackers. Prior to joining the OUCC, she served as program counsel for the Indiana State Revolving Loan Fund Program at the Indiana Finance Authority. Tiffany is a 2009 graduate from the Robert H. McKinney School of Law in Indianapolis, IN.

**Bob Nelson****Montana Consumer Counsel**

Bob Nelson has been the Montana Consumer Counsel since 1988, representing interests of Montana utility consumers. He was previously Chief Counsel for the Montana Public Service Commission. In those capacities, he has been involved in many utility regulatory issues. Bob was President of the National Association of State Utility Consumer Advocates (NASUCA) from 2014-2017. He currently serves on the Member Advisory Committee of the Western Electricity Coordinating Council (WECC) and is Vice-Chair of DOE's State Energy Advisory Board. Bob is a graduate of Yale University and the University of Montana School of Law.



Ron Nelson

Senior Consultant, Strategen Consulting, LLC

Ron Nelson is a Senior Consultant in Strategen's Government and Utility Practice. Prior to joining Strategen, Ron worked as an Economist for the Minnesota Attorney General's Office where he represented consumers on topics including community solar gardens, the costs and benefits of grid modernization, cost modeling, rate design, and utility business models. He has also worked as an economic researcher for two universities and the United States Geological Survey where he researched the quantification of environmental externalities. He earned two undergraduate degrees from Western Washington University in Environmental Economics and Mathematics, and a Master's of Science in

Resource Economics from Colorado State University.



Charles Patton

Executive Vice President – External Affairs, American Electric Power

Charles Patton is executive vice president, External Affairs for AEP. In this role, he leads AEP's customer services, communications, regulatory, federal public policy and corporate sustainability organizations.

Prior to his current responsibilities, Patton served in numerous executive positions throughout his tenure with AEP. He has been the president and chief operating officer of two AEP subsidiaries: Appalachian Power, serving approximately one million customers in West Virginia, Virginia and Tennessee; and AEP Texas, serving over one million in South and West Texas. Other roles at AEP have included executive vice president, AEP Utilities West and senior vice president, Regulatory and Public Policy.

During his tenure in Texas, Patton was appointed by Texas Gov. George Bush to serve on the Texas Energy Coordination Council and the Interstate Oil and Gas Compact Commission. Later, Gov. Rick Perry appointed Patton to the Texas Energy Planning Council, which was established to advise the governor on energy matters. While leading Appalachian Power, Patton was appointed by Virginia Gov. Terry McAuliffe to the governor's Environmental Sustainability Committee and by West Virginia Gov. Earl Ray Tomblin to chair the governor's Committee on Science, Technology, Engineering and Math (STEM).

In 2014, he was appointed to a three-year term as director of the Fifth District Federal Reserve Bank, in Richmond, Va. In this position, he chaired the Federal Reserve's Information Technology Committee, which coordinated IT services for the entire Federal Reserve System. He currently serves on the board of Sterling Construction, a large engineering and construction company located in Houston.

Throughout his career, Patton has served and chaired numerous professional and civic organizations in the communities in which he has lived. Today, he serves on the boards of the National Association of Manufacturers, Center for Workforce Development and the Columbus YMCA. At AEP, he is an executive sponsor of the African-American Employee Resource Group (AAERG).



Dan Pfeiffer
Vice President of Government Affairs, Itron

Dan Pfeiffer is the Vice President of Government Affairs at Itron, a world-leading technology and services company dedicated to the resourceful use of energy and water. In that capacity, Mr. Pfeiffer is responsible for directing the company's regulatory and government affairs programs, setting strategy for federal legislation and state economic regulation, while serving as Itron's primary liaison with the Administration, Congress and state governments. Prior to joining Itron in October 2006, he was the policy advisor to the President of the Idaho Public Utilities Commission.

Mr. Pfeiffer was a founding member and past president of the Smart Meter Manufacturers Association of America. He's a Board Member of the GridWise Alliance and is a former Board Member and Vice President of the National Hydropower Association. Mr. Pfeiffer currently serves on the Advisory Council of the Center for Public Utilities at New Mexico State University and is a member of the NEMA Grid Modernization Leadership Council.

In 2010, along with Itron's CEO Mr. Pfeiffer had the honor of being invited to join President Obama in the Oval Office for a press conference highlighting Itron's stimulus-funded upgrades in its smart meter factory in South Carolina.

Prior to the Idaho PUC, Mr. Pfeiffer served as Vice President of Business Development for Balaton Power, a start-up firm developing fish passage technologies. Prior to Balaton, Mr. Pfeiffer spent 14 years at the Washington Water Power Company (aka Avista) – the investor owned utility that founded Itron in 1977 – where he served in a range of environmental, FERC licensing and government affairs capacities.

Mr. Pfeiffer earned his BS in fisheries science from the University of Idaho and an AS degree from Mansfield State College in Pennsylvania.



Frank Prager
Vice President, Policy and Federal Affairs, Xcel Energy

Frank Prager is vice president of Policy and Federal Affairs at Xcel Energy, a U.S. investor-owned electricity and natural gas company with regulated operations in eight Midwestern and Western states.

Frank is responsible for advancing Xcel Energy's public policy and ensuring the company's positions create value for the corporation, its customers and its many stakeholders. His organization designs and advocates for federal and state policies associated with a number of energy-related issues, including the environment, climate change, renewable energy, utility regulation, energy markets, tax issues, transmission and innovative technologies. It also represents the company before U.S. Congress and with various federal agencies.

Frank has been with Xcel Energy for almost 22 years. Previously, Frank was the company's vice president of Policy and Strategy. He also served as vice president of Environmental Policy and Services where he was responsible for the company's environmental compliance and policy. Frank started his career at Xcel Energy as assistant general counsel, representing the company on environmental matters.

He is a graduate of the University of Colorado, with degrees in Chemical Engineering and English. He earned his law degree from Stanford University. Prior to joining the utility industry, Frank was an associate at Holland & Hart in Denver and in-house environmental counsel at The Gates Corporation.



Jackie Roberts
Director, West Virginia Consumer Advocate Division

Jackie Roberts is the West Virginia Consumer Advocate. She was President and founder of the Consumer Advocates of PJM, Inc. (2014 – 2015), Secretary, Treasurer, and Executive Committee member (since 2014) of the National Association of State Utility Consumer Advocates, and a member of the PJM Interconnection LLC Nomination Committee (2011-2014). In 2014 she was elected to the North American Reliability Corporation (NERC) Members Committee. Most recently, Jackie was appointed to the Commodities Futures Trading Commission Energy & Environmental Markets Advisory Committee.

Previously she was an attorney with the Ohio Consumers' Counsel, and corporate counsel to both electric and natural gas utilities (Green Mountain Power in Vermont and EnergyNorth in New Hampshire, predecessor to National Grid). While at EnergyNorth Jackie was Corporate Secretary of three subsidiary natural gas utilities. She was the executive director of the Public Utilities Policy Institute where she served as the consultant to the NH legislature when it passed the first-in-the-nation electric deregulation statute.

Jackie has argued appeals before the Supreme Courts of two states (including the leading natural gas deregulation "take or pay" case in New Hampshire), the Ninth Circuit Court of appeals, and is admitted to practice before the United States Supreme Court and the State Supreme Courts of West Virginia, Ohio, New Hampshire, Vermont, and Nevada.



Joseph A. Rosenthal
Principal Attorney, Connecticut Office of Consumer Counsel

Joe Rosenthal has been a lawyer with the Connecticut Office of Consumer Counsel ("OCC") for over fourteen years, focusing on electricity and natural gas issues as well as broadband development in the public rights-of-way. His practice includes frequent appearances before the Connecticut Public Utilities Regulatory Authority and Connecticut courts, involvement in FERC proceedings, and developing positions and coordinating with allies in regional electricity matters. Joe has appeared many times for the OCC before the Connecticut Legislature's Energy & Technology Committee, and has been a guest speaker at various utility conferences, including those held by

NARUC, NASUCA, NRECA, and the Harvard Electricity Policy Group. Joe graduated in 1996 from Boston College Law School, *magna cum laude*, and prior to that received Bachelor's and Master's Degrees in Mathematics from the State University of New York-Binghamton.



Gabriela Sandoval, Ph.D.
Research Director, The Utility Reform Network (TURN)

Gabriela Sandoval joined TURN in April 2016 in the position of Research Director for TURN's Addressing the Health Impacts of Utility Shutoffs project. Gabriela works with community-based organizations in several parts of California—with a focus on communities struggling to make ends meet—to develop a better understanding of where and why utility shutoffs occur, how shutoffs impact the health of families and communities and how to stop them.

Before coming to TURN, Gabriela was research director at the Insight Center for Community Economic Development, a national "think-and-do tank" in Oakland, where she designed and managed projects focused on building wealth and opportunity for communities. Previously, Gabriela was a faculty member of the Department of Sociology at UC Santa Cruz and Academic Coordinator for a professional midwifery school in Mexico.



**Lisa Schwartz,
Deputy Leader, Electricity Markets and Policy Group, Lawrence
Berkeley National Laboratory.**

Lisa Schwartz is Deputy Leader of the Electricity Markets and Policy Group at Berkeley Lab. She manages the energy efficiency team, technical assistance to states on electricity issues, the Future Electric Utility Regulation report series, and training for PUCs on distribution system planning. Previously, she was Director of the Oregon Department of Energy, where earlier in her career she was a Senior Policy Analyst. At the Oregon PUC for seven years, she led staff work on resource planning and procurement, demand response, and distributed and renewable energy resources. She also was a Senior Associate with the Regulatory Assistance Project, providing assistance to government officials on energy issues



**Richard E. Sobolewski
Supervisor of Utility Financial Analysis, Connecticut Office on
Consumer Counsel**

Rich joined the Office of Consumer Counsel (OCC) of the State of Connecticut in 1986. He has served in a number of accounting, financial and analytical positions within the OCC, holding his current position since 2002. Sobolewski oversees OCC's technical staff and outside consultants.

Rich has participated in over 200 utility rate proceedings involving Connecticut's water, electric, natural gas and telecommunications companies. Under his leadership, OCC has entered into several negotiated rate settlements with Connecticut's utility companies, including recent Eversource and Southern Connecticut Gas rate cases.

Sobolewski has lead the OCC's efforts on many issues including rate mechanisms, decoupling, utility mergers and acquisitions, performance based ratemaking plans, and a uniform rate of return methodology. He is a member of the American Water Works Association, the National Association of State Utility Consumer Advocates' gas, and water committees, and has been a panelist at several National Association of Water Companies conferences. Rich is a graduate of Central Connecticut State University.



**Mark W. Toney, Ph.D.
Executive Director, The Utility Reform Network (TURN)**

Mark Toney has served as executive director of TURN—The Utility Reform Network since 2008, promoting affordable green energy and phone service through legal advocacy, grassroots organizing, and policy campaigns. His leadership defeated an anti-consumer statewide initiative despite being outspent \$46 million to \$120,000, expanded LifeLine discounts to wireless phones, and included diverse communities in policy making.

Mark has organized for social justice for 35 years, earned his B.A. in political science from Brown University, his Ph.D. in sociology from UC Berkeley, and he has been recognized as a Kellogg National Leadership Fellow, National Science Foundation Fellow, and Echoing Green Fellow.



Sundar Venkataraman
Technical Director, Energy Consulting, GE Energy Connections

Sundar Venkataraman re-joined GE Energy Consulting as a Technical Director in 2006. In this role, Mr. Venkataraman advises GE and its clients on the impacts of energy-related policies, as well as emerging technologies relevant to the planning and operations of the electric grid. He has nearly two decades of experience in consulting related to power systems planning and operations, generation and transmission asset valuation and power plant control design and testing. His recent consulting assignments have been focused on analyzing the impact of emerging emission policies and high penetration of renewable resources on the economics and reliability power grid.

Mr. Venkataraman has helped several utilities and transmission operators in the US, as well as internationally, create roadmaps for successfully integrating wind and solar generation into their systems. Mr. Venkataraman led the GE Energy Consulting team that made significant contributions to a NYSERDA project and the design of microgrids for resiliency. He also led the team that drafted the technical requirements for participating in the NY Prize community grid competition. His most recent project was a techno-commercial feasibility study for an integrated wind, solar and battery energy storage project in India.

Mr. Venkataraman started his career with GE in 1994 as an Application Engineer and was involved in a number of transmission planning studies for utilities. Later on, he led a Center of Excellence on grid code compliance testing. He has the experience of designing generation controls and testing them for compliance in over twenty countries.

Between 2004 and 2006, Mr. Venkataraman worked for ABB as the Manager of their Energy Market Consulting practice. At ABB, Mr. Venkataraman's primary responsibility was to develop and manage a consulting practice that aimed at providing services related to the planning and operation of generation and transmission assets.



Maureen Westbrook
Vice President of Customer and Regulatory Affairs, Connecticut Water Company

Maureen is responsible for the Company's customer service team, customer communications, community outreach, and media relations programs. In addition, she oversees the company's water resources, planning and regulatory programs.

She leads the company's legislative and regulatory efforts, developing strategies that balance the interests of the company and its customers with other stakeholders, protecting water supplies and promoting environmental stewardship.

Maureen has been in the water supply profession for over 30 years and has been active and held leadership positions on the Connecticut Water Works Association, CT Section of American Water Works Association, American Water Works Association, and the National Association of Water Companies. Maureen has a BA in Biology from Smith College and a Master of Science degree from Pennsylvania State University.



Geoffrey G. Why
Counsel, Verrill Dana, LLP

Geoffrey has substantial experience in prominent policy and legislative issues affecting the cable, broadband, wireline, and wireless industries. Prior to joining Verrill Dana, he was a partner at a large Boston-based law firm (2014-2016). Before entering private practice, he served as the Commissioner (2009–2014) and General Counsel (2007-2009) of the Massachusetts Department of Telecommunications and Cable (DTC). In his role as Commissioner, Geoffrey directed all administrative, legal, and policy priorities for the department. Drawing on this extensive industry experience, Geoffrey represents clients before state public utilities commissions and the Federal

Communications Commission (FCC).

While Commissioner, Geoffrey led the DTC on a number of fronts, including spearheading state interests at the FCC regarding the wireless spectrum auction, public safety, broadband deployment, IP transition, and Universal Service Fund reform. He also was heavily involved in adjudicating cable rate cases, handling interconnection disputes, and enabling wireless companies to do business in the Commonwealth as “eligible telecommunications carriers.” In addition, Geoffrey initiated investigations regarding telephone service quality and the federally funded Lifeline program. He also chaired the FCC’s Section 706 Joint Conference on Advanced Telecommunications Services and co-chaired the North American Numbering Council. In addition, he was a member of the FCC’s Communications Security, Reliability and Interoperability Council and the New England Conference of Public Utilities Commissioners.

Prior to his positions at the DTC, Geoffrey served as an assistant attorney general in the Massachusetts Office of the Attorney General, Consumer Protection and Antitrust Division (2001 - 2007), where he investigated and litigated matters related to consumer protection and antitrust law and specialized in enforcement actions with telecommunications and cable companies. He was co-chair of the Attorney General's Diversity Committee (2003 - 2007), and in 2006, was presented the Edward J. McCormack Jr. Award for Excellence by the Attorney General for his work on behalf of Massachusetts consumers. Geoffrey also has served as assistant district attorney at the Suffolk County District Attorney's Office, Appellate Division.

Geoffrey lives with his wife, Annamarie, and their two sons in Watertown, MA. Prior to becoming an attorney, he was a professional photographer for 7 years. He continues to enjoy photography as a hobby and also downhill skis in the winter and follows the San Francisco Giants and Boston Red Sox in the summer.



Tim Woolf
Vice President, Synapse Energy Economics

Tim has more than 35 years of experience conducting technical and economic analyses of energy and environmental issues, on behalf of a variety of consumer advocates, environmental advocates, regulators, and government agencies. Most of his career has been dedicated to utility regulation and planning, including the review and development of policies and practices regarding energy efficiency and other distributed resources. He served as a commissioner at the Massachusetts Department of Public Utilities from

2007-2011.



Jeff Zethmayr
Research Director, Illinois Citizens Utility Board

Mr. Zethmayr conducts energy policy and economic research, with a focus on rate design for regulated utilities. His previous work includes expert testimony and analysis for utility rate cases, and research on the bill impacts of demand-based delivery rates. He holds a Masters of Public Administration from Columbia University's School of International and Public Affairs and a Bachelor of Arts from Macalester College, and resides in Chicago with his wife and daughter.



Adam Zoet
Energy Planner, Principal at the Minnesota Department of Commerce

At the Minnesota Department of Commerce, Adam is the lead analyst of Conservation Improvement Program (CIP) energy efficiency planning efforts where he currently oversees the development and execution of the Department's Statewide Energy Efficiency Potential Study, coordinates analysis between the CIP and Energy Regulation and Planning units, and manages project partners and processes as part of State and Federal grants.

As part of the Department's CIP regulatory unit, Adam and his colleagues are responsible for the ongoing review and assessment of Minnesota's electric and natural gas utility energy efficiency programs, including evaluation of program designs, energy savings estimates, cost-effectiveness methodologies, expenditures, and compliance with Department policies.