

Speaker Bios for MGA Grid Security & Modernization - Phase II - Meeting 1

Keynote: Defining Grid Modernization and Security

Catherine Jereza is the Deputy Assistant Secretary for Transmission Permitting & Technical Assistance (TPTA) in the U.S. Department of Energy's Office of Electricity Delivery and Energy Reliability (OE). She is responsible for leading the Department's efforts to facilitate the development of reliable and affordable electricity infrastructure. Ms. Jereza has 25 years of experience in the energy, water, and manufacturing industries, where she led multiple startup, turnaround, and major problem solving initiatives that delivered real-world solutions and high-impact results. Catherine (Katie) Jereza is the Deputy Assistant Secretary for Transmission Permitting & Technical Assistance (TPTA) in the U.S. Department of Energy's Office of Electricity Delivery and Energy Reliability (OE). She is responsible for leading the Department's efforts to facilitate the development of reliable and affordable electricity infrastructure. Ms. Jereza has 25 years of experience in the energy, water and manufacturing industries, where she led multiple startup, turnaround and major problem solving initiatives that delivered real-world solutions and high-impact results. Prior to joining OE, Ms. Jereza served as the Director for Infrastructure Resilience at the Edison Electric Institute (EEI) where she co-led the smarter energy infrastructure initiative and helped launch the Electricity Subsector Coordinating Council's Cyber Mutual Assistance program. She was a management consultant with the McLeod Group, LLC and Energetics Incorporated and also worked for the Maryland Department of the Environment, GE Water and Process Technologies (formerly BetzDearborn), and the Lincoln Electric Company. She holds an MBA from the Loyola University Maryland and BS in Chemical Engineering from the Virginia Polytechnic Institute and State University.

Panel Discussion: State Regulators

Mia Adams collaborates with internal and external stakeholder groups to synthesize market insights and guide the prioritization of investments for the development of new market products. MISO's markets clear more than \$37 billion dollars in energy transactions annually. With an evolving fleet, market strategy focuses on what new products are needed to continue to drive non-discriminatory market efficiency and price transparency, aligned with grid reliability, and also send appropriate price signals to guide investment decisions. Prior to MISO, Mia worked at 3M in Corporate Strategy and in Global Sustainability in Corporate R&D on innovating new products to address major world challenges like climate change and water scarcity. Earlier experiences were gained at Gamesa in wind farm development and in management consulting for market strategy for clean tech and renewable energy clients. Mia has a Masters in Sustainability and Environmental Management from Harvard University, an MBA from the University of Minnesota and a B.A. in Communications and Swedish from North Park University.

Commissioner Larry Friedman was appointed to the Public Utilities Commission (PUCO) of Ohio by Governor John R. Kasich in 2017. For more than 20 years, Commissioner Friedman has held various roles in the energy sector related to regulatory and compliance disciplines. His tenure has afforded him the opportunity to work with regulatory commissions, utilities, consumer advocates and competitive suppliers in a dozen states, including Ohio. Most recently, Friedman served as vice president of regulatory affairs and compliance at IGS Energy. Throughout his career, Friedman has had the distinction of serving on the boards of the Ohio Gas Association and the Ohio Gas Suppliers Association. He currently serves as a member of the National Association of Regulatory Utility Commissioners (NARUC) Committee on Consumers and Public Interest and NARUC's Committee on Gas. Commissioner Friedman received his undergraduate and graduate degrees from the University of Pittsburgh and the University of Pittsburgh School of Law. He and his wife, Beth, a retired educator, reside in Waterville, Ohio. Commissioner Friedman has two adult daughters and a granddaughter.

Commissioner Nancy Lange was appointed to the Minnesota Public Utilities Commission by Governor Mark Dayton; effective March 4, 2013 and currently serves as Chair, effective January 23, 2017. Commissioner Lange is a member of the National Association of Regulatory Utility Commissioners (NARUC) and is Chair of its Committee on Energy Resources and the Environment. She also serves on the NARUC Committee on Washington Action. Commissioner Lange is a member of the Midcontinent States Environmental and Energy Regulators (MSEER) group and currently serves as its Chair. She also serves as a member of the Mid-America Regulatory Conference (MARC). Prior to her appointment, Commissioner Lange served as Manager of Policy and Engagement at the Center for Energy and Environment. Ms. Lange holds a B.S. from Iowa State University and M.A. in Public Policy from the University of Minnesota. Her term will expire on January 7, 2019.

Commissioner John Rosales was appointed by Governor Bruce Rauner on March 16, 2015 to a four year term on the Illinois Commerce Commission (ICC). Commissioner Rosales is a member of the National Association of Regulatory Utility Commissioners (NARUC), serves on NARUC's board of directors, and is Vice Chair of NARUC's National Electricity Committee. Commissioner Rosales is the current President and member of the board of directors for the Organization of PJM States, Inc. (OPSI). He is Vice Chair of the Independent State Agencies Committee (ISAC), and was formerly on the board of directors of the National Regulatory Research

Institute (NRRI). Commissioner Rosales also served as President of the Mid America Regulatory Conference (MARC) 2017 Annual Meeting that was held in Chicago in June of 2017.

Prior to his appointment, Commissioner Rosales was the Vice President of Governmental Affairs for The Coca-Cola Bottling Company of Chicago, and was later promoted to Vice President of Coca-Cola Enterprises. Commissioner Rosales is also a former Director for the Olive-Harvey College South Chicago Learning Center where he managed the satellite campus located on Chicago's southeast side, and was responsible for the overall operation of the campus, community outreach, and enrollment.

Until his appointment to the ICC, Commissioner Rosales was also a Commissioner for the Cook County Merit Board from 2011. As a member of the board, he was responsible for writing detailed final decisions in cases brought before him in order to adjudicate employee discipline within the Cook County Sheriff's department. Commissioner Rosales was also a former member of the Board of Directors for Metropolitan Bank.

Commissioner Rosales earned his bachelor's degree from Northwestern University. He is a resident of Chicago, an Illinois Literacy Foundation Board Member, and a member of the Azteca Lions Club.

Doug Scott joined GPI as Vice President of Strategic Initiatives in early 2015. Scott focuses on GPI projects related to his work as a state official, including the Midcontinent Power Sector Collaborative, Midcontinent States Energy and Environmental Regulators, PJM Energy and Environmental Regulators, National Enhanced Oil Recovery Initiative, and the e21 Initiative. Scott was appointed chair of the Illinois Commerce Commission in March 2011 by Illinois Governor Pat Quinn. During his tenure with the Commission, he served as a member of the Energy, Resources, and Environment Committee for the National Association of Regulatory Utility Commissioners (NARUC) and on the Task Force on Environmental Regulation. Scott also previously served as director of the Illinois Environmental Protection Agency from 2005 to 2011. During those years, he chaired the Illinois Governor's Climate Change Advisory Committee and represented Illinois in the development of the Midwestern Governors' Association's energy and climate accords. Scott was a member of the Air Committee for the Environmental Council of States (ECOS) and the US EPA Environmental Financial Advisory Board. He was also elected and served as Mayor of Rockford, IL from 2001 to 2005, after serving as a state representative in the Illinois General Assembly between 1995 and 2001. A native of Rockford, Scott received his undergraduate degree with honors from the University of Tulsa in 1982 and a Juris Doctorate with honors from Marquette University, Milwaukee, WI in 1985.

Panel Discussion: Utilities and 3rd-Party Providers

Betsy Beck is the Director of Electricity Markets and Transmission Policy at the American Wind Energy Association, the trade association representing over 1,000 companies in the wind industry. Betsy leads policy development advocacy to promote the expansion and efficient utilization of the electric transmission grid and in support of market rules and operations that enable the fair treatment of wind resources in electricity markets. She works with regulators, legislators, grid operators, and other stakeholders to promote policies that will pave the way towards achieving a lower cost, cleaner, more reliable, and smarter grid. Betsy joined AWEA in 2016 and has previously worked at the U.S. Senate Energy and Natural Resources Committee and at the Federal Energy Regulatory Commission. She is a native of Des Moines, Iowa, holds a Bachelor's of Science in Engineering from the University of Pennsylvania, and is a certified GARP Energy Risk Professional.

Patrick Dalton is the team lead for an engineering group focusing on the integration of Distributed Energy Resources across the eight states that Xcel Energy serves. He is a member of the IEEE standard working groups on DER interconnection and represents Xcel Energy at the Minnesota Public Utility Commission's ongoing docket for interconnection process and technical rules revision. Over the past ten years at Xcel Energy, Patrick has held a number of positions within Distribution Engineering focusing on Operations, Reliability, and Power Quality. Patrick holds a Bachelor's of Science in Electrical Engineering from Minnesota State University and a Master's of Science in Electrical Engineering from the University of Minnesota. He is a licensed Professional Engineer in the state of Minnesota.

Nick Papanastassiou works on EnerNOC's Regulatory and Government Affairs team helping to lead the expansion of Demand Response and Distributed Energy Resources throughout the Midwest. He also supports the company's international market development efforts in countries undertaking large-scale electricity market reforms. He has specialized in regulatory compliance and affairs issues since joining the company in 2015; prior to joining EnerNOC, Nick worked in EMC Corporation's Global Supply Chain Management team engaging with suppliers' social and environmental practices. Nick holds a B.A. in Economics and Environmental Policy from Colby College.

Vanessa Tutos, is Director, Government Affairs at EDP Renewables North America (EDPR). She is responsible for developing and promoting favorable legislative and regulatory policy for renewable energy at the state level throughout the ERCOT, SPP, and MISO states as well as in the Southeast. Prior to her role in Government Affairs, Vanessa was a Regional Director of Wind Project

Development for EDPR and led a team of developers in Texas, Oklahoma, and Kansas, overseeing both green-field development and potential acquisitions throughout the region. She works closely with industry, state, and NGO counterparts to help ensure that wind and solar interests are protected and promoted across the region so that renewable resources can compete on a level playing field in the energy market. Vanessa earned a master's in public administration in Environmental Science and Policy from Columbia University's School of International and Public Affairs in New York, and bachelor's degrees in Public Policy and Spanish from Rice University.

Moderator: Matt Prorok joined Great Plains Institute in November 2015 as a Policy Associate. His work will focus on the development of electric transmission infrastructure and markets to enhance renewable energy development. Matt has a background in engineering and sustainability. He obtained his B.S. in Mechanical Engineering from Penn State with a minor in Earth Systems. More recently, he received an M.S. in Science, Technology, and Environmental Policy from the University of Minnesota's Humphrey School of Public Affairs. His work at the University of Minnesota focused on greenhouse gas emissions attributable to electric vehicles in Minnesota.

Guest Speaker: What's on the Horizon for Grid Modernization and Security?

Mike O'Boyle is the Electricity Policy Manager for Energy Innovation. He works for the firm's Power Sector Transformation program to uncover policy and technology solutions for a clean, reliable, and affordable U.S. electricity system. Mike is also a leading expert for America's Power Plan, a platform for innovative thinkers—including policymakers, advocates, and utility stakeholders—to reform the utility regulatory model and identify opportunities for grid transformation and optimization. He has worked with stakeholders from a variety of states—including California, New York, Hawaii, Minnesota, etc.—to help improve the link between public policy goals and the motivations of electric utilities.

Mike has been a dominant author for America's Power Plans Trending Topics pieces, a monthly newsletter that helps policymakers and other stakeholders stay up to date on the most pertinent power sector issues today. Michael has authored reports covering a wide range of power sector topics, including distributed energy resource ownership and operation, mechanisms for adopting performance-based regulation, proper valuation metrics for utility compensation, and more.

Before joining Energy Innovation, Mike graduated cum laude from Arizona State University Sandra Day O'Connor College of Law, where he focused on energy and international law. He also has a B.A. from Vanderbilt University in Philosophy and Asian Studies, with a minor in Economics.

Panel Discussion: Consumer Advocates and Environmental NGOs

Allen Gleckner serves as the director of energy markets, overseeing Fresh Energy's work related to solar and wind deployment, transmission and distribution system planning, and electric vehicles. He has experience in Minnesota wind and solar policy, particularly for distributed generation, transmission planning and wholesale markets, and appears regularly before the Minnesota Public Utility on these matters. Before Fresh Energy, Allen was staff attorney at the Environmental Law & Policy Center in Chicago and St. Paul. Allen has a BA in political science from Washington University in St. Louis and a JD from Stanford Law School. He is a member of the Minnesota Bar.

John Moore, Director, Sustainable FERC Project, Energy & Transportation Program, Natural Resources Defense Council (NRDC). John Moore focuses on developing a modern, flexible, and efficient high-power electrical grid that will help accelerate renewable and clean energy use. He advocates on behalf of the Sustainable FERC Project and other environmental groups before the Federal Energy Regulatory Commission and regional transmission organizations. Prior to joining NRDC, Moore was a senior attorney at the Environmental Law & Policy Center in Chicago, where he coordinated clean transmission initiatives and managed ELPC's clean energy development program. Moore holds a bachelor's degree in English from Denison University and a JD from the University of Pittsburgh. He is based in Chicago.

Kristin Munsch 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. Currently her work focuses on legal and regulatory policy, rate design, utility data access and challenges in designing a "utility of the future" for customer benefit. 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 President of the Board for the Consumer Advocates of PJM States. 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 for the City of Chicago and State of Illinois. Ms. Munsch is a graduate of Northwestern University and the Chicago-Kent College of Law.

Moderator: Sacha Kathuria, Consultant, International Energy & Environmental Strategies, LLC

Sacha Kathuria is a consultant on energy issues for International Energy & Environmental Strategies, LLC, where she advises domestic and international clients on regulatory, trade, and policy matters. Sacha holds an LLM in Energy and Environmental Law from The George Washington University Law School, a Juris Doctor from Duquesne University, a Master in Public and International Affairs from the University of Pittsburgh, a Graduate Certificate from the European Union Center of Excellence at the University of Pittsburgh, and a Bachelor of Arts in International Affairs and History from the George Washington University. A native of Western Pennsylvania, she speaks French, German, and Urdu. Sacha previously worked on U.S. Department of Energy-funded projects on electricity for the Midwestern Governors Association, served as an attorney for oil and gas industry clients, including an energy trade association, and as general counsel to an export trading company. She is also an adjunct faculty member at Saint Vincent College and is Co-Chair-elect of the International Energy and Natural Resources Committee of the American Bar Association Section of International Law.

Facilitated Discussion: What's Next?

Rolf Nordstrom is the President and Chief Executive Officer of the Great Plains Institute. He has nearly 30 years of experience in energy and sustainable development policy and practice in both governmental and non-profit settings. In 2016, Rolf was appointed by U.S. Department of Energy Secretary Ernest Moniz to serve a two-year term on the agency's 24-member Electricity Advisory Committee. Prior to coming to the Great Plains Institute in 2003, Rolf served for a decade with the Minnesota Environmental Quality Board and the Minnesota Office of Strategic and Long Range Planning. For seven of those years he served as Assistant Director of then-Governor Arne Carlson's Sustainable Development Initiative, working to harmonize the state's economic and environmental policies. Rolf has worked with the World Wildlife Fund International (Brussels, Belgium), the National Wildlife Federation's Corporate Conservation Council (Washington, DC), and the Global Environment Program at NYU's Stern School of Business in New York. For much of his career Rolf has worked to broker agreement between disparate interests on difficult public policy issues. Among his other duties, Rolf currently leads Great Plains Institute's e21 Initiative which aims to better align how utilities earn revenue with evolving customer demands and public policy goals. Rolf has written or helped craft new laws on high performance buildings, hydrogen and fuel cell technologies, resource efficient land use, and sustainable development. In 2014, the third National Climate Assessment, a comprehensive report on climate change impacts in the U.S., was published. Rolf co-authored the chapter pertaining to changes in the Midwest Region. He also has authored and edited many publications on energy, transportation and sustainable development and speaks to a wide range of audiences both nationally and abroad. Rolf holds a bachelor's degree in English literature from Carleton College and a master's degree in international environmental policy from Tufts University. He serves on the advisory board for the University of Minnesota's NorthStar Initiative for Sustainable Enterprise as well as the board of advisors for the Midwest CleanTech Open, the world's largest cleantech startup accelerator. He is an alumnus of the Wilder Foundation's James P. Shannon Leadership Institute and has served as president of the Izaak Walton League of America (Minnesota division). He serves on the Union Park Community Council in St. Paul, MN, where he lives with his wife and sons.