



Resource Adequacy Summit 3.0 Speakers

Joseph Sullivan, Commissioner, Minnesota PUC



Joseph Sullivan was appointed to the Minnesota Public Utilities Commission by Governor Tim Walz, effective April 6, 2020, and appointed Vice Chair on May 21, 2020. Vice Chair Sullivan currently serves as Chair of the MISO Regional Expansion Criteria and Benefits Working Group and is Vice President of the OMS Board of Directors. He is a member of the Electric Power Research Institute Advisory Council and Executive Committee. He also serves as a member of NARUC.

Sullivan previously served as Deputy Commissioner for the Division of Energy Resources at the Minnesota Department of Commerce. In this role, Joe led the Division and supervised the Minnesota State Energy Office and the Energy Planning and Advocacy unit.

Prior to coming to the Minnesota Department of Commerce, Joe was the Manager of Legislative and External Affairs for the Center for Energy and Environment where he worked with policy makers, regulators, utilities, energy advocates, and other key stakeholders to advance energy efficiency and clean energy policy in Minnesota.

Joe has also worked as the Regional Policy Manager for Wind on the Wires where he worked to advance regional policies for wind power and transmission access. Joe started his career by spending six and a half years representing a municipal power agency and Greater Minnesota cities as a senior attorney at Flaherty & Hood P.A. in St. Paul, Minn. At Flaherty & Hood, Joe worked on renewable energy, transmission issues, state conservation goals, greenhouse gas reduction initiatives, net metering, nuclear waste, and utility taxation issues. Prior to joining Flaherty & Hood, Joe worked in Washington, DC at the U.S. House Committee on Science and at the Internal Revenue Service. Joe holds degrees from Marquette University and the University of Wisconsin Law School.

Rob Gramlich, President and CEO, Grid Strategies



Rob Gramlich is Founder and President of Grid Strategies. Grid Strategies provides expert input to state commissions, consumer groups, the renewable energy industry, grid operators, utilities, national labs, and others on bulk power transmission and markets topics, mostly related to reliable, low-cost, and low carbon power systems. Rob and his Grid Strategies colleagues testify frequently at state commissions, FERC, and Congress and have produced a series of white papers available on their web site. They released a paper recently on growing power demand.

Rob was formerly: SVP and Interim CEO, American Wind Energy Association, Economic Advisor to FERC Chairman Pat Wood III, Senior Economist, PJM. Rob has a BA with honors in Economics from Colby College and a Master of Public Policy degree from UC Berkeley.

Jeff Riles, Director of Energy Markets, Microsoft



As part of the Cloud Operations + Innovations organization, Jeff leads a team that supports datacenter interconnection and energy supply contracts with utilities and third-party suppliers. Additionally, in this role, Jeff leads regulatory and policy strategy development with utilities, regulators, and stakeholders important to datacenter and clean energy infrastructure delivery in the Americas. All of this is done in support of Microsoft's long-term 100/100/0 vision – that on all the world's grids, 100% of electrons, 100% of the time are generated from zero carbon sources.

Prior to joining Microsoft, Jeff served on the energy team at Google helping manage energy supply and carbon free energy procurement for their Data Centers. Jeff has also previously worked in Washington D.C., at Enel North America for the renewable energies division, and practiced energy regulatory law. Jeff is based in the Microsoft San Francisco office and holds degrees from the University of Oklahoma College of Law and Oklahoma City University.

Betsy Beck, Global Energy Markets & Policy, Google



Betsy Rosenblatt Beck is a leader in the energy industry with nearly 15 years of experience in government and the private sector. For the past two years, she has led energy policy and market development for the central US at Google, where she is responsible for developing and executing Google's energy strategy in support of its data centers and carbon-free energy goals. In her previous role, she was the Senior Director of Energy Policy and Markets at Enel, where she led the organization's energy policy and regulatory work in the Central and Western US.

Betsy is a passionate advocate for the use of carbon free energy and has successfully advocated for policies to promote its development and deployment. She is also a strong believer in the role that technology can play in the modernization and decarbonization of our energy systems. Betsy is a frequent speaker on transmission and market design policy and renewable energy and holds a bachelor's degree in Engineering from the University of Pennsylvania. She lives in Minneapolis with her husband and two daughters.

Josh Byrnes, Board Member, Iowa Utilities Board



Joshua J. Byrnes was appointed to the Iowa Utilities Board on November 30, 2020, for a term that runs through April 30, 2025. Byrnes also serves as President of OMS, which represents the collective interests of state and local utility regulators in the MISO region, serves as the treasurer for NARUC, serves on the NARUC Committee on Gas and the NARUC Taskforce on Natural Gas Resource Planning, and is on the Executive Committee of the Mid-America Regulatory Conference.

Byrnes previously was General Manager of Osage Municipal Utilities and served six years in the Iowa House of Representatives, where he was Iowa House Transportation Chairman. He also had been appointed by Governor Reynolds to serve on the Iowa State Board of Education. He is a former CUSB Bank director and also has served on the Iowa Association of Municipal Utilities Board of Directors, American Public Power Associations DEED Board.

He attended Riceville public schools and received his Bachelor of Arts degree in biology from Luther College in Decorah and his Master of Science degree in Educational Leadership from Winona State University in Minnesota. He also took PhD coursework at Iowa State University.

He and his wife reside in rural Mitchell County and enjoy hobby farming along with their three children.s.

Clair J. Moeller, President & COO, MISO



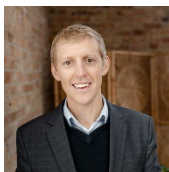
Clair Moeller is the President and Chief Operating Officer. As president, Clair Moeller leads all aspects of the Operations division, including grid operations, forward markets, system planning, external affairs, information technology and corporate services. Moeller also has executive responsibility for the compliance and external affairs teams at MISO.

Moeller is a respected industry expert with experience in the operation of power systems throughout the Midwest. He is skilled at identifying and implementing the best practices in transmission planning and system operations.

Under his guidance, transmission planners in the region have begun to explore transmission infrastructure value by using technique borrowed from generation and strategic planners in an effort to give policymakers context for the decisions they will face as the electric energy future unfolds.

Before joining MISO in 2004, Moeller was with Xcel Energy for 25 years. Moeller completed the Oxford Advanced Management and Leadership course at Oxford Said Business School, the Executive Management program at the Carlson School of Business, University of Minnesota, and earned a Bachelor of Science degree in electrical engineering from Iowa State University.

Marcus Hawkins, Commissioner, Public Service Commission of Wisconsin



Marcus Hawkins was appointed by Governor Tony Evers to serve as a Commissioner on April 8, 2024. Prior to joining the PSC, Marcus served as OMS Executive Director for five years and OMS Director of Member Services and Advocacy for three years. In these roles, Marcus represented state interests before the regional grid operator and Federal Energy Regulatory Commission.

Previously, Marcus was a Senior Engineer at the PSC within the Division of Regional Energy Markets. He has additional experience working at Wisconsin Energy Conservation Corporation and PA Consulting Group.

Marcus holds a bachelor's degree in nuclear engineering and a master's degree in mechanical engineering from the University of Wisconsin – Madison, where he also earned certificates in Technical Communication and Energy Analysis and Policy. Marcus lives in Madison with his partner Fred.

Genna de Mijolla, Technical Leader, EPRI



Genevieve de Mijolla is a Technical Leader at EPRI where she primarily focuses on resource adequacy in low-carbon systems. Previously, she spent five years working for GE Energy Consulting, primarily in production cost modeling and renewable integration. She holds a master's in electrical engineering from the Rensselaer Polytechnic Institute.

Lisa Tiffin, Senior VP of Energy Management, Tri-State Generation & Transmission



Lisa Tiffin is the Senior Vice President of Energy Management for Tri-State Generation and Transmission, a cooperative association of forty-five members located in four states. With over 30 years of experience in the energy industry, 17 of those years at Tri-State, Lisa currently oversees regulated resource planning and acquisitions as well as marketing and trading operations for Tri-State.

In Ms. Tiffin's prior role, she successfully led Tri-State through its first regulated resource planning process while developing measures to ensure robust system reliability given a transitioning grid. Ms. Tiffin is active in organized market greenhouse gas initiatives aimed at improving tracking and reporting of ghg emissions in the west. As a 2023 RMEL Industry Leadership award recipient, Ms. Tiffin is dedicated to actively pursuing industry initiatives that allow the Tri-State membership to continue to benefit from reliable, affordable and responsible power.

Kevin Carden, Principal, Astrapé



Mr. Kevin Carden is the Director of Astrapé Consulting, an energy consulting organization with a focus on resource planning. Under Kevin's leadership for the past 17 years, Astrapé Consulting has provided consulting services to utilities, regulators, and ISOs worldwide. He also led the redevelopment of SERVM, a now industry-leading Resource Adequacy Planning tool, licensed by Astrapé. Additional responsibilities have included reliability and resource adequacy studies for clients across the U.S., project financial analysis, RFP independent evaluation, renewable capacity valuation, demand-side management program development, and contract management for many large capital projects. Kevin holds a B.S. in Industrial Engineering from the University of Alabama. Kevin holds a U.S. patent in Generation Reliability Modeling techniques (#7698233)

Dr. Jim McCalley, Professor & Chair in Power Systems Engineering, Iowa State University



James D. McCalley received the B.S., M.S., and Ph.D. degrees from Georgia Tech in 1982, 1986, and 1992, respectively. He was employed with the Atlanta Gas Light-Company from 1977-1982 and with Pacific Gas and Electric Company (PG&E), San Francisco, from 1985 to 1990. He is an Anson Marston Distinguished Professor and the London Professor of Power Systems Engineering in the Department of Electrical and Computer Engineering at Iowa State University (ISU) where he has been employed since 1992. His research and instructional activities all revolve around electric power systems, with emphasis on long-term planning, transmission, power system dynamics, electricity markets, and renewable integration. He was elected as an IEEE Fellow in 2003. He was a registered professional engineer in California.

Dr. Kelli Joseph, Senior Fellow, Electricity Market Design, Kleinman Center for Energy Policy, University of Pennsylvania



Dr. Kelli Joseph works at the intersection of policy and markets, focusing on the reliable transition of the electricity sector to support a decarbonized, climate resilient economy. She is an expert on electricity market design, electricity regulatory policy, utility rate design, power system economics, gas/electric system coordination, and climate policy. Kelli has worked in Grid and Market operations at the New York Independent System Operator (NYISO), in the Energy and Extractives practice at the World Bank, and on market strategy for some of the largest power producers across the U.S. organized wholesale power markets. Dr. Joseph currently works in climate risk and renewable energy finance credit risk at a regional commercial bank and is a Senior Fellow in Electricity Market Design at the University of Pennsylvania Kleinman Center for Energy Policy.

Dr. Joseph holds a Ph.D. in Political Economy from the University of Virginia, an M.A. in Sociology from the University of Virginia, and an MBA, with a concentration in Finance, from IE Business School in Spain, where she was a U.S. Fulbright Scholar.

Joshua C. Macey, Assistant Professor of Law, The University of Chicago Law School



Professor Josh Macey teaches and writes about bankruptcy, environmental law, energy law, and the regulation of financial institutions. Josh is the three-time winner of the Morrison Prize for most influential environmental law article of the previous year ("Zombie Energy Laws," 73 *Vanderbilt Law Review*; "Long Live the Federal Power Act's Bright Line," 134 *Harvard Law Review*; "Clean Energy Through Grid Reliability," 74 *Stanford Law Review*).

Professor Macey graduated from Yale College, the London School of Economics, and Yale Law School. He has worked at Morgan Stanley and clerked for Judge J. Harvie Wilkinson III on the Court of Appeals for the Fourth Circuit.

Dr. Mark Nutt, Manager, Nuclear Energy Market Sector, Pacific Northwest National Laboratory



Dr. Mark Nutt joined PNNL in September 2018 as manager of the Nuclear Energy sector, overseeing programmatic support of the DOE Office of Nuclear Energy (DOE-NE), the U.S. Nuclear Regulatory Commission (NRC), and commercial and international clients.

Dr. Nutt also serves as the U.S. representative and is the chairman of the International Atomic Energy Agency's Technical Working Group for Fuel Cycle Options and Spent Fuel Management. He previously served as the national technical director (NTD) of the Integrated Waste Management program in DOE-NE's Office of Spent Fuel and Waste Disposition Program and was responsible for planning, coordinating, integrating, and managing a team comprised of national laboratories and contractors to support the DOE's efforts to implement an integrated waste management system for spent nuclear fuel and high-level nuclear waste.

From 2006 to 2018, Dr. Nutt served as a principal nuclear engineer in the Nuclear Engineering Division at Argonne National Laboratory (ANL). He served as the deputy NTD of the DOE-NE Used Fuel Disposition Research and Development campaign. He was responsible for the management of that program, establishing research and development priorities related to the geologic disposal of nuclear waste, and performing technical work evaluating the performance of geologic disposal systems. He also performed research on the waste management performance attributes of advanced nuclear fuel cycles and investigated alternative disposition pathways and served as the co-chairman of the Waste Management Working Group under the U.S.-Japan Joint Nuclear Energy Action Plan.

Prior to joining Argonne National Laboratory in 2006, Dr. Nutt spent over nine years working on the DOE Yucca Mountain Project performing a variety of activities in support of DOE's efforts to develop a license application for submittal to the NRC for authorization to construct a geologic repository. He also has assessed the performance of facility designs for the disposal of low-level radioactive waste and spent four years as a reactor support engineer at a nuclear utility.

Dr. Nutt received his BS, MS, and PhD degrees in nuclear engineering from Iowa State University. He has also received management and leadership education and training, including completion of the Strategic Laboratory Leadership Program at the University of Chicago Booth School of Business.

Peter Dotson-Westphalen, Sr. Director of Regulatory & Government Affairs, CPower



Peter Dotson-Westphalen has 17 years of experience in the energy industry beginning at Constellation Energy and most recently with CPower Energy Management. CPower is the leading, national distributed energy resource (DER) monetization and virtual power plant provider, with 6.7 GW of capacity at more than 27,000 sites across the United States. In his role as Sr. Director, Regulatory & Government Affairs, he has advocated to advance DER interests in ISO/RTO stakeholder groups and with state and federal regulatory bodies.

He has also managed wholesale and retail demand response portfolios across the CAISO, ERCOT, MISO and NYISO markets. He previously served as chair of NYISO's Price Responsive Load Working Group, vice-chair of ERCOT's Demand Side Working Group and chair of Advanced Energy Management Alliance's New York/ New England and Texas committees. Peter holds a BA in Environmental Studies from the University of Vermont and is a Certified Energy Manager.

Bill Skubal, Director of Operations/COO, Cedar Falls Utilities



Bill Skubal has been the Director of Operations/Chief Operating Officer for Cedar Falls Utilities (CFU) since 2014 where he is responsible for the operation of the Electric, Gas and Water Utilities. He serves on Iowa State University's Electric Power Research Center's Technical Advisory Committee (EPRC TAC). He is also a Board member of Central Plains Energy Project (CPEP), a Nebraska interlocal government joint action agency.

He started his career at CFU in 2006 as the Electric Operations Manager where he was responsible for Electric Transmission, Distribution and Substation Engineering, Drafting and the Electric Meter Department. He also managed the construction portion of the Fiber to the Premise (FTTP) project at CFU.

Prior to joining CFU, he was a Facilities Maintenance Supervisor at the John Deere Foundry and prior to that was a Distribution Engineering Supervisor at MidAmerican Energy. Skubal was responsible for managing and engineering numerous large construction projects in both of these positions. Bill received his Bachelor of Science Degree in Electrical Engineering from Iowa State University in 1990.

Sam Stineman, Director of Generation Assets, Central Iowa Power Cooperative



Sam Stineman is Director of Generation Assets at Central Iowa Power Cooperative (CIPCO). His nearly twenty years of experience includes thermal plant performance and project engineering, environmental compliance, NERC compliance, and generation operations management. He works closely with CIPCO's resource planning department, and routinely interfaces with market operations and fuel supply business partners. Sam holds a B.S. Mechanical Engineering degree from Iowa State University and is a registered professional engineer in the state of Iowa.

Zac Ruzycski, Director of Resource Planning, Great River Energy



Zac is the director of resource planning at Great River Energy, a not-for-profit generation and transmission utility serving 27-member owner cooperatives throughout Minnesota. His department is responsible for long-term strategy and planning for GRE's power supply portfolio, including quantitative analytical work like energy and demand forecasting and econometric modeling, regulatory affairs, and all renewable energy development and purchases. Prior to his work at GRE, Zac worked for the Minnesota Department of Commerce and the Indiana Department of Environmental Management. He received master's degrees from the Indiana University O'Neill School of Public and Environmental Affairs focusing on energy economics and policy.

Sarah Freeman, Commissioner, Indiana Utility Regulatory Commission



Sarah Freeman was appointed by Governor Mike Pence as Commissioner on September 19, 2016, and was most recently reappointed by Governor Eric Holcomb on December 20, 2021.

Commissioner Freeman sits on the Board of Directors of the National Association of Regulatory Utility Commissioners (NARUC), is a member of the NARUC Committee on Telecommunications, and chairs its Subcommittee on Education and Research. She serves on the Board of Directors for the Universal Service Administrative Company, chairs the MISO Advisory Committee, and is a member of the EPRI Advisory Council. Freeman is also Treasurer of the Mid-American Regulatory Conference and Immediate Past President of the Organization of MISO States.

Prior to her appointment, Commissioner Freeman served as a senior staff attorney with the nonpartisan Indiana Legislative Services Agency, where she drafted utility and transportation legislation and served as counsel to numerous legislative committees.

A native Hoosier, Sarah earned her undergraduate degrees in psychology, French, and political science from Indiana University – Bloomington and her juris doctor degree from the Indiana University Maurer School of Law.

Commissioner Freeman lives in Indianapolis with her husband, Ian Stewart, and their daughter, Nia Stewart. They are members of Indianapolis Hebrew Congregation.

Dr. Debbie Lew, Associate Director, ESIG



Dr. Debra Lew is the Associate Director of the Energy Systems Integration Group. Her expertise lies in leading power system studies to decarbonize our energy system, including studies focused on wind, solar, transmission and distributed energy resources (DERs). She has a focus on 100% clean energy. She previously worked at GE Energy Consulting and the National Renewable Energy Laboratory, including secondment to the Hawaiian Electric Company. She is the Immediate Past Chair of the IEEE Power & Energy Society's Wind and Solar Power Coordinating Committee, a member of IEEE's Standards Coordinating Committee 21 that oversees the IEEE 1547 DER

interconnection standard, and a member of IEA Wind Task 25. She has a PhD in Applied Physics from Stanford University and a BS degrees in Electrical Engineering and Physics from MIT.

Chance Moore, Team Lead of Resource Planning, Alliant Energy



Driven by a passion for problem solving, Chance acquired a bachelor degree in Chemical Engineering from Iowa State University in 2013. After graduating, Chance took a job with Alliant Energy as a Thermal Performance Engineer, where he helped ensure generation facilities operated efficient and reliably. He operated in this Generation Engineering role for nine years, taking on a team lead role and management role throughout that progression.

Excited to expand his knowledge and continue to help solve challenging problems, Chance moved into a Team Lead of Resource Planning Role in December of 2022. He is still in this role, managing a young and talented team of two, and working collaboratively with his manager, Brent Kitchen, and another Lead Resource Planner at Alliant. In his time as Team Lead of Resource Planning, he has overseen the MISO Planning Resource Auction for Alliant, ensuring a smooth integration into MISO's new seasonal construct. Additionally, he works with the team to develop its Integrated Resource Plans. He is currently developing the team to bring IRP modeling efforts in-house.

Outside of work, Chance prioritizes time with his family, which includes his wife and three young kids, and cooking.

Christopher Shaw, Director of Resource Planning, Xcel Energy



Chris Shaw has been the Director of Resource Planning for Xcel Energy's Upper Midwest System since September 2023 overseeing the development of Xcel's most recent resource plan. Before moving to resource planning, Chris worked in Xcel's regulatory affairs department. Prior to his work at Xcel, Chris was a rates analyst at the Minnesota Department of Commerce.

Trey Mayeux, Manager – MISO Policy & Rates, Cleco Power LLC



Trey is the Manager of MISO Policy & Rates for Cleco Power. In this role, Trey is responsible for the coordination, identification, and resolution of FERC/MISO-related issues. He also spearheads MISO policy development for the company. He represents Cleco Power in most MISO Stakeholder groups. Trey also manages the wholesale transmission rate function for Cleco Power.

During his 15-year tenure, Trey began working at Cleco as a Real-Time energy Trader in 2008 and has performed various roles in the DA/RT functions on the trading floor.

Trey has a B.S. in Business Management and Marketing from Louisiana College.

Bryan Garnett, RTO Policy & Compliance Manager, Duke Energy



Bryan Garnett is an RTO Compliance and Policy Manager for Duke Energy. His duties include advocating and implementing policies for Duke Energy involving Duke's Midwest portfolios for both PJM and MISO. He works at both the state and federal level to ensure that Duke Energy's interests are aligned in the RTOs. He is also involved with some of the strategic decisions involving the Midwest and Southeast portfolio management.

Prior to this position, he was the power trader for Duke Energy Ohio's deregulated portfolio in PJM. Prior to this, he spent five years as a power trader for both Cinergy and the Williams Companies in the northeast regions. Bryan holds a BS in finance and management from the University of Virginia. He currently lives in Charlotte, NC with his wife and two kids.