

Presentation: Trends from the Annual Transmission Data Reviews



Catherine Jereza, Deputy Assistant Secretary, TPTA, Office of Electricity, DOE

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 (OE). She is responsible for leading the Department's institutional efforts to develop reliable, resilient and affordable electricity infrastructure. Ms. Jereza has 25 years of experience managing change in the energy, water and manufacturing industries, where she led multiple startup, turnaround and major problem solving initiatives that delivered real-world solutions with high-impact results.

Prior to joining OE, Ms. Jereza served as the Director for Infrastructure Resilience at the Edison Electric Institute (EEI) where she helped launch the Smarter Energy Infrastructure Initiative and the Electricity Subsector Coordinating Council's Cyber Mutual Assistance program. She holds an MBA from the Loyola University Maryland and BS in Chemical Engineering from the Virginia Polytechnic Institute and State University.

Panel I. Are there unmet needs for additional long-distance, high voltage transmission lines?

Moderator

David H. Meyer, Senior Advisor, Office of Electricity, DOE

David Meyer has worked on electricity policy issues at the Department of Energy for more than thirty years. He is a Senior Advisor in the Department's Office of Electricity, where he works on institutional and policy challenges related to the modernization, expansion, reliability, and security of electricity grids in the United States.

David has a B.Sc. from Ohio State University and a Ph. D. from Johns Hopkins University.

Panelists



Steve Naumann, Vice President, Transmission and NERC Policy, Exelon Corporation

Steven T. Naumann is Vice President, Transmission and NERC Policy at Exelon Corporation. He is responsible for developing policy for Exelon on transmission pricing, cost allocation, and high-level transmission planning policy nationwide. He also directs the development of reliability policy issues relating to standards, compliance and other issues involving NERC and recently has served on advisory groups for NERC special assessments. Mr. Naumann joined Commonwealth Edison Co. following service as an officer in the United States Air Force. In over 40 years at Exelon and Commonwealth Edison, Mr. Naumann has held numerous engineering, managerial and executive positions responsible for the planning, operation, and security of the electric delivery system. He has participated on committees, working groups and task forces of NERC and the Mid-America Interconnected Network Regional Reliability Council (MAIN), including serving as Vice Chairman of the MAIN Board. Mr. Naumann served on NERC MRC as a representative of the Investor Owned Utilities and as Vice Chairman and Chairman. He has testified before Congress, FERC, the Illinois Commerce Commission and the Public Service Commission of Wisconsin.

Mr. Naumann received B.S. and M. Eng. degrees in Electric Power Engineering from Rensselaer Polytechnic Institute in 1971 and 1972, respectively, and a J.D. from Chicago-Kent College of Law in 1988. He is a Registered Professional Engineer in the State of Illinois and is licensed to practice law in Illinois.



Ed Tatum, VP of Transmission, American Municipal Power

Edward D. Tatum, Jr. joined AMP in 2015 as Vice President of Transmission. He previously served as Vice President of RTO and Regulatory Affairs for Old Dominion Electric Cooperative in Virginia, and held positions with Oglethorpe Power Cooperative in Georgia and the Rural Electrification Administration in Washington, D.C.

With over 35 years working in the energy industry with public power, Tatum has developed an extensive background in system planning (transmission, generation and distribution), forecasting, environmental licensing and compliance and competitive power supply. He has over 25 years of experience in developing utility industry federal policy, including open access transmission, competitive markets (generation interconnection, energy markets, resource adequacy constructs, RTO governance), transmission planning and demand response.

For over 20 years Tatum has been an active participant in PJM stakeholder process. He has served as a sector representative on the Finance, Nominating and Liaison Committees, as the Vice-Chair then Chair of the Reliability Assurance Agreement Reliability Committee, the Vice-Chair, then Chair of the Members Committee and the Chair of the Liaison Committee. He also served on the MAAC Board.

He holds a bachelor's degree in electrical engineering from the University of Virginia and a Master of Business Administration from the University of Richmond.



Kenneth Seiler, Executive Director, System Planning, PJM

Kenneth S. Seiler, Executive Director – System Planning, PJM Interconnection, is responsible for the analytical activities in the development of the Regional Transmission Expansion Plan, interregional planning, and the generation interconnection process. He leads the Planning Committee and the Transmission Expansion Advisory Committee and supports public policy needs of the various regulatory agencies and the PJM states to ensure a timely and comprehensive region wide expansion plan.



Alan Myers, Director, Regional Planning, ITC Holdings

Alan Myers is Director, Regional Planning, ITC Holdings Corp. He is responsible for technical and planning activities for ITC to include the ITC Great Plains operating company as well as the company’s grid development activities nationwide.

Possessing more than 30 years of utility industry experience, Mr. Myers has played an integral role in the development and growth of ITC Great Plains – a new greenfield utility formed in 2006 – as well as the planning, routing and siting approval processes for over 300 miles of 345 kV transmission line projects undertaken by ITC Great Plains since 2009. Mr. Myers is a tenured participant in the Southwest Power Pool process and currently active on several technical committees within SPP to include the Economic Studies Working Group of which he serves as chairman.

Before joining ITC in 2006, Mr. Myers served as manager of transmission services at Aquila, Inc., where he was responsible for managing short and long-term transmission planning, transmission interconnection agreements, transmission customer issues, and administration of Aquila’s open-access transmission tariffs. Mr. Myers holds a Master of Science degree in electrical engineering and Bachelor of Science in electrical engineering from Kansas State University.

Panel II. Challenges to building transmission facilities where and when needed: Permitting/siting issues

Moderator

Julie A. Smith, Office of Electricity, DOE

Julie Ann Smith, PhD is a Program Management Analyst with the U.S. Department of Energy’s Office of Electricity, and has worked in the energy policy, regulatory review and infrastructure permitting arena for 10 years. Previously she served as NEPA Compliance Officer for DOE’s nuclear waste management program, as well as an Environmental Protection Specialist in the DOE Office of NEPA Policy and Compliance and at the Federal Transit Administration. Julie represented DOE on the Rapid Response Team for Transmission from 2013-2016, and continues to represent DOE on the One Federal Decision working group in support of energy infrastructure project permitting improvements. She currently acts as a NEPA Compliance Officer for the Office of Electricity, as a Presidential permit program regarding international electric power transmission lines, and as acting Critical Electric Infrastructure Information (CEII) coordinating designee. Julie has her doctoral degree and M.A. in Political Science and her Bachelor of Science in Environmental Chemistry.

Panelists



Rich Sedano, President, Regulatory Assistance Project (RAP)

RAP president Richard Sedano brings decades of industry and regulatory experience in developing creative, context-specific energy policies, and he continues to advise governments on the “power sector of the future” and energy efficiency policy. Mr. Sedano works collaboratively with our regional leadership to advance power sector reform and environmental policy, cost-effective paths to a low-carbon energy sector, and practical solutions to the challenges of integrating renewable energy sources into the grid and scaling up energy efficiency resources.

Most recently, Mr. Sedano was director of RAP's U.S. program, where he advised state utility commissions and other decision-makers, often working with them in workshop settings, on energy efficiency, demand response, renewable energy, pricing, grid modernization, transmission, and wholesale electric market issues. Prior to joining RAP in 2001, Mr. Sedano served as commissioner for nine years and held various engineering staff positions with the Vermont Department of Public Service (VDPS). Mr. Sedano served as chair of NASEO from 1998-2000, and is a member of the board of directors of the Northeast Energy Efficiency Partnerships and an advisor to the Rocky Mountain Institute's e-Lab. He received his bachelor's in engineering from Brown University and his master's degree in engineering management from Drexel University.



Dan Belin, Director, Electric Transmission, Ecology & Environment, Inc.

Mr. Belin's 22 years' experience in natural resource inventory and impact assessment includes aquatic and terrestrial ecology and natural resource management with special expertise in National Environmental Policy Act (NEPA) permitting, energy facility siting, and geographic information systems (GIS) analysis. His environmental impact assessment experience for energy infrastructure facilities includes EISs and EAs for transmission lines, wind farms, solar facilities, liquefied natural gas (LNG) terminals, natural gas pipelines and other linear facilities, hydroelectric dam relicensing, deepwater port permitting, and mine reclamation studies. As electric transmission sector lead, Mr. Belin directs E & E's global efforts in electric transmission-over 16,000 miles of projects in North and South America-including managing and directing projects and staff involving impact assessment, GIS and LiDAR analysis, habitat restoration, threatened and endangered (T/E) species surveys, ESA Section 7 consultation; wetland delineation and 401/404 permitting; NHPA Section 106 consultation and public involvement strategies. Mr. Belin has BA degree in History and Environmental Studies from Yale University and an MS in Forestry from the University of Massachusetts at Amherst.



Georgeann Smale, Senior Realty Specialist, Washington Office, Bureau of Land Management, Department of Interior

Georgeann Smale is a Senior Realty Specialist in the Bureau of Land Management with 10 years of realty experience. She is the lead for BLM right-of-way policy for electric transmission and is located in the BLM Washington Office. Currently she is overseeing the West-wide Energy Corridor reviews, as well as developing guidance to implement the recent FLPMA amendment on Vegetation Management, Facility Inspection, and Operations and Maintenance Relating to Electric Transmission and Distribution Facility Rights-of-Way.



Bess Gorman, Assistant General Counsel, National Grid

Bess Beikoussis Gorman is Assistant General Counsel & Director of Siting for National Grid located in Waltham, Massachusetts. She has focused on the siting and permitting of National Grid's electric and gas infrastructure in New England since 2006. She has been involved in numerous state siting proceedings for electric transmission lines, electric substations and natural gas distribution pipelines. Prior to that, Bess focused her practice in real estate at National Grid and the law firm of Lyne, Woodworth & Evarts in Boston, MA. Bess is admitted to practice in Massachusetts, Rhode Island and the District Court of Massachusetts. Bess received her B.S., *magna cum laude*, in Chemical Engineering from Tufts University in 1985 and her J.D., *cum laude*, from Boston College Law School in 1989.

Panel III: Are existing remedies adequate?

Moderator



Joe Eto, Senior Advisor, Electricity Markets and Policy Group, Lawrence Berkeley National Laboratory

Joe Eto is a staff scientist at the Lawrence Berkeley National Laboratory where he is a senior advisor for the Electricity Markets and Policy Group and the Energy Storage and Demand Resources Division.

Among other things, he has spent the past 15+ years conducting research on advanced transmission technologies, reliability standards and metrics, regional transmission planning, and wholesale markets.

Joe has supported the U.S. Department of Energy's Office of Electricity by serving on the US-Canada investigation of the August 14, 2003 blackout, and by assisting in the preparation of DOE's National Electric Transmission Congestion Studies.

Panelists



Rob Gramlich, President, Grid Strategies LLC

Rob Gramlich is President of Grid Strategies LLC where he provides analysis, strategic assessment, and communications on wholesale market and transmission policy. He works mainly for regulatory commissions, NGOs, and organizations involved in renewable energy integration and delivery. Rob has been SVP and Interim CEO of the American Wind Energy Association, Economic Advisor to FERC Chairman Pat Wood III, and Senior Economist of PJM Interconnection LLC. He has testified before the US Congress, FERC, and state regulatory agencies. His articles can be found at www.gridstrategiesllc.com. He has a BA with honors in economics from Colby College and a M.A. in Public Policy from the University of California at Berkeley.



Traci Bone, Attorney, California Public Utilities Commission

Traci Bone has been an attorney with the California Public Utilities Commission for 16 years, currently representing the People of the State of California in PG&E transmission rate cases and all other FERC issues related to PG&E, including compliance with Order 890 and ROE incentives. During her tenure, she represented the Sacramento Municipal Utility District (with Harvey Reiter, a partner at Stinson Leonard Street LLP) to obtain the January 2018 decision in the 9th Circuit Court of Appeals finding that PG&E should not be entitled to the RTO membership incentive because its membership in the CAISO is not voluntary – it is required by CPUC orders affirmed in state law (decision at CPUC v. FERC, 879 F.3d 966 (9th Cir. 2018)). She also spent 5 years as the transmission permitting advisor to Commissioner Dian Grueneich, working specifically on the Sunrise Power Link Line constructed by SDG&E and the Tehachapi Renewable Transmission Plan pursued by Southern California Edison. Traci graduated from UC Davis Law School (King Hall) with a focus on QF and transmission issues.



Sharon Segner, Vice President, LS Power Development

Sharon Segner is Vice President at LS Power Development, LLC. Sharon has led the company's national efforts related to FERC Order No. 1000 transmission policy and the removal of incumbent transmission owners' right of first refusal. LS Power is a leading advocate in the United States for competitive transmission markets. Prior to her tenure at LS Power, she developed for Competitive Power Ventures two large natural gas projects in the Washington, DC area. Formerly, she was the lead developer at PG&E National Energy Group on the 650-MW Otay Mesa Project in San Diego County, California. She also was the Principal Advisor to the Chairman of the Senate Energy Subcommittee on Energy from 2002 to 2006, during the passage of the Energy Policy Act of 2005. Sharon was involved the drafting of the natural gas provisions of the Energy Policy Act of 2005. Sharon later served in the White House / Executive Office of the President's Office of Management and Budget focused on energy issues. Sharon has a MBA from Rice University and a BA from the University of Texas at Austin.



Omar Martino, Director, Transmission Strategy, EDF Renewables

Omar Martino is responsible for managing all national aspects and issues related to transmission for EDF Renewable Energy's wind and solar pipeline of projects, with an emphasis on economic, financial and regulatory matters related to transmission on both a national and regional basis. He recommends strategies on M&A, project transactions across several markets, and makes decisions regarding internal and external transmission modeling resources and software tools. He has previously held transmission planning roles with Terra-Gen Power, RES Americas, Public Service Company of Colorado, and Exponential Engineering Company. He holds J.S.D. and J.S.M degrees in Risk Management and Compliance from Thomas Jefferson School of Law, and M.S. (Finance/Management), M.E. and B.S. (Electrical Engineering) degrees from University of Colorado.