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**10<sup>th</sup> Annual Transmission Summit**  
**Advanced Transmission Line Technology**  
**November 16**  
**Speaker Biographies**

*A look into the techniques and technologies that can maximize the use of existing transmission lines, including advanced forecasting, equipment rating, and sensor technologies. Speakers will discuss the benefits of and barriers to the adoption of these technologies and contemplate how they see these technologies evolving in the future.*

**Keynote Speaker: Rob Gramlich, Executive Director, WATT Coalition**

Rob Gramlich is Founder and President of Grid Strategies LLC where he provides economic policy analysis for clients on electric transmission and power markets in pursuit of low-cost decarbonization. He serves as Executive Director of Americans for a Clean Energy Grid, Executive Director of the WATT Coalition, on the board of the Business Council for Sustainable Energy Foundation, on the Advisory Council for the Energy Systems Integration Group, on the Advisory Board of the National Regulatory Research Institute's Regulatory Training Institute, and on the DOE "Beyond LCOE" External Advisory Board. Rob oversaw transmission and power market policy for the American Wind Energy Association from 2005 through 2016 as Senior Vice President for Government and Public Affairs, Interim CEO, and Policy Director.

**Moderator: Julie Fedorchak, Commissioner, North Dakota Public Service Commission**

Julie Fedorchak was appointed to the Public Service Commission in December 2012 by Gov. Jack Dalrymple. In 2016, she was elected to a full six-year term. She heads the pipeline, electric transmission, and energy conversion siting; railroad; and consumer affairs portfolios and is the agency's lead for issues relating to the Midwest Independent System Operations. She is currently the Vice-President of the Organization of MISO States, Inc. Julie led efforts to enhance the Commission's pipeline reclamation program; she developed and received legislative approval for a state rail safety program; and she is a tireless advocate for reliable, affordable utility services. She also reinstated the Commission's consumer affairs portfolio to provide greater public awareness, participation, and transparency in the work of the PSC.

**Charlton I. Clark, Vice President of Business Development, WindSim**

Charlton Clark oversaw research and development related to wind energy integration, large scale power system modeling, development of continental-scale wind resource modeling, and the underlying technology that has led to the development of WindSim Power Line. Charlton also served as a member of the Grid Modernization Initiative, as well as, its predecessor the Grid Tech Team, and the International Energy Agency's Wind Annex Task 25.

**Cynthia Crane, Manager, MISO Regulatory Strategy, ITC Holdings Corporation**

Cynthia Crane is the Manager of MISO Regulatory Strategy at ITC Holdings Corp. In her current role, Cynthia is responsible for the ITC companies' MISO planning-related policy issues and supports the companies' activities at FERC, including issues related to rates and finance. She began her energy career at the Pacific Gas and Electric Company in 1986 and joined ITC Holdings in 2007. Her 30+ years of experience offers an in-depth understanding of the policy and technical issues related to the electric and gas industries. She has also served as MISO Planning Advisory Committee Chair since 2017.

**Babak Enayati, PhD, PE, Manager, Technology Deployment, National Grid**

Babak Enayati received his PhD in Electrical Engineering from Clarkson University, USA in 2009. He joined National Grid, USA in 2009 and is currently the Manager of the Technology Deployment team, which is responsible for the implementation of the new technologies to meet National Grid's Intelligent Transmission Network objectives. Since Babak joined National Grid, he has held engineering positions in the Protection Engineering, Retail Connections Engineering, and New Energy Solutions departments. Babak is a registered Professional Engineer (PE) in the state of Massachusetts.

**Jake Gentle, Senior Power Engineer, Idaho National Laboratory**

Jake Gentle is a Senior Power Systems engineer for the Idaho National Laboratory, and currently holds the INL Laboratory Relationship Manager position to the U.S. Department of Energy's Wind Energy Technologies Office (WETO). As a program manager and staff engineer, Jake develops technology and provides technical oversight by coordinating state-of-the-art and innovative solutions for the Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) and Office of Electricity Delivery and Energy Reliability (OE), Department of Homeland Security, Department of Defense, and various electric power industry partners. Since 2009, Gentle has led multiple programs focused on the research of bare overhead line ratings, facilitating the advancement of innovation, verification, and validation of dynamic line rating techniques.