



## **PJM Wholesale Markets 2030; and Transmission for Off-Shore Wind**

April 24, 2019

Bios of Speakers/Moderator



**Ralph Izzo** is chairman and CEO of Public Service Enterprise Group (PSEG). Previously, he was president and chief operating officer of Public Service Electric and Gas Company (PSE&G). Ralph is a well-known leader within the utility industry, as well as the public policy arena. He is frequently asked to testify before Congress and speak to organizations on matters pertaining to national energy policy. He began his career as a research scientist at the Princeton Plasma Physics Laboratory, performing numerical simulations of fusion energy experiments. He has published or presented more than 35 papers on magnetohydrodynamic modeling.

Ralph received BS and MS degrees in mechanical engineering and a Ph.D. in applied physics from Columbia University. He also received an MBA, with a concentration in finance, from the Rutgers Graduate School of Management.



**Michael T. Richard** was appointed Commissioner on the Maryland Public Service Commission in 2016. Prior to joining the Commission, he served as Deputy Chief of Staff to Governor Larry Hogan, advising the Governor on a portfolio of issues including Energy and the Environment.

Previously, he served as at the US Department of Energy as Executive Director of the Secretary of Energy Advisory Board and as Deputy Assistant Secretary for Congressional and Intergovernmental Affairs. Other past positions include Legislative Programs Director and Congressional Information Program Director at the Nuclear Energy Institute; Director of Government and International Affairs at Westinghouse Electric Company; and Director of the Maryland Energy Administration in Governor Robert Ehrlich's administration.

Michael was elected President of the Organization of PJM States, Inc. (OPSI), and is a member of the Committee on Energy Resources and the Environment for NARUC. He also currently serves as the chairman of the Washington Metropolitan Area Transit Commission.

Michael earned his B.A. from Brigham Young, and his M.B.A. from the University of Maryland, College Park.



**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, and policy advocacy. Currently her work focuses on regulatory policy, rate design, utility data access and challenges in designing a “utility of the future” for customer benefit. Kristin is 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, Kristin primarily focused on program design and implementation of federal workforce development and public assistance programs for the City of Chicago and State of Illinois. She is a graduate of Northwestern and the Chicago-Kent College of Law.



**Frederick “Stu” Bresler** is Senior Vice President of Markets and Operation at PJM Interconnection, where he is responsible for all aspects of PJM’s market operations, including the Capacity Market, the Day ahead and Real-Time Energy Markets, Demand Response, the Ancillary Service markets, the Financial Transmission Rights Markets, the market efficiency component of the Regional Transmission Expansion Planning process, and the development and support of the technical systems utilized in markets and operations. He is also responsible for the continued evolution of PJM’s markets, including the integration of renewable resources, and the development of analytics around their performance.

Stu holds a BS in Electrical Engineering and an MBA, both from Penn State, and is a licensed professional engineer in the state of Pennsylvania.



**Cynthia Holland** is Director of the Office of Federal and Regional Policy, where she advises the New Jersey Board of Public Utilities on issues emerging from various federal agencies and the regional transmission organization. In addition to managing the NJBPU’s filings at FERC, she leads the Sustainable and Resilient Infrastructure workgroup for Governor Murphy's 2019 Energy Master Plan.

Cynthia is an active member of the Staff Committee of the Organization of PJM States, and also serves on the NARUC Staff Subcommittee on Electricity. As a former Deputy Attorney General, she currently serves as Chair of the Public Utility Law Section of the New Jersey State Bar Association. Cynthia holds a BA from the University of Georgia and a JD from Seton Hall School of Law.



**Clint Plummer** is Head of Market Strategies and New Projects for Ørsted U.S. Offshore Wind. He was Vice President of Development at Deepwater Wind until its recent merger with Ørsted. Clint led the company's successful effort to be selected as the preferred offshore wind developer for the state of Rhode Island and then managed the pre-construction development of the Block Island Wind Farm, the first of its kind in the country. He also led the company's winning application to acquire the Bureau of Ocean Energy Management's first competitively-leased offshore wind site for the project now known as Deepwater ONE. Clint also successfully secured Ørsted's Power Purchase Agreement with the Long Island Power Authority for the South Fork Wind Farm, as well as its award of Offshore Wind Renewable Energy Credits from the Maryland PSC.

Prior to joining Deepwater Wind, Clint served as Vice President of Asset Development and Underwriting for Endurant Energy, a company he co-founded.

Clint holds Masters' degrees in Engineering and Public Administration from MIT and NYU, respectively, as well as a BA in Business Administration from Ohio State.



**Theodore J. Paradise** is Senior Vice President of Transmission Strategy and Counsel at Anbaric Development Partners. Prior to joining Anbaric, Theodore served as Assistant General Counsel, Operations & Planning for ISO New England, where he managed legal issues related to power system operations and regional and interregional transmission planning. Theodore oversaw several landmark projects for ISO New England, including the rules for reliability, economic and public policy planning under FERC's Order No. 1000. Prior to joining ISO-NE, Theodore was an attorney with the energy practice group of Swidler Berlin Shereff Friendman in Washington, DC.

Theodore holds a JD from Georgetown and BA from the University of Idaho.



**Ken Seiler** is Executive Director of System Planning at PJM Interconnection, where he is responsible for 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.

Prior to his current role, Ken held positions in both engineering and operations at PJM and GPU. He worked in PJM's ITS Division as Senior Director of Infrastructure and Operations, following his senior leadership role in the successful completion of the AC2 program. He also held various management roles in the System Planning and System Operations Divisions.

Ken holds an MBA from Lebanon Valley College and a BS in electrical engineering from Penn State.



**Dr. Willett Kempton** is a professor in the University of Delaware's School of Marine Science and Policy, where he holds a joint appointment in the Department of Electric and Computer Engineering. He is also the Research Director for UD's Center for Carbon-free Power Integration. His research interests include offshore wind power; public support and opposition; policy framework; large scale implementation; electricity policy; and electric vehicles for grid power storage.

Willett is a nationally renowned expert in two renewable energy fields: offshore wind power and electric cars/vehicles. He pioneered vehicle-to-grid (V2G) technology, in which V2G vehicles work like an electrical sponge, absorbing excess energy when demand for power is low and returning some back to the electric grid when the demand for power is high. He also researches the viability and efficiency of offshore wind farms as a source of energy.

Willett holds a BA from the University of Virginia and a PhD from University of Texas, Austin.



**Dr. Jonathan Raab**, President of Raab Associates, is the convener and moderator of the Energy Policy Roundtable in the PJM Footprint. Since 1996, he has also run the New England Electricity Restructuring Roundtable. A national leader in applying consensus building processes to energy, environmental, and regulatory issues, some of his major cases include: the Regional Greenhouse Gas Initiative (RGGI); the New England Demand Response Initiative (NEDRI); market rules for Alberta; the stakeholder process redesigns for PJM and MISO; and Grid Modernization in several states. He has also run stakeholder processes for U.S. DOE, U.S Fish & Wildlife, and U.S. EPA.

Prior to establishing Raab Associates, Jonathan was the Assistant Director of the Electric Power Division at the Massachusetts Department of Public Utilities. He holds a Ph.D. from MIT, and an M.S. and A.B. from Stanford. Jonathan has taught courses at the University of Oregon, Stanford, UMass (Boston) and MIT. He is the author of *Using Consensus Building to Improve Utility Regulation*.