



Transmission System Evolution and Wholesale Market Re-Design for a Decarbonized New England

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Bios of Speakers/Moderator



Dr. Jürgen Weiss is a Principal at The Brattle Group. He is an energy economist with 25 years of professional experience focusing on the intersection of energy and environmental issues and spearheads Brattle's deep decarbonization and electrification efforts. His clients include electric utilities, NGOs and government entities in North America, Europe, and the Middle East. Jürgen has served on advisory councils as diverse as one for California's Low Carbon Fuel Standard, the U.S. Department of Energy's Wind Task Force, and the King Abdullah City of Atomic and Renewable Energy in Saudi Arabia.

A native of Germany, Jürgen holds an MBA from Columbia and a Ph.D. in Business Economics from Harvard.



Dr. Robert Ethier serves as Vice President, System Planning for ISO New England, overseeing the organization's regional and interregional planning process, including development of the biennial Regional System Plan, analysis of new transmission and generation projects for New England, implementation of the FERC-approved generator interconnection process, development of ISO findings for Transmission Cost Allocation, the execution of regional economic planning studies requested by stakeholders, and operation and support of the Forward Capacity Market in New England.

He previously served as Vice President, Market Operations; Vice President, Market Development; Director of Resource Adequacy; and Director of Market Monitoring. Bob also led the ISO's efforts to implement the initial Forward Capacity Auction. Prior to joining ISO New England, he consulted for Stratus Consulting Inc., and Hagler Bailly Consulting, Inc. Bob has authored papers on electricity price volatility, electricity auctions, and asset valuation, including papers in *The Energy Journal*, *Land Economics*, and the *Journal of Environmental Economics and Management*.

Bob holds a Ph.D. and MA from Cornell in Applied Economics and a BA from Yale.



Robert “Bob” Kump was appointed to the position of Deputy Chief Executive Officer and President of AVANGRID in June 2019. In this role, Bob leads the company’s accelerated growth strategy, ensuring the successful execution of the company’s strategic plan.

Previously, Bob served as President and Chief Executive Officer of Avangrid Networks, Inc. where he oversaw AVANGRID’s eight electric and gas utilities serving approximately 3.2 million customers across New York and New England. With more than thirty years of experience in the utility industry, Bob has held a number of executive positions in finance, treasury and investor relations with AVANGRID.

Bob serves on the Advisory Council for Binghamton University’s Watson School of Engineering, and recently joined the Red Cross Board of Directors in Connecticut. He holds a BA in accounting from Binghamton and is a Certified Public Accountant in New York State.



Peter Shattuck is Chief Information Officer and President of Connecticut OceanGrid at Anbaric.

Prior to joining Anbaric, Peter spent nine years as Massachusetts Director and as Director of the Clean Energy Initiative at Acadia Center, a research and advocacy organization focused on energy and climate policy. In these roles, he engaged collaboratively with large energy users, utilities and other stakeholders to develop and implement state and regional programs supporting energy efficiency, offshore wind, clean energy transmission, energy storage and market-based climate policy.

Peter received a B.A. in History from Yale and a MSc. in Environmental Science from Trinity College, Dublin.



Dr. Paul L. Joskow is Professor Emeritus of economics at MIT. He served for ten years as president of the Alfred P. Sloan Foundation. His teaching and research focused on industrial organization, energy and environmental economics, competition policy, and government regulation of industry. While teaching, he also served as Director of the MIT Center for Energy and Environmental Policy.

Paul has served on the U.S. EPA's Acid Rain Advisory Committee and on the Environmental Economics Committee of the EPA's Science Advisory Board. He has published six books and over 125 articles and papers. Currently, he is a Director of Exelon Corporation and a Trustee of the Putnam Mutual Funds and of Yale University. Paul serves as chair of the National Academies Board on Science, Technology and Economic Policy. He is also a member of the Board of Overseers of the Boston Symphony Orchestra, the Scientific Advisory Board of the Institut d'Economie Industrielle and the Fondation Jean-Jacques Laffont (Toulouse, France), and the Secretary of Energy Advisory Board.

Paul received his Ph.D. in Economics from Yale and his bachelor's degree from Cornell.



Dr. Susan Tierney is Senior Advisor at Analysis Group in Denver. An expert on energy policy and economics, she specializes in the electric and gas industries. She has consulted to companies, governments, nonprofits, and other organizations on energy markets, as well as economic and environmental regulation and strategy. Her expert witness and business consulting services have involved industry restructuring, market analyses, utility ratemaking and regulatory policy, clean energy regulatory policy, transmission issues, wholesale and retail market design, and resource planning and procurement.

Sue is a former Assistant Secretary for Policy at the US Department of Energy, state cabinet officer for environmental affairs, and state public utility commissioner. She chairs the Boards of Resources for the Future and ClimateWorks Foundation and is a Trustee of the Barr Foundation and a director of World Resources Institute and of the Energy Foundation.

Sue holds a Ph.D. in regional planning from Cornell and a BA from Scripps.



Dr. William Hogan is the Raymond Plank Professor of Global Energy Policy at the Harvard Kennedy School. He is Research Director of the Harvard Electricity Policy Group in the Mossavar-Rahmani Center for Business and Government and a long-time member of the Kennedy School Faculty Appointments Committee.

He previously served on the faculty of Stanford University, where he founded the Energy Modeling Forum and is past president of the International Association for Energy Economics. Bill's research focuses on the interaction of energy economics and public policy, with an emphasis on the restructuring of the electricity industry in the United States and worldwide. He has worked to design the market structures and market rules by which regional transmission organizations coordinate bid-based markets for energy, ancillary services, and financial transmission rights.

Bill received his undergraduate degree from the U.S. Air Force Academy and his Ph.D. from UCLA.



Abigail Krich is the founder and president of Boreas Renewables, a consulting firm serving renewable energy developers, owners, operators, and advocates. She specializes in helping developers navigate their way through the ISO New England interconnection process, participate in the Forward Capacity Market, and register to sell into the New England wholesale electricity markets. She works with owners and operators to understand how existing and upcoming market rules and compliance requirements factor into their day-to-day operations.

In addition to following the evolving markets, Abby actively advocates within NEPOOL and ISO New England for electricity market rules and system planning that will allow for the development and integration of high levels of renewable energy. Abby currently serves as vice chair of the NEPOOL Variable Resource Working Group. Prior to forming Boreas Renewables, Abby was a Senior Project Developer at Tamarack Energy. She holds a master's in Electrical and Computer Engineering and a BS in Biological and Environmental Engineering, both from Cornell.



Dr. Jonathan Raab has served as the convener and moderator of the New England Electricity Restructuring Roundtable since 1995, and of the Energy Policy Roundtable in the PJM Footprint since 2016.

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); the Greenhouse Gas planning processes for the City of Boston, Maine, and Rhode Island; RPS rules for Massachusetts and Rhode Island; the energy plan for Tennessee; energy efficiency stakeholder processes in California, New Hampshire, and Massachusetts; market rules for Alberta; and Grid Modernization in Massachusetts, New Hampshire and Rhode Island. He has also run stakeholder processes for U.S. DOE, U.S Fish & Wildlife, and U.S. EPA. Jonathan assisted both PJM and MISO in reforming their respective stakeholder processes.

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