



**Quadrennial Energy Review
Second Installment
Electricity: Generation to End-Use
Stakeholder Meeting #2: Boston, MA
April 15, 2016
Salons D, E, F, and L
Boston Marriott Long Wharf, 296 State Street**

As one way to capture the regional diversity of the nation's electricity system, the QER public stakeholder meeting in Boston is intended to cover the footprint of the 21 states and the District of Columbia which are, all or in part, in PJM, ISO-NE, or NYISO.

8:30 AM

Doors Open

9:30 – 10:30 AM

Opening Remarks by Secretary Ernest Moniz, Dr. John Holdren, Assistant to the President for Science and Technology
invited: Governor Charlie Baker, Mayor Marty Walsh, and Members of Congress

10:30 – 11:45 AM

Panel 1
Bulk Power Generation and Transmission: How Can We Plan, Build, and Operate the Appropriate Amount for Future Needs?

The first panel will address the many challenges involved in maintenance and operation of the region's bulk power electric system. Topics to be explored may include: the system's role in reliability, including how to maintain reliability with an evolving resource mix; determination of a capacity mix; resource diversity; cyber- and physical security; centrally-organized and bilateral wholesale electricity markets; the planning, financing, cost-allocation and state & federal siting processes needed to build new generation and transmission; policies affecting how much, if, and when to build, including reducing greenhouse gas emissions and other environmental impacts in a reliable and cost effective manner; multiple jurisdictions and overlapping regulations; increasing interactions with distribution-level activities; changing load growth patterns; innovation and new technologies; and electric – gas and electric – water interdependencies.

- Stephen J. Rourke, Vice President-System Planning, ISO New England
- Richard Dewey, Executive Vice President, New York Independent System Operator
- Gil Quiniones, President and Chief Executive Officer, New York Power Authority
- Carolyn Browne Anderson, Director, Transmission Policy and Insurance, Green Mountain Power
- Dan Dolan, President, New England Power Generators Association
- Camilo Serna, Vice President for Strategic Policy & Planning, Eversource

11:45 – 12:30 PM

Lunch (on your own)

12:30 – 1:45 PM

Panel 2

Electricity Distribution and End-Use: How Do We Manage Challenges and Opportunities?

The second panel will consider the implications of a broad array of existing and emerging technologies and trends, as well as new uses on the distribution grid and grid-edge, which together provide both technical and policy challenges and opportunities to the delivery of energy services to customers. Among many others, some of these factors affecting the development and use of the distribution grid and end-use itself include: Energy efficiency; demand response; distributed generation; digital communications, sensors and control systems; “smart” meters; greater customer engagement; storage; microgrids; electric vehicles; and customers who may only want “plain vanilla” service. Additionally, seventeen states and the District of Columbia have adopted some form of electric retail choice programs allowing end-use customers to buy electricity from competitive retail suppliers.

Separately, these factors can be challenging for grid operators and planners. Taken together, these evolving characteristics will tend to have impacts which must figure into the planning, operations, reliability, resiliency, and economics of the distribution grid. These new sets of circumstances raise important questions on infrastructure financing and development, affordability, rate design, appropriate valuation, business models, as well as numerous jurisdictional and regulatory issues. Regardless of the challenges these changes present to industry planners and government regulators, they also can create opportunities for customers to enjoy the benefits of new and improved services and with carbon reduction and other environmental improvements, with services sometimes provided by new market entrants.

- Ed White, Vice President, New Energy Solutions, National Grid
- Karen Lefkowitz, Vice President, Smart Grid and Technology, Pepco Holdings
- Dena Lee DeLucca, Vice President of Corporate & Member Services and Chief Financial Officer, New Hampshire Electric Co-op
- Roxanne D. Brown, Assistant Legislative Director, United Steelworkers
- Micah Remley, Senior Vice President, Product, EnerNOC
- Ned Bartlett, Undersecretary of Energy and Environmental Affairs, Commonwealth of Massachusetts

1:45 – 3:00 PM

Panel 3

Ensuring Resource Adequacy

The third panel will examine issues surrounding the design and operation of the three eastern wholesale electricity markets, including their effectiveness in providing economic and reliable electricity capacity. Strengths and weaknesses of these current markets will be discussed, including a look forward to their roles in the coming decades.

Panelists will be asked to address a number of issues, including: Market price formation; resource diversity; multiple impacts from an evolving generation mix; entities seeking to self-supply capacity outside of the market; the interplay of state and federal regulation in assuring resource adequacy and RTO/ISO coordination with both; evolving public policy goals and the use of markets or non-market mechanisms to achieve them; impacts from changes at the distribution level that may occur; and electric-gas/oil interdependencies.

- David A. Cavanaugh, Director, Regulatory & Market Affairs-ISONNE, NRG Energy
- Edward Tatum, Jr., Vice President Transmission, American Municipal Power
- Craig Glazer, Vice President – Federal Government Policy, PJM
- William Berg, Vice President Wholesale Market Development, Exelon Corporation
- Lawrence Brenner, Commissioner Emeritus, Maryland Public Service Commission

3:00 PM

Public Comment Period (“Open Mic”)

Each member of the audience who chooses to speak will be permitted five minutes to speak and offer written materials for inclusion in the QER record. Participants will be asked to sign up to speak when they check in.