

FINAL

A meeting of the NEPOOL Participants Committee was held beginning at 10:00 a.m. on Friday, February 5, 2016 at the Seaport Hotel, Boston, MA, pursuant to notice duly given. A quorum determined in accordance with the Second Restated NEPOOL Agreement was present and acting throughout the meeting. Attachment 1 identifies the members, alternates and temporary alternates attending the meeting.

Mr. Joel Gordon, Chair, presided and Mr. David Doot, Secretary, recorded. Mr. Gordon welcomed the members, alternates and guests who were present.

CHAIRMAN'S STATE OF NEPOOL ADDRESS

Referring to presentations by others of the “State of the Union”, “State of States”, and “State of the Grid,” Mr. Gordon provided his “State of NEPOOL” address. He began by thanking members for their prior support and confidence and the opportunity to serve as Chairman for 2016. He reiterated his inaugural pledge to work to ensure that NEPOOL continues to support and encourage open, honest and respectful dialogue among its members, the ISO and state representatives in the stakeholder process and to provide every member a chance to be heard.

Noting that NEPOOL is THE stakeholder organization and forum for providing input on the design and operation of New England’s wholesale electricity markets, Mr. Gordon said NEPOOL succeeds because of the members’ collective willingness to tackle head-on the evolving challenges they face with courtesy and mutual respect. While many of the issues require strenuous advocacy, he viewed NEPOOL members as family members that could advocate for their respective positions while using the NEPOOL stakeholder process to advance for all members the knowledge and understanding of the issues facing the region, and to identify solutions that appropriately consider those diverse concerns and perspectives.

He highlighted the following recent developments related to NEPOOL's business priorities, as reflected in the region's 2016-17 Work Plan and 2016 ISO budgets:

- Descending Clock Auction Forum (Dec. 2015);
- Technical Workshop on FCM & New Generation Interconnection Processes (Dec. 2015);
- Preliminary discussions on a draft NEPOOL Scenario Analysis Proposal, which was intended to provide requirements for a 2016 economic study to inform Participants and the region generally on potential impacts of emerging public policy initiatives on New England's wholesale power markets;
- Ongoing efforts to improve price formation in the Energy and Ancillary Services Markets, with some initiatives in the implementation phase and new potential reforms moving into the stakeholder discussion queue; and
- Discussion and exploration among NEPOOL members, the ISO and state representatives in development of Forward Capacity Market (FCM) design changes related to zones and sloped demand curves, with a FERC filing expected in April.

Looking forward, Mr. Gordon announced a new NEPOOL initiative for 2016, which he referred to as the "NEPOOL Speaker Series," through which thought and policy leaders would be invited to speak at Participants Committee meetings and share their perspectives and insights. He said the first speaker, who would speak at the March 4 Participants Committee meeting, would be President of the National Association of Regulatory Utility Commissioners (NARUC) Travis Kavulla, Commissioner and Vice-Chairman of the Montana Public Service Commission. Mr. Gordon invited members and State officials to share suggestions for other potential speakers.

The Chairman concluded his remarks by thanking the elected NEPOOL Vice-Chairs, the ISO, NESCOE, NECPUC, the Day Pitney team, and all of the members of NEPOOL for his chance to serve and their involvement in the successes of NEPOOL.

APPROVAL OF JANUARY 8, 2016 MEETING MINUTES

Mr. Doot referred the Committee to the preliminary minutes of the January 8, 2016 meeting that had been circulated in advance of the meeting. Following motion duly made and seconded, those preliminary minutes were approved unanimously.

CONSENT AGENDA

Mr. Gordon referred the Committee to the Consent Agenda that was circulated in advance of the meeting. Following motion duly made and seconded, the Consent Agenda was approved unanimously.

REPORT CONCERNING SUPREME COURT *FERC -v- EPSA* DECISION

Mr. Doot referred the Committee to the January 25 Supreme Court decision in *FERC -v- EPSA* (Supreme Court dockets 14-840 and 14-841), which reversed the D.C. Circuit Court of Appeals' May 23, 2014 decision vacating Order 745. He reminded the Committee of the history preceding the decision, beginning in 2011 with FERC's issuance of Order 745 and continuing through the region's various compliance filings in response thereto. He identified some California-specific issues and pending New England-specific appeals that were not yet resolved by the Court's decision. He noted that, in New England, the current plan was for the changes fully integrating demand response (DR) into the region's wholesale electricity markets to become effective on June 1, 2018. The high-level understandings for that integration had been filed with and accepted by FERC, but there remained many details still left to be worked out in the NEPOOL stakeholder process. He also noted that at least one FERC Commissioner, Tony Clark, had suggested in response to the *EPSA* decision that the FERC should thoroughly assess the underpinnings of the DR compensation regime.

In response to members seeking more detail on the remaining pending New England appeals, Mr. Doot explained that the appeals related to how behind-the-meter generation was being treated in comparison to generators participating directly in the wholesale power market. Generators were arguing that FERC's ordered compensation was unduly discriminatory.

Looking forward, Mr. Doot summarized that the ISO would present through the Participant Processes any additional changes needed to effect full integration of DR. The FERC had otherwise ruled on all matters relating to New England's compliance with Order 745 and, in light of the recent withdrawals of complaints concerning DR participation in the capacity markets, FERC had no outstanding issues to address with respect to New England-specific Order 745-related compliance filings.

ISO CEO REPORT

Referencing Mr. Doot's report, Mr. Gordon van Welie, ISO Chief Executive Officer (CEO), summarized that the ISO was working to have DR participate in the Energy Market in the same manner as generation. He stated that DR with one or more Capacity Supply Obligations (CSOs) must offer in the Day-Ahead Energy Market and would be dispatched if those offers were economic and would set the price in the Energy Market if the DR was the marginal resource. To accomplish this, he explained that the ISO would have to modify all of its bidding, clearing and settlement systems, and would review in the NEPOOL stakeholder process any necessary conforming changes to the rules, manuals or procedures. By way of example, rule changes recently provided generators flexibility to make intra-day offers and those changes would need to be conformed to ensure that DR would have the same opportunities. He reported that the full integration effort would require a significant amount of ISO resources beginning in late 2016 and continuing through June 2018.

Mr. van Welie then reported that the ISO had recently published a paper on how energy storage technologies could participate in New England's Markets, which had been circulated to the Participants Committee, noting there were related proceedings in both Massachusetts and Connecticut. He encouraged people to contact the ISO with any questions on the paper.

He referred the Committee to the summaries, which had been circulated and posted in advance of the meeting, of ISO Board and Board Committee meetings that had occurred since the January 8 meeting. Responding to a question concerning ISO Board approval of corporate goals, Mr. van Welie explained that Board discussion concerning key future goals and objectives begins in April each year, and that discussion informs the subsequent budget process and annual Work Plan development. The purpose of ISO corporate goal setting was to coordinate and align goals and objectives throughout the organization based on priorities of NEPOOL and the ISO. For 2016, the major goals and objectives themes were price formation in the Energy Market, Zonal Demand Curves and further enhancements to the Forward Capacity Auction (FCA), and related software, cyber security, winter preparedness, and settlement-related operational metrics. He noted his expectation that goals concerning the full integration of DR would be included in the 2017 and 2018 corporate goals.

ISO COO REPORT

Dr. Vamsi Chadalavada, ISO Chief Operating Officer (COO), reviewed highlights from the February COO report, which was circulated in advance of the meeting and posted on the NEPOOL and ISO websites. Focusing on report highlights, which reflected data through January 27 (January 25 for Real-Time Net Commitment Period Compensation (NCPC)), he reported for January that: (i) Energy Market value was \$408 million, up \$159 million from December 2015 and down \$463 million from January 2015; (ii) natural gas prices were 114% higher than December 2015 average values; (iii) Real-Time Hub LMPs on average were 67%

higher than December 2015 LMPs; (iv) average daily (peak hour) Day-Ahead cleared physical Energy, as a percent of forecasted load, was 100.1%, up from 99.9% in December; (v) daily NCPC totaled \$5.7 million, up \$9,000 from December 2015 NCPC and down \$3.1 million from January 2015; (vi) first contingency payments, totaling \$5.4 million, were \$254,000 higher than December's; (vii) for the second consecutive month there were no second contingency payments; (viii) voltage support payments totaled \$290,000, down \$250,000 from December 2015; and (ix) NCPC payments were 1.4% of the total Energy Market value.

He reported that 2015 economic planning studies were underway, with all three study requests focused on the system impacts of wind generation. He said the ISO was working with NEPOOL to identify by April 1 a 2016 economic study request. He reported that FCA10 was scheduled to begin on February 8, with the results filing to be made with the FERC by the end of February. In response to a question, Ms. Anne George, ISO Vice President, External Affairs and Corporate Communications, stated the ISO would issue a press release when the auction results were available and planned to brief the press and UBS following that release.

Turning to an update on the 2015/16 Winter Reliability Program, Dr. Chadalavada reported an estimated maximum cost exposure of \$38.11 million for the oil program, \$2.75 million for the LNG program, and \$132,000 for the DR program. He referred to a slide reflecting that 21,251 barrels of oil were burned in December and 75,277 barrels of oil were burned in January. He said no program LNG had been used yet and while no DR was called in December, all of the DR resources were called and dispatched on January 5.

Dr. Chadalavada then provided a high-level summary of and preliminary observations regarding Coordinated Transaction Scheduling (CTS) implementation. He stated CTS was successfully implemented on December 15, 2015. Summarizing slides on this topic, he said that scheduled exports continued to be low compared to imports, Day-Ahead transactions continued

to dominate the tie, and energy flows were in the economically justified direction, given comparative regional prices, and had increased under CTS. He said that, based on conversations with Participants, the ISO anticipated that activity on the ties would increase with additional CTS experience. More specifically, he reported the flows were from the lower priced region to the higher priced region 65.4% of the time, compared to 50% of the time pre-CTS. Dr. Chadalavada reported also that Dr. David Patton, ISO External Market Monitor (EMM), had been analyzing CTS implementation and indicated to the ISO Board's Markets Committee that he was pleased with the early results, particularly when compared to the PJM/NY Interface. Dr. Chadalavada indicated that the ISO would provide a more detailed analysis of CTS implementation over the summer.

In response to questions, Dr. Chadalavada noted that the Interstate Reliability Project (IRP) had facilitated outage planning, minimizing the need for supplemental and second contingency commitments. He distinguished that general outcome from experiences in Northeast Massachusetts (NEMA), which remained somewhat constrained given limited resources in that load pocket. He expected, therefore, that the IRP would not have as much of an impact on uplift in NEMA.

Dr. Chadalavada concluded his presentation by reviewing a chart of the ISO's accuracy in forecasting LMPs for New England. He reported that about 80% of the time, the average between forecast prices and actual prices was \$8 and about 65% of the time it was \$4, with the average difference between actual and forecast prices for January of \$-0.43/MWh, reflecting no bias in the forecast inaccuracies. He explained that forecasts do not capture short duration contingencies because the markets do not have enough time to react to very short duration price spikes.

ISO IMM QUARTERLY MARKETS REPORTS - Q3 AND FALL 2015

Dr. Jeffrey McDonald, ISO Internal Market Monitor (IMM), referred the Committee to the Quarterly Market Performance Reports for the third calendar quarter (Q3) of 2015 (covering July – September) and the Fall quarter (September – November). He noted that future reports would continue to be organized by seasonal quarter rather than calendar quarter, consistent with the EMM's reports. Concern was expressed with Market Participants' ability to compare historic numbers. Dr. McDonald stated the IMM intended to present more of its information graphically rather than in tabular form, and for comparative purposes would depict performance for the prior three to five years (but not further back) using the new period definitions.

Reviewing the highlights from 2015 Q3, he noted the following: (i) the estimated total wholesale market costs were \$1.53 billion, 7% below Q3 2014 costs, with lower natural gas prices being the primary reason for that decrease; (ii) on average, there was a \$3/MWh premium in Real-Time LMPs compared to Day-Ahead LMPs, with the higher frequency of Real-Time reserve pricing contributing to the premium; and (iii) total NCPC payments were \$28.3 million, which was a 32% increase from Q3 2014, with the primary reasons for that increase being several days with very low Real-Time prices and increased posturing of limited energy resources. Dr. McDonald explained that his staff was performing expanded analysis on the topic of Real-Time and Day-Ahead price convergence for the IMM's Annual Markets Report. He noted that most reporting on price convergence had looked at simple averages over time. Prices could be expected naturally to diverge when events happen in Real-Time that Market Participants did not anticipate in the Day-Ahead Energy Market. Dr. McDonald agreed that price divergence may also occur because of the absence of co-optimization of energy and reserves in the Day-Ahead Energy Market.

Dr. McDonald then reviewed the following highlights for Fall 2015: \$1.4 billion in estimated total wholesale market costs, which was 11% below Fall 2014, again with lower natural gas prices as the primary driver as well as reduced load in 2015; prices in the Day-Ahead and Real-Time markets were comparable, with a slight Day-Ahead premium of \$1/MWh; and \$40.2 million in total NCPC payments, which was 89% higher than 2014. He noted that lower Real-Time prices increased Real-Time first contingency NCPC payments. He noted further that units in NEMA were paid second contingency NCPC for local reliability protection in both the Day-Ahead and Real-Time Energy Markets. In response to whether another driver of the increase in NCPC was the changes to increase bid flexibility that had been implemented, Dr. McDonald agreed, noting Fall 2014 was prior to implementation of the hourly offer flexibility changes, which included a settlement change that increased NCPC.

Dr. McDonald referred to and summarized charts reflecting wholesale market costs for 2013-2015 by season, noting that the charts would be expanded to include five years in the Annual Markets Report. Focusing on the summer period, he noted the following: there was a 4% increase in Real-Time loads from Summer 2014 to Summer 2015, natural gas prices were 20% lower in 2015 than 2014, having decreased from \$2.98 per MMBTU to \$2.38 per MMBTU. Turning to the Fall, he noted that gas prices in 2015 were \$3.29 per MMBTU on average compared to \$4.04 on average in Fall 2014. He showed that average Real-Time and Day-Ahead LMPs followed gas prices closely, but not exactly since gas generation was not always the marginal unit fuel setting Day-Ahead and Real-Time prices. He explained further that the curves depicting the two commodities assumed a gas-fired generator with a 7,800 Btu/kWh heat rate when, in reality, resources with lower or higher heat rates may be on the margin, which also would cause some divergence between the two commodity curves. He was questioned on this

explanation, with a member noting that some of the curve deviations were the opposite of this explanation. Dr. McDonald agreed to review this and report back.

He then reviewed the chart reflecting the Herfindahl–Hirschman Index (HHI) for the region, noting that the calculation grouped Affiliates and Lead Market Participants together for the calculation. He reminded members of his previous recommendation to improve market power calculations through better Affiliate/Lead Market Participant mapping. Overall, he concluded that HHIs showed that the region was unconcentrated and competitive.

Dr. McDonald concluded his report referring the Committee to charts reflecting the energy supply and demand curve during a recent peak hour. He explained that he chose the peak hour because that was when the system would have been most stressed. He stated that, in order to better understand how the market is working, his staff would be exploring how these curves change over time and different conditions, inquiring of Participants why they were scheduling their resources or offering their virtual bids in a certain way. He noted his expectation that bids for oil and natural gas-fired resources would be driven by their heat rates and fuel prices, and that import and export bids and bids for virtual supply or demand should be clustering within a \$5.00 range of the final clearing prices.

In response to questions concerning the Forward Reserve Market, Dr. McDonald stated the IMM had spent time constructing models to identify appropriate levels for competitive offers in that market. He planned to contact a number of Participants with different types of resources to discuss price expectations and how they form their offers. His schedule was to share his analysis and preliminary conclusions with the Markets Committee in May for additional feedback, and to update and publish his analysis in June in the Spring 2016 Quarterly Report. He reported that he did not have an update on automating the process for mitigation exemptions for forward reserve resources, noting there were several potential solutions under consideration.

On this topic, he indicated that moving forward with an acceptable proposal was a high priority for the IMM, and he hoped to present a preferred proposal in the next several months.

GENERATOR INTERCONNECTION REVISIONS

Mr. Donald Gates, Chair of the Transmission Committee, referred the Committee to the materials circulated in advance of the meeting regarding generator interconnection revisions to Section II (OATT) of the ISO Tariff. He reported that, at the January 26, 2016 Transmission Committee meeting, the Transmission Committee unanimously recommended Participants Committee support for the generator interconnection revisions.

The following motion was duly made, seconded and unanimously approved without discussion, with an abstention noted by SunEdison:

RESOLVED, that the Participants Committee supports the Generator Interconnection Revisions, as recommended by the Transmission Committee and as reflected in the materials distributed to the Participants Committee for its February 5, 2016 meeting, together with such non-substantive changes as may be agreed to after the meeting by the Chair and Vice-Chair of the Transmission Committee.

NEPOOL COMMENTS ON REACTIVE POWER NOPR (RM16-1)

Mr. Gates then referred the Committee to the materials circulated in advance of the meeting regarding supplemental NEPOOL comments in response to the FERC's Notice of Proposed Rulemaking regarding wind generator reactive power requirements (FERC Docket No. RM16-1) (Reactive Power NOPR).

The following motion was duly made, seconded and unanimously approved without discussion:

RESOLVED, that the Participants Committee supports the NEPOOL Supplemental Comments in the Reactive Power NOPR, as recommended by the Transmission Committee and as reflected in the materials distributed to the Participants Committee for its February 5, 2016 meeting,

together with such non-substantive changes as may be agreed to after the meeting by the Vice-Chair of the Transmission Committee.

UPDATE ON NEPOOL SCENARIO ANALYSIS PROPOSAL

Mr. Gordon referred the Committee to the materials circulated and posted in advance of the meeting regarding the draft NEPOOL Scenario Analysis Proposal (Proposal). He reported the Proposal was to follow through on one of NEPOOL's stated business priorities for 2016/17 that called for scenario analyses of the implications of public policy on New England's wholesale electric markets. He reviewed the process to date to prepare the Proposal, reminding the Committee that all members received a first draft on November 19, 2015, and the Proposal had been subsequently modified in light of questions and comments received. He emphasized that the draft Proposal was intended to be a starting point for further discussion at a special NEPOOL meeting to be held following the conclusion of the February 16 Reliability Committee meeting. Mr. Gordon explained that the schedule was to finalize the Proposal by the end of March and to present the Proposal to the ISO by April 1 as an Economic Study for 2016. He encouraged members to review the Proposal in advance of, and to participate in, the special meeting.

A representative of the End User Sector recounted that the request for scenario analyses had been presented to the ISO Board during the End User Sector/ISO Board meetings both at the NEPOOL Summer Meeting and at the November, 2015 meeting. End User Participants were uncertain whether their request to the Board (and separately to the ISO Market Developments team) was captured by the draft Proposal. Mr. Gordon offered his view that it was included, but that that question should be explored at the upcoming special NEPOOL meeting.

Concern was expressed that time was of the essence and it would be very difficult to complete the scenario analysis reflected in the Proposal by the end of 2016, which itself was later than desired. Mr. Gordon shared that concern, noting the plan to drive completion of the

analysis as soon as possible. Noting similar studies had historically taken more than one year to complete, and acknowledging the desire for something sooner rather than later, he suggested that a narrowing of the Proposal may have to be considered.

LITIGATION REPORT

Mr. Doot referred the Committee to the February 4 Litigation Report that had been circulated and posted in advance of the meeting. He highlighted the high-level of activity, including the *ESPA* Supreme Court decision, and noted that the FERC had just granted Calpine the waiver it requested of the FCM qualification rules to allow it to lock in the FCA10 Capacity Clearing Price for the subsequent six Capacity Commitment Periods. Members were encouraged to contact NEPOOL Counsel with comments or questions on any of the reported matters. Mr. Patrick Gerity noted in response to a question that, with rehearing of the FERC order accepting the FCA9 results filing denied in late December and NEPGA's FCA9 DR complaint withdrawn the prior week, no challenges to the results of FCA9 were then pending.

COMMITTEE REPORTS

Officers from each of the Technical Committees reported on the schedule for Committee meetings in February. Mr. Jose Rotger reported that the Transmission Committee would meet on February 23 in Westborough to continue discussion of reactive capability testing and auditing procedures and changes to the Schedule 2 Compensation Program, together with an update on the ongoing settlement discussions in the FERC 206 proceeding regarding RNS and LNS formula rates (EL16-19). Mr. Robert Stein reported that the Reliability Committee would also meet on February 23, following the Transmission Committee meeting, to review FCM Zonal Demand Curves. Mr. William Fowler reported that the Markets Committee was scheduled to meet on February 9-10 in Westborough, with review of local demand curves on February 9 and the balance of general business to be addressed on February 10.

Ms. Rachel Goldwasser, NECPUC Executive Director, encouraged members to visit the NECPUC website, which had a new design, and a link posted on its home page to information regarding the 2016 NECPUC Symposium. Ms. Heather Hunt, NESCOE Executive Director, indicated that NESCOE would post the ICF-prepared “Comparison of Transmission Reliability Planning Studies of ISO/RTOs in the U.S.” on its website and provide an opportunity for Participants to discuss that report. She noted also that NESCOE had helped to facilitate the issuance of the multi-state Clean Energy RFP, but was not involved with responses. Members were told that information concerning the RFP, including public versions of the bids received in response to the Clean Energy RFP, could be found on www.cleanenergyrfp.com.

OTHER BUSINESS

Mr. Gordon reported that the next Participants Committee meeting was scheduled for March 4 at the Colonnade Hotel in Boston, reminded members that NECPUC President and Montana Public Service Commission Vice-Chair Travis Kavulla would be a guest speaker, and encouraged members to attend. Looking further ahead, he reported that the April 8 meeting was scheduled to be held at the Renaissance Providence Hotel in Providence, Rhode Island, and encouraged members to mark their calendars accordingly.

There being no further business, the meeting adjourned at 11:59 a.m.

Respectfully submitted,

David T. Doot, Secretary

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES
PARTICIPATING IN
FEBRUARY 5, 2016 MEETING**

| PARTICIPANT NAME | SECTOR/ GROUP | MEMBER NAME | ALTERNATE NAME | PROXY |
|--|------------------|-------------------|------------------------|---|
| American PowerNet Management | Supplier | | | Mary Smith |
| Ashburnham Municipal Light Plant | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Belmont Municipal Light Department | Publicly Owned | | Phil Smith | |
| Boylston Municipal Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| BP Energy Company | Supplier | | | Nancy Chafetz |
| Calpine Energy Services, LP | Supplier | John Flumerfelt | Brett Kruse | |
| Central Maine Power/United Illuminating Company | Transmission | | | Alan Trotta (tel) |
| Chester Municipal Electric Light Department | Publicly Owned | Phil Smith | | |
| Chicopee Municipal Lighting Plant | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| CLEAResult Consulting, Inc. | AR | Doug Hurley | | |
| Concord Municipal Light Plant | Publicly Owned | | Phil Smith | |
| Connecticut Municipal Electric Energy Coop. | Publicly Owned | Brian Forshaw | | |
| Connecticut Office of Consumer Counsel | End User | | | Dave Thompson (tel) |
| Conservation Law Foundation | End User | Jerry Elmer | | |
| Consolidated Edison Energy, Inc. | Supplier | Jeff Dannels | | |
| Danvers Electric Division | Publicly Owned | | Phil Smith | |
| Dominion Energy Marketing, Inc. | Generation | Jim Davis | | |
| DTE Energy Trading, Inc. | Supplier | | | Nancy Chafetz |
| Dynegy Marketing and Trade, LLC | Supplier | | | Bill Fowler (tel) |
| Emera Maine | Transmission | | Jose Rotger | Stacy Dimou Andrew McCullough Sandi Hennequin (tel) |
| Energy America, LLC | Supplier | | | Nancy Chafetz |
| EnerNOC, Inc. | AR | Herb Healy (tel) | | |
| Entergy Nuclear Power Marketing, LLC | Generation | | Ken Dell Orto | |
| Essential Power, LLC | Generation | M.Q. Riding (tel) | Bill Fowler (tel) | |
| Eversource Energy | Transmission | James Daly | Joe Staszowski (tel) | |
| Exelon Generation Company | Supplier | Steve Kirk | Bill Fowler (tel) | |
| Galt Power, Inc. | Supplier | Nancy Chafetz | | |
| GDF SUEZ Energy Marketing NA, Inc. | Generation | Thomas Kaslow | | |
| Generation Group Member | Generation | | Abby Krich (tel) | Bob Stein |
| Georgetown Municipal Light Department | Publicly Owned | | Phil Smith | |
| Granite Ridge/Merrill Lynch | Supplier | | Bill Fowler (tel) | |
| Groton Electric Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Groveland Electric Light Department | Publicly Owned | | Phil Smith | |
| H.Q. Energy Services (U.S.) Inc. | Supplier | Louis Guilbault | Bob Stein | |
| Harvard Dedicated Energy Limited | End User | Mary Smith | | Paul Peterson Doug Hurley Sarah Jackson |
| High Liner Foods (USA) Incorporated | End User | | William P. Short III | |
| Hingham Municipal Lighting Plant | Publicly Owned | | Phil Smith | |
| Holden Municipal Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Holyoke Gas & Electric Department | Publicly Owned | | | Michael Lynch (tel) |
| Hull Municipal Lighting Plant | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Industrial Energy Consumer Group | End User | Don Sipe | | |
| Ipswich Municipal Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Long Island Lighting Company (LIPA) | Supplier | | William Killgoar (tel) | |
| Littleton (MA) Electric Light & Water Department | Publicly Owned | | Phil Smith | |
| Littleton (NH) Water & Light Department | Publicly Owned | | Craig Kiemy (tel) | |
| Maine Skiing, Inc. | End User | Don Sipe | | |
| Mansfield Municipal Electric Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Marblehead Municipal Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Marble River, LLC | Supplier | | John Brodbeck | Steve Garwood (tel) |
| Massachusetts Attorney General's Office (MA AG) | End User | Fred Plett | | |
| Mass. Development Finance Agency | Publicly Owned | | Phil Smith | |

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES
PARTICIPATING IN
FEBRUARY 5, 2016 MEETING**

| PARTICIPANT NAME | SECTOR/ GROUP | MEMBER NAME | ALTERNATE NAME | PROXY |
|--|------------------|----------------------|-----------------------|---|
| Mass. Municipal Wholesale Electric Company (MMWEC) | Publicly Owned | Michael Lynch (tel) | Chung Liu (tel) | |
| Merrimac Municipal Light Department | Publicly Owned | | Phil Smith | |
| Middleborough Gas and Electric Department | Publicly Owned | | Michael Lynch (tel) | |
| Middleton Municipal Electric Department | Publicly Owned | | Phil Smith | |
| National Grid | Transmission | Timothy Brennan | Timothy Martin | |
| New Hampshire Electric Cooperative (NHEC) | Publicly Owned | Steve Kaminski (tel) | | Brian Forshaw David Mullett Michael Lynch (tel) |
| New Hampshire Office of Consumer Advocate (NH OCA) | End User | Paul Peterson | Sarah Jackson | |
| NextEra Energy Resources, LLC | Generation | Michelle Gardner | | |
| Noble Americas Gas & Power Corp. | Supplier | | Becky Merola | |
| NRG Power Marketing LLC | Generation | Dave Cavanaugh | | |
| Pascoag Utility District | Publicly Owned | | Phil Smith | |
| Paxton Municipal Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Peabody Municipal Light Plant | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| PowerOptions, Inc. | End User | | | Paul Peterson Sarah Jackson |
| Princeton Municipal Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| PSEG Energy Resources & Trade LLC | Supplier | Joel Gordon | | |
| Repsol Energy North America Company | Supplier | Sam Moreton (tel) | Nancy Chafetz | |
| Rowley Municipal Lighting Plant | Publicly Owned | | Phil Smith | |
| Russell Municipal Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Shrewsbury Electric & Cable Operations | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Small Load Response Group Member | AR | Doug Hurley | Brad Swalwell (tel) | |
| Small Renewable Generation Group | AR | Erik Abend (tel) | | |
| South Hadley Electric Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Sterling Municipal Electric Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Stowe Electric Department | Publicly Owned | | Phil Smith | |
| SunEdison (First Wind Energy Marketing, Inc.) | AR | John Keene | | Bob Stein |
| Talen Energy Marketing, LLC | Supplier | Tom Hyzinski (tel) | | |
| Taunton Municipal Light Department | Publicly Owned | | Phil Smith | |
| Templeton Municipal Lighting Plant | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| The Energy Consortium | End User | | Mary Smith | Paul Peterson Doug Hurley Sarah Jackson |
| TransCanada Power Marketing Ltd. | Generation | Dan Congel (tel) | | |
| Union of Concerned Scientists | End User | | Francis Pullaro (tel) | |
| United Illuminating Company (UI) | Transmission | | Alan Trotta (tel) | |
| Utility Services, Inc. | End User | | | Paul Peterson |
| Vermont Electric Cooperative | Publicly Owned | Craig Kiemy (tel) | | |
| Vermont Electric Power Company | Transmission | Frank Etori | | |
| Vermont Energy Investment Corporation | AR | | Doug Hurley | |
| Vermont Public Power Supply Authority | Publicly Owned | David Mullett | | |
| Wakefield Municipal Gas and Light Department | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Wallingford DPU Electric Division | Publicly Owned | Phil Smith | | |
| Wellesley Municipal Light Plant | Publicly Owned | | Phil Smith | |
| West Boylston Municipal Lighting Plant | Publicly Owned | | Michael Lynch (tel) | Chung Liu (tel) |
| Westfield Gas & Electric Light Department | Publicly Owned | | Phil Smith | |
| Wheelabrator North Andover Inc. | AR | Bill Fowler (tel) | | |