

**FINAL**

A meeting of the NEPOOL Participants Committee was held beginning at 10:00 a.m. on Friday, May 4, 2018, at the Doubletree Hilton Boston North Shore Hotel, Danvers, 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. Thomas Kaslow, Chair, presided and Mr. David Doot, Secretary, recorded.

**EXECUTIVE SESSION****CONFIDENTIAL VOTE ON SLATE OF CANDIDATES FOR ISO BOARD**

Mr. Kaslow introduced Mr. Barney Rush, Chairman of the Joint Nominating Committee (JNC), who had joined this portion of the meeting by phone. Mr. Kaslow explained that the identities of the candidates on the proposed slate must remain confidential until the ISO Board takes its final vote on the slate. Accordingly, he said the full discussion of the slate would be held in Executive Session.

Mr. Rush then described the JNC process and identified the slate that was unanimously recommended by the JNC for Participants Committee consideration, referring to the confidential package of materials that was circulated to the members and alternates of the Committee in advance of the meeting. Following his introduction and in the absence of questions, he then left the meeting.

The slate was discussed among the members and alternates and, after that discussion, the following motion was duly made, seconded and approved by more than the 70% Vote required for NEPOOL endorsement, with the vote accomplished by secret written ballot per prior agreement of the Participants Committee:

RESOLVED, that the Participants Committee endorses the slate of candidates for the ISO Board that has been recommended by the

Joint Nominating Committee and presented to the Participants Committee in Executive Session at this meeting.

### **GENERAL SESSION**

Mr. Kaslow opened the General Session portion of the meeting by reporting that Mr. Frederick Plett, End User Sector Vice-Chair and Participants Committee member for the Massachusetts Attorney General's Office, was retiring and this would be his last in-person Participants Committee meeting in those capacities. On behalf of the Committee, Mr. Kaslow expressed appreciation to Fred for his contributions to the Committee. He stated the Committee would invite Fred back at a future meeting for a more formal acknowledgement of his contributions to the Pool.

### **APPROVAL OF APRIL 6, 2018 MEETING MINUTES**

Mr. Kaslow referred the Committee to the preliminary minutes for the April 6, 2018 meeting, revised following multiple circulations in advance of the meeting, and to the preliminary minutes of the April 10, 2018 continuation of the meeting, which had been circulated later with the supplemental materials for this meeting. He asked that the Committee act on the minutes of the April 6 meeting, and consider the April 10 minutes at the June 1 Participants Committee meeting to allow additional time for review for the later-circulated minutes. With no objection to that request, and following motion duly made and seconded, the preliminary minutes of the April 6 meeting were unanimously approved without change.

### **ISO CEO REPORT**

Mr. Gordon van Welie, ISO Chief Executive Officer (CEO), referred the Committee to the summaries, which had been circulated and posted in advance of the meeting, of the ISO Board and Board Committee meetings that had occurred since the April 6 meeting. There were no questions or comments on the summaries.

Mr. van Welie then provided a high-level overview of the ISO's perspective on fuel security. He noted multiple meetings on the topic with State officials and Federal regulators, NESCOE and NECPUC, Electric Power Supply Association, and the New England Council. He reported by way of context PJM's recent announcement of its intent to conduct a fuel security risk analysis that he thought would be similar to the ISO's analysis. He explained that PJM's decision not to act to retain First Energy's coal or nuclear units would likely result in the FERC seeking assurance that fuel security and resilience were being adequately addressed by PJM. He referred to PJM's acknowledgement of fuel security risk and its desire to price that risk in its capacity market. He committed that the ISO would maintain open communications with PJM so each could benefit from the other's respective discussions and analyses. He went on to explain his view that any action by New England would be considered by the FERC in this broader context. He suggested that actions taken in connection with Mystic and Distrigas may be considered by the FERC to be analogous, from a price formation and market point of view, to the various State efforts in PJM to retain nuclear plants. He referred to PJM's "jump ball" filing that could result in broader guidance to all RTOs.

Dr. Vamsi Chadalavada then reviewed the ISO's plans with respect to the three chapters for addressing the circumstances presented by the Mystic retirement request:

- *Chapter 1* would address the ISO's waiver request and the subsequent Exelon filing for a reliability agreement. He reminded members that Exelon was seeking confirmation by the end of 2018 that it would have an acceptable agreement for two years or it planned to retire Mystic 8 and 9 unconditionally. He committed the ISO to review with the Reliability Committee additional information in response to questions relating to the scope of the waiver request.

- Chapter 2 would focus on tools the ISO might need in the medium or longer term to assure fuel security in the absence of successful market signals to achieve that outcome. Specifically, the ISO planned in Chapter 2 to identify and to file Tariff changes authorizing the ISO to retain resources for fuel security during FCA14 and beyond, including in those changes the criteria that the ISO would apply in deciding whether an out-of-market arrangement is justified. He acknowledged that there were questions from the last Reliability Committee meeting that needed to be worked through and that the ISO was considering limiting how long the Chapter 2 changes would remain in effect. Chapter 2 also would focus on how the costs of any reliability agreements for fuel security would be allocated, with a request that the resolution of that issue apply for payments in the Capacity Commitment Period associated with FCA13 as well. The ISO planned to file Chapter 2 changes in November and planned to address price suppression concerns in that filing if possible, although such concerns would likely not be fully addressed until FCA14.
- Chapter 3, as then envisioned, would replace Chapter 2 changes with changes identified in Chapter 3. The intent would be first to ensure a more complete understanding of the challenges to be addressed and then to find market solutions that would help achieve the necessary fuel security through attributes that could be identified and competitively valued. The ISO planned to complete Chapter 3 by the end of the second quarter of 2019.

The Committee then commented and asked clarifying questions. Members noted that, in contrast to the ISO, PJM was engaging stakeholders to talk about the assumptions and scenarios before performing its fuel-risk analysis. Concerns were raised about the ISO's reliance on the Operational Fuel Security Analysis (OFSA) published in January while failing to acknowledge in

its discussion the other scenarios that had been run since then that showed a very different picture for 2024/2025. There were also questions about the ISO's decision to link the retirement of the Mystic units with the continued operation of Distrigas.

In response to those comments and questions, Mr. van Welie acknowledged that there were, and would remain, differences of opinions that he did not think would be resolved through further discussion. He underscored the ISO's paramount role to use its best judgment in addressing its independent assessment of future risks. The ISO had explained its position to stakeholders and he intended for the ISO to present its best case to the FERC. He expected others would do the same, and the ISO would look to the FERC to resolve the differences of opinions on what was best for the region. He made clear the ISO's desire to ensure that the region could maintain Ten-Minute Operating Reserves during future winters, and the ISO's desire to assure that market prices reflect scarcity conditions. He was not willing for the ISO to delay implementation of solutions while arguing about input assumptions, and preferred instead that time be spent defining the services needed to ensure fuel security and reliability and then defining market mechanisms to value those services.

Dr. Chadalavada clarified that the ISO's analysis in its waiver filing did accept stakeholder encouragement that the ISO model higher levels of LNG injection and imports than those previously experienced. Even with those assumptions the case to ensure the availability of Mystic 8 and 9 and Distrigas remained very compelling. He stated that the Chapter 2 process was expected to run May through November, with a filing at the end of that process on both the criteria to be met to justify out-of-market action and the trigger conditions to be applied in future FCAs. He explained that the ISO was thinking that overlapping changes in Chapters 2 and 3 might be dealt with, for example, by Chapter 2 Tariff changes sunseting after two or three auctions, thereby giving the region time to implement Chapter 3 changes. He said the ISO was

thinking about limiting the duration of Chapter 2 changes based in part on feedback about the difficulty of establishing a bright-line trigger that could be acceptable in the long-term given all the other changes in play. He also saw value in the region together reviewing and addressing its experiences in the context of other market developments both inside and outside New England. He wanted the key efforts of the region to focus on enduring Chapter 3 changes, rather than investing substantial time and effort on interim, Chapter 2 changes.

In response to questions regarding price suppression that results from out-of-market arrangements, he explained that the ISO's focus was on addressing potential price suppression in the Forward Capacity Market and not the other markets. He also clarified in response to questions that Chapter 2 changes were planned for FCA14, with a desire to file such changes in time for reflection in retirement bids for FCA14. He acknowledged the schedule was aggressive since the challenges were universal and had not been solved anywhere, and the possibility that some Chapter 2 changes would not be ready by November. He suggested that the region could work together to phase in changes for FCA14 should some elements take longer to identify or implement.

Mr. van Welie reinforced the observation that the issues confronting New England were also being discussed elsewhere. He said the FERC was likely to provide additional thoughts on the matter while New England was working on solutions. He cautioned that the FERC may provide guidance that seeks consistency on the approach taken by all the RTOs.

The Committee discussed the intent for a market solution in Chapter 3 that would result in acceptance of the retirement of Mystic and potentially other units considered under current provisions to be necessary for fuel security. Mr. van Welie acknowledged the theoretical possibility that Mystic and Distrigas continue in operation in the market following the expiration

of the reliability agreements because future market products produce sufficient economic support for such continued operation of Mystic 8 and 9 in the market.

The ISO was urged to move more quickly to address potential price suppression in FCA13. The ISO indicated the potential to begin Chapter 3 discussions as early as June. The suggestion for a sunset on Chapter 2 was designed in part to maintain time pressure on the region to work through the Chapter 3 issues. Dr. Chadalavada expressed his desire that by the end of June 2019 the region will have agreed on a filing that could be implemented shortly thereafter. He also explained that the ISO was in the process of evaluating its Work Plan for the next 18 months given the intensity required to move this issue forward, and would come back to stakeholders with any necessary or suggested adjustments to that Work Plan given the need for accelerated consideration of the fuel security issues.

Dr. Chadalavada responded to questions concerning the trigger conditions and criteria for discussion in Chapter 2, stating the feedback already received on that issue was in part why the ISO would only seek to keep Chapter 2 provisions in place for a short time. He explained that resources would only be able to receive out-of-market support if they submitted Permanent or Retirement De-List Bids. Such treatment would not be available for resources just seeking to de-list for a limited duration. The ISO agreed to consider emissions impacts in Chapter 3 discussions.

There were a number of questions on what might be expected in Exelon's proposed reliability agreement. The ISO explained that negotiations were ongoing and would necessarily continue once Exelon filed its proposed cost-of-service filing. The ISO expected that issues related to the cost-of-service filing would be addressed in the FERC proceeding and possibly in settlement discussions. The ISO clarified that it expected Exelon's cost-of-service filing to reflect, minimally, operations for an additional five years, explaining that there were already

three years of existing capacity commitments for the units and the reliability agreement would extend the units' operations for another two years (2022-2024) from there.

Dr. Chadalavada expressed optimism that the region would find a solution that works for New England. While such a solution may not be perfect, the ISO was committed to find a solution with stakeholders that would address this problem for the foreseeable future.

In closing remarks, a NESCOE representative expressed appreciation for the ISO's acknowledgement that discussion in Chapter 3 must begin with a clearly-defined problem statement before advancing to discussions exploring solutions. The NESCOE representative reported that NESCOE's written communication of this point to the ISO in April was posted on the NESCOE website Resource Center page. Mr. Doot reported that the ISO's waiver filing had been publicly noticed and comments were due on or before May 23, 2018.

## **ISO COO REPORT**

Dr. Chadalavada, ISO Chief Operating Officer (COO), referred to the May COO report, which was circulated in advance of the meeting and posted on the NEPOOL and ISO websites. He said the May COO report reflected data through April 25, 2018. During that time: (i) Energy Market value was \$401 million, up \$31 million from March 2018 and up \$121 million from April 2017; (ii) average natural gas prices were 37% higher than average prices in March 2018; (iii) average Real-Time Hub LMPs (\$46.66/MWh) were 42% higher than March 2018 LMPs; (iv) average daily (peak-hour) Day-Ahead cleared physical Energy, as a percent of forecasted load, was 96.2% in April, down from 97.2% in March 2018; and (v) daily Net Commitment Period Compensation (NCPC) for April (based on data through April 25, 2018) totaled \$11.4 million, up \$7.6 million from March 2018 and up \$8.5 million from April 2017. He noted that the high NCPC in April represented 2.8% of total Energy Market value, and was comprised of the following components: (a) \$4.3 million in first contingency payments, up \$1.9 million from

March 2018; (b) \$7.1 million in second contingency payments, up from zero in March 2018, \$6.8 million of which would be charged to Northeast Massachusetts and Boston Load Zone (NEMA), and \$251,000 (combined) charged to the Southeast Massachusetts (SEMA), Rhode Island and New Hampshire Load Zones; and (c) \$31,000 in voltage payments, down \$1.4 million from March. Continuing discussion of NCPC, he said that the ISO expected about \$1.9 million of the \$6.8 million in second contingency payments charged to NEMA to be reallocated to Network Load regionally. He explained that the ISO had to commit out-of-merit resources in NEMA because there was a 345 kV transmission line outage until June 2 (Line 346) and there were forced and planned outages of units in both NEMA and SEMA impacting the power flow into NEMA. He noted the generation resources experiencing outages were then back in service and the volume of uplift experienced in April was expected to be much lower in May. He said that outcome, though, depended on resources not again experiencing outages in May at a similar level experienced in April. He noted that, with completion of the transmission work by June 2, the region will have much less need to call on resources in out-of-merit order. He said there was also a 345-kV line (Line 323) that was out of service until early June and that impacted imports into SEMA, but once it returned to service the ISO did not expect the need for additional out-of-merit commitments associated with that work.

Dr. Chadalavada went on to report that, on April 21, New England experienced for the first time ever a mid-day load that was lower than the overnight load. He said that load curve was the result of record high output from solar panels in the region. He committed to have distributed following the meeting a slide of the April 21 load curve.

Dr. Chadalavada concluded his presentation, reporting on the ISO press release concerning its expectations to have adequate resources for the summer, and its expectations that the tie line from New York to Connecticut would be back in service by the end of May.

Responding to questions from members, he explained that the ISO did not count on oil generation during the summer, recognizing that emission restrictions prevented operations during many summer hours.

### **FERC ORDER 842 COMPLIANCE: FREQUENCY RESPONSE REVISIONS**

Ms. Mariah Winkler referred the Committee to materials circulated and posted in advance of the meeting concerning revisions to Section II of the ISO Tariff in response to requirements of Order No. 842, the FERC's final rule on frequency response (Docket No. RM16-6) (Order No. 842 Revisions). She stated that compliance filings in response to Order 842 were due on May 15. She reported that the recommended support for the Tariff changes would have been on the Consent Agenda but for the timing of the Transmission Committee meeting.

Following motion duly made and seconded, the Committee considered and unanimously approved the following motion:

RESOLVED, that the Participants Committee supports the Order No. 842 Revisions, as recommended by the Transmission Committee at its April 24, 2018 meeting and as reflected in the materials distributed to the Participants Committee for its May 4, 2018 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.

### **OPERATING PROCEDURE REVISIONS (OP-23, 23J AND 14B)**

Ms. Winkler referred the Committee to materials circulated and posted in advance of the meeting concerning revisions to OP-23, Appendix J to OP-23 (23J), and Appendix B to OP-14 (14B and collectively with OP-23 and 23J, the OP Revisions). The OP-23 and 23J revisions related to Price Responsive Demand (PRD) and generator response rate auditing provisions. The 14B revisions related to PRD, reactive capability data, and certain other editorial changes. She reported that support for the OP Revisions was unanimously recommended by the Reliability

Committee at its April 25 meeting, and that this item also would have been on the Consent Agenda but for the timing of the Reliability Committee meeting.

A member expressed concern that neither OP-23 nor the Tariff reflected a methodology for the ISO's proposed new auditing of ramp rates. He requested that the methodology at least be memorialized in the OP so Market Participants could understand how those audits would be performed. The ISO referred the Committee to supporting materials which were presented at the Reliability Committee that explained this methodology for OP-23. The ISO committed to consider including that detail as an attachment or supplement to OP-23, which it would review with the Reliability Committee and have addressed by the Participants Committee thereafter as appropriate. Since audits of ramping capability were likely to take place in the interim, the ISO agreed to post the methodology on the ISO website.

With that understanding and commitment, the following motion was duly made and seconded:

RESOLVED, that the Participants Committee supports the Revisions to OP-23, Appendix K to OP-23 and Appendix B to OP-14, as recommended by the Reliability Committee at its April 25, 2018 meeting, together with the changes identified in the materials distributed to the Participants Committee for its May 4, 2018 meeting and such non-substantive changes as may be agreed to after the meeting by the Chair and Vice-Chair of the Reliability Committee.

The Committee considered and unanimously approved the motion with abstentions noted by Brookfield, CLF, CPower/Enerwise, EnerNOC, PSEG, and NRG.

#### **NEPOOL COMMENTS -- FERC GRID RESILIENCE PROCEEDING (AD18-7)**

Ms. Winkler referred the Committee to materials circulated and posted in advance of the meeting concerning NEPOOL's proposed comments in the FERC's Grid Resilience proceeding (AD18-7) (the NEPOOL Comments). She explained that the NEPOOL Comments focused on fuel security in New England and NEPOOL's input into the work on fuel security risks,

including the Operational Fuel Security Analysis and subsequent studies requested by stakeholders, and the deliberations on any potential fuel security market-based solutions related to fuel security risks. She reported that the Reliability Committee recommended Participants Committee approval of the NEPOOL Comments at its April 24 meeting with no opposition. She said, but for the timing of the vote at the Reliability Committee, this item would have been on the Consent Agenda.

Following motion duly made and seconded, the Committee considered and unanimously approved the following motion, with abstentions noted by Cross-Sound Cable and Eversource:

RESOLVED, that the Participants Committee approves the filing of the NEPOOL Comments in the Grid Resilience proceeding in Docket No. AD18-7-000, as recommended by the Reliability Committee at its April 24, 2018 meeting and as reflected in the materials distributed to the Participants Committee for its May 4, 2018 meeting, together with such non-substantive changes as may be agreed to after the meeting by the Chair and Vice-Chair of the Reliability Committee.

#### **GUIDANCE ON PENDING NEPOOL MEMBERSHIP APPLICATION**

Mr. Doot referred the Committee to the confidential memorandum circulated in advance of the meeting concerning a request for guidance to the Membership Subcommittee (Subcommittee) and to NEPOOL Counsel regarding (1) whether to change NEPOOL's policy of not permitting press attendance at NEPOOL meetings and (2) desired action on an application for membership as a Governance Only End User by a member of the press. The Committee discussed those two points at length. Following that discussion, NEPOOL Counsel committed to review the discussion with the Subcommittee so that, based on the input provided, the Subcommittee could make recommendations to the Participants Committee for Committee action at a later meeting on these two issues.

## **LITIGATION REPORT**

Mr. Doot referred the Committee to the May 2 Litigation Report that had been circulated and posted in advance of the meeting. Mr. Gerity highlighted, as reported earlier in the meeting, that comments on the ISO's waiver filing were due on May 23. He requested that anyone with questions on the report contact NEPOOL Counsel.

## **COMMITTEE REPORTS**

Mr. William Fowler reported that the Markets Committee was scheduled to meet on May 8 and 9 in Westborough. He highlighted a key agenda item would be discussion of the Internal Market Monitor (IMM) proposal to change before FCA13 how it calculates Retirement De-list Bids. He said that the IMM had requested a vote by the Participants Committee at its June 1 meeting for immediate implementation. An additional Markets Committee teleconference meeting had been scheduled for May 17 to act on the proposal.

Mr. José Rotger reported that the Transmission Committee was scheduled to meet on May 24 in Westborough. The main agenda item would be to begin discussions on compliance with Order 845, which required changes to the standard large and small generation interconnection processes.

Mr. Ken Dell Orto reported that the Budget & Finance Subcommittee was scheduled to meet on May 10, with a full agenda, including review of financial reports. He highlighted that, following the May meeting, the Subcommittee would not meet again until August 10. At its August meeting, the principle agenda item would be to review 2019 budgets for the ISO and NESCOE.

## **OTHER BUSINESS**

Mr. Kaslow reported that the June 1 Participants Committee meeting was scheduled to be held as a teleconference meeting. Mr. Doot reminded the Committee that the next Membership

Subcommittee was scheduled for May 14 as a teleconference meeting and to pay attention to notices for that and subsequent meetings to address the issues discussed earlier in the meeting. He reminded members that the 2018 NEPOOL Summer Meeting was scheduled to take place June 26-28 at the Water's Edge Resort in Westbrook, CT and encouraged those interested to register and to make their reservations. He also reminded the Committee of the NECPUC Symposium scheduled for May 20-23 at the Cliff House in Maine and encouraged those interested to participate.

There being no further business, the meeting adjourned at 12:55 p.m.

Respectfully submitted,

---

David T. Doot, Secretary

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES  
PARTICIPATING IN  
MAY 4, 2018 MEETING**

PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
American PowerNet Management	Supplier			Mary Smith (tel)
Anbaric Development Partners LLC	Provisional Group	Steve Conant		
AR Small Load Response (LR) Group Member	AR-LR	Doug Hurley	Brad Swalwell (tel)	
AR Small Renewable Generation (RG) Group Member	AR-RG	Erik Abend (tel)		
Ashburnham Municipal Light Plant	Publicly Owned		Brian Thomson	
AVANGRID: CMP/UI	Transmission	Adam Sokoloski (tel)	Alan Trotta (tel)	
Belmont Municipal Light Department	Publicly Owned		Dave Cavanaugh	
Block Island Power Company	Supplier	Dave Cavanaugh		
Boylston Municipal Light Department	Publicly Owned		Brian Thomson	
BP Energy Company	Supplier			Nancy Chafetz
Braintree Electric Light Department	Publicly Owned			Dave Cavanaugh
Brookfield Energy Marketing	Supplier	Aleksandar Mitreski		
Chester Municipal Light Department	Publicly Owned		Dave Cavanaugh	
Chicopee Municipal Lighting Plant	Publicly Owned		Brian Thomson	
CLEAResult Consulting, Inc.	AR-DG	Doug Hurley		
Competitive Energy Services, LLC	Supplier			Glenn Poole
Concord Municipal Light Plant	Publicly Owned		Dave Cavanaugh	
Connecticut Municipal Electric Energy Coop. (CMEEC)	Publicly Owned	Brian Forshaw		
Conn. Office of Consumer Counsel	End User			Dave Thompson
Conservation Law Foundation (CLF)	End User	David Ismay (tel)		
Consolidated Edison Energy, Inc. (ConEd)	Supplier	Jeff Dannels		
CPV Towantic, LLC	Generation	Dan Pierpont		
Cross-Sound Cable Company (CSC)	Supplier		Jose Rotger	
Danvers Electric Division	Publicly Owned		Dave Cavanaugh	
Direct Energy Business, LLC	Supplier	Ron Carrier		Nancy Chafetz
Dominion Energy Generation Marketing, Inc.	Generation		James Davis	
DTE Energy Trading, Inc.	Supplier			Nancy Chafetz
Dynergy Marketing and Trade, LLC	Supplier		Carol Holahan	Bill Fowler
Emera Energy Services	Transmission	Sandi Hennequin		Bill Fowler
EnerNOC, Inc.	AR-LR		Herb Healy	
Enerwise Global Technologies Inc. d/b/a CPower Corp.	AR-LR		Herb Healy	
Entergy Nuclear Power Marketing, LLC	Generation	Ken Dell Orto		Bill Fowler
Eversource Energy	Transmission		Cal Bowie	Vandan Divatia
Environmental Defense Fund	End User	Liz Delaney		
Exelon Generation Company	Supplier	Steve Kirk	Bill Fowler	
FirstLight Power Resources Management	Generation	Tom Kaslow		
Galt Power, Inc.	Supplier	Nancy Chafetz		
Generation Group Member	Generation		Abby Krich (tel)	Bob Stein Susan Muller (tel)
Georgetown Municipal Light Department	Publicly Owned		Dave Cavanaugh	
Great River Hydro, LLC	AR-RG			Bill Fowler
Groton Electric Light Department	Publicly Owned		Brian Thomson	
Groveland Electric Light Department	Publicly Owned		Dave Cavanaugh	
H.Q. Energy Services (U.S.) Inc.	Supplier		Bob Stein	Abby Krich (tel)
Harvard Dedicated Energy Limited	End User	Mary Smith (tel)	Mike Macrae	Paul Peterson Doug Hurley
High Liner Foods (USA) Incorporated	End User		William P. Short III	
Hingham Municipal Lighting Plant	Publicly Owned		Dave Cavanaugh	
Holden Municipal Light Department	Publicly Owned		Brian Thomson	

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES  
PARTICIPATING IN  
MAY 4, 2018 MEETING**

PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Holyoke Gas & Electric Department	Publicly Owned		Brian Thomson	
Hull Municipal Lighting Plant	Publicly Owned		Brian Thomson	
Ipswich Municipal Light Department	Publicly Owned		Brian Thomson	
Littleton (MA) Electric Light and Waster Department	Publicly Owned		Dave Cavanaugh	
Long Island Lighting Company (LIPA)	Supplier		William Killgoar	
Maple Energy LLC	AR-LR		Rick Drom (tel)	
Mansfield Municipal Electric Department	Publicly Owned		Brian Thomson	
Marblehead Municipal Light Department	Publicly Owned		Brian Thomson	
Marble River, LLC	Supplier		John Brodbeck (tel)	
Massachusetts Attorney General's Office (MA AG)	End User	Fred Plett	Christina Belew	
Mass. Municipal Wholesale Electric Company	Publicly Owned	Brian Thomson		
Mercuria Energy America, Inc.	Supplier			Nancy Chafetz
Merrimac Municipal Light Department	Publicly Owned		Dave Cavanaugh	
Middleborough Gas & Electric Department	Publicly Owned		Brian Thomson	
Middleton Municipal Electric Department	Publicly Owned		Dave Cavanaugh	
National Grid	Transmission	Tim Brennan	Tim Martin	
Nautilus Power, LLC	Generation		Bill Fowler	
New Hampshire Electric Cooperative (NHEC)	Publicly Owned	Steve Kaminski (tel)		Brian Forshaw
New Hampshire Office of Consumer Advocate (NH OCA)	End User	Paul Peterson		
NextEra Energy Resources, LLC	Generation	Michelle Gardner		
NRG Power Marketing LLC	Generation		Pete Fuller	
Pascoag Utility District	Publicly Owned		Dave Cavanaugh	
Paxton Municipal Light Department	Publicly Owned		Brian Thomson	
Peabody Municipal Light Department	Publicly Owned		Brian Thomson	
PowerOptions, Inc.	End User	Cindy Arcate		Paul Peterson
Princeton Municipal Light Department	Publicly Owned		Brian Thomson	
PSEG Energy Resources & Trade LLC	Supplier	Joel Gordon		
Reading Municipal Light Department	Publicly Owned			Brian Forshaw
Repsol Energy North America Company	Gas Industry Part.		Nancy Chafetz	
Rowley Municipal Lighting Plant	Publicly Owned		Dave Cavanaugh	
Russell Municipal Light Dept.	Publicly Owned		Brian Thomson	
Shrewsbury Electric & Cable Operations	Publicly Owned		Brian Thomson	
South Hadley Electric Light Department	Publicly Owned		Brian Thomson	
Sterling Municipal Electric Light Department	Publicly Owned		Brian Thomson	
Stowe Electric Department	Publicly Owned		Dave Cavanaugh	
Taunton Municipal Lighting Plant	Publicly Owned		Dave Cavanaugh	
Templeton Municipal Lighting Plant	Publicly Owned		Brian Thomson	
The Energy Consortium	End User		Mary Smith (tel)	Paul Peterson, Fred Plett Doug Hurley
Utility Services Inc.	End User			Paul Peterson
Vermont Electric Power Company	Transmission	Frank Ettori		
Vermont Energy Investment Corporation	AR-LR		Doug Hurley	
Vermont Public Power Supply Authority	Publicly Owned			Brian Forshaw
Verso Energy Services LLC	Generation	Glenn Poole		
Vitol Inc.	Supplier	Joe Wadsworth		
Wakefield Municipal Gas & Light Department	Publicly Owned		Brian Thomson	
Wallingford DPU Electric Division	Publicly Owned		Dave Cavanaugh	
Wellesley Municipal Light Plant	Publicly Owned		Dave Cavanaugh	
West Boylston Municipal Lighting Plant	Publicly Owned		Brian Thomson	

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES  
PARTICIPATING IN  
MAY 4, 2018 MEETING**

<b>PARTICIPANT NAME</b>	<b>SECTOR/ GROUP</b>	<b>MEMBER NAME</b>	<b>ALTERNATE NAME</b>	<b>PROXY</b>
Westfield Gas & Electric Department	Publicly Owned		Dave Cavanaugh	
Wheelabrator/Calpine	AR-RG	Brett Kruse	John Flumerfelt	Bill Fowler