



NEW ENGLAND POWER POOL

**David T. Doot**  
Secretary

October 20, 2017

**VIA ELECTRONIC MAIL**

**TO: MEMBERS AND ALTERNATES OF THE NEPOOL PARTICIPANTS COMMITTEE**

**RE: Initial Notice of November 3, 2017 NEPOOL Participants Committee Meeting**

Pursuant to Section 6.6 of the Second Restated New England Power Pool Agreement, initial notice is hereby given that a meeting of the NEPOOL Participants Committee will be held on Friday, November 3, 2017 **at the Hilton Boston Logan Airport Hotel, 1 Hotel Drive, Boston, MA, with individual, modified Sector meetings beginning at 9:00 a.m.** The Participants Committee meeting will be held in the International Ballroom for the purposes set forth on the attached agenda and posted with the meeting materials. For your information, this meeting is recorded, as are all the NEPOOL Participants Committee meetings.

You will see in reviewing the preliminary meeting schedule that most of the day is dedicated to separate modified Sector meetings with ISO Board members, State Officials and representatives and FERC Staff. Note also that the Participants Committee general business meeting is not scheduled to begin until 2:00 p.m., following the conclusion of the modified Sector meetings and there are a number of voting items so adjournment of the meeting may be late. Please plan your time accordingly.

Directions to the Hilton Boston Logan Airport Hotel are included with this notice. The discounted room block is now full. If you need a reservation, you may be able to get a room outside of the discounted rate by calling the hotel directly (617-568-6700) or by contacting Cindy Jacobs ([ckjacobs@daypitney.com/860-275-0246](mailto:ckjacobs@daypitney.com/860-275-0246)) for her assistance.

Looking forward, please make sure that your calendars reflect the upcoming NEPOOL Annual Meeting, which will be on Friday, December 8, 2017 at the Colonnade Hotel in Boston. A holiday breakfast is planned to begin at 9:00 a.m.

Respectfully yours,

/s/  
David T. Doot, Secretary

## INITIAL AGENDA

1. To approve the preliminary minutes of the Participants Committee meeting held on October 13, 2017. The draft minutes of the that meeting are included with this notice. **Please provide us with any comments on this draft no later than 12:00 p.m. on Friday, October 27, 2017.**
2. To adopt and approve all actions recommended by the Technical Committees set forth on the Consent Agenda included with this initial notice. In accordance with the Participants Committee Bylaws, if you wish to remove any of the recommended actions from the Consent Agenda, you must so indicate by notifying the Secretary on or before next Friday, October 27, 2017.
3. To receive an ISO Chief Executive Officer Report.
4. To receive an ISO Chief Operating Officer Report.
5. To consider and take action, as appropriate, on the Hydro-Québec Interconnection Capability Credits (HQICC) and Installed Capacity Requirement (ICR) and Related Values (Local Sourcing Requirements (LSR), Maximum Capacity Limits (MCL), and Marginal Reliability Impact (MRI) Demand Curves) for the 2018-19 3rd Annual Reconfiguration Auction (ARA), 2019-20 2nd ARA, and 2020-21 1st ARA. Background materials and a draft resolution will be included and posted with the supplemental notice.
6. To consider and take action, as appropriate, on revisions to the Dynamic De-List Bid Threshold for FCAs 13, 14 and 15. Background materials and a draft resolution will be included and posted with the supplemental notice.
7. To consider and take action, as appropriate, on the following revisions to implement the ISO's "Zonal Demand Curves: Capacity Supply Obligation Transactions using MRI Demand Curves" proposal:
  - a. Market Rule and Tariff Definition (Section I.2.2) changes (as recommended by the Markets Committee at its October 3-4 meeting);
  - b. Tariff Sections III.12.2 (Local Sourcing Requirements and Maximum Capacity Limits) and I.2.2 (LSR and MCL definitions) (as recommended by the Reliability Committee at its October 17 meeting); and
  - c. Financial Assurance Policy changes (as considered by the Budget & Finance Subcommittee at its October 11 meeting).

Background materials and a draft resolution will be included and posted with the supplemental notice.

8. To consider and take action, as appropriate, on revisions to the Financial Assurance Policy treatment of Energy Efficiency Resources. Background materials and a draft resolution will be included and posted with the supplemental notice.
9. To consider and take action, as appropriate, on revisions to the Financial Assurance Policy reflecting a revised Financial Transmission Rights Balance of Planning Period methodology. Background materials and a draft resolution will be included and posted with the supplemental notice.

**INITIAL AGENDA (cont.)**

10. To receive a report on current matters relating to regional wholesale power and transmission arrangements that are pending before the regulators and the courts. The litigation report will be posted in advance of the meeting.
11. To receive reports from Committees, Subcommittees and other working groups:
  - Markets Committee
  - Reliability Committee
  - Transmission Committee
  - Budget & Finance Subcommittee
  - Others
12. Administrative matters.
13. To transact such other business as may properly come before the meeting.

## **PRELIMINARY**

A meeting of the NEPOOL Participants Committee was held beginning at 10:00 a.m. on Friday, October 13, 2017, 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 who attended the meeting.

Mr. Thomas Kaslow, Chair, presided and Mr. David Doot, Secretary, recorded. Mr. Kaslow welcomed members and guests. Mr. Kaslow began by congratulating Mr. Daniel Allegretti, Vice President State Government Affairs – East, Exelon Corporation, on behalf of NEPOOL, for receiving the Vanguard Award from the Northeast Energy and Commerce Association for his substantial contribution to the development and maturation of competitive markets in the Northeast.

## **APPROVAL OF SEPTEMBER 15, 2017 MEETING MINUTES**

Mr. Kaslow referred the Committee to the preliminary minutes of the September 15, 2017 meeting, as circulated in advance of the meeting. Following motion duly made and seconded, the preliminary minutes of the September 15 meeting were unanimously approved, without abstention or change.

## **CONSENT AGENDA**

Mr. Kaslow 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 unanimously approved without comment.

## **ISO COO REPORT**

Dr. Vamsi Chadalavada, ISO Chief Operating Officer (COO), reviewed highlights from the October COO report, which was circulated in advance of the meeting and posted on the

NEPOOL and ISO websites. Focusing on highlights, he reported for September that: (i) Energy Market value was \$275 million, down \$43 million from August 2017 and down \$67 million from September 2016; (ii) average natural gas prices were 20% lower than August 2017 average prices; (iii) average Real-Time Hub LMPs (\$26.31/MWh) were 10.7% higher than August 2017 LMPs; (iv) average daily (peak hour) Day-Ahead cleared physical Energy, as a percent of forecasted load, was 98.8% in September, down from 99.4% in August 2017; (v) daily Net Commitment Period Compensation (NCPC) for September totaled \$3.7 million, up \$2.5 million from August 2017 and down \$1.5 million of NCPC experienced in September 2016, comprised of (a) first contingency payments, totaling \$2.6 million, which were up \$1.4 million from August; (b) second contingency payments totaling \$1 million, which was up \$1 million from August; and (c) voltage support payments totaled \$15,000 in September (there were no voltage support payments in August). He said the NCPC payments were 1.3% of the total Energy Market value. He explained that first contingency payments were attributable to insufficient energy rents in the Energy Market, but for roughly \$100,00 for Real-Time Reserve Adequacy Analysis (RAA) commitments. Second contingency payments were distributed largely among Northeastern Massachusetts (NEMA), New Hampshire (NH) and Maine (ME), due to an equipment outage (NEMA) and a transmission line (in NH and ME) that was out of service, outages which had ended and were not expected to contribute to NCPC uplift going forward.

Turning his attention to the 2016 Economic Study, Dr. Chadalavada reported that the Phase I Report was scheduled for completion in the fourth quarter; the Phase II analysis of regulation, ramping, and reserves, by the end of 2017. He reported the final RSP17 Report was scheduled to be issued in November. He noted that the ISO intended to discuss with the Planning advisory Committee on November 16 its outlook on power supply topology and the likely impact on capacity zones for FCA13.

Dr. Chadalavada stated preparations for FCA12 are well underway, reporting that both the Qualification Determination Notifications for new capacity resources and the IMM's determination with respect to existing resources' static de-list bids were each sent out on September 29. The ISO planned to submit its FCA12 Qualification Informational Filing, as well as the FCA12 Installed Capacity Requirement (ICR) Values, to the FERC on November 7.

Dr. Chadalavada then provided an update on the 2017/18 (and final year of the) Winter Reliability Program. As of October 1, 2017:

- Oil Program – 84 units participating, with 2.848 million barrels of 3.963 million barrels of inventory offered eligible for compensation per winter program rules. Total oil program cost exposure estimated to be \$29.42 million (@\$10.33 /barrel).
- Liquefied Natural Gas (LNG) Program – No LNG was offered.
- Demand Response (DR) Program – 3 assets providing 7.5 MW of interruption capability offered to participate. Total DR program cost exposure estimated to be approximately \$23,000.

In response to questions, Dr. Chadalavada committed to report at the November Participants Committee meeting on the ISO's expectations for Winter 2017/18, based on weather projections from the National Oceanic and Atmospheric Administration and available outage information. He reminded members that Winter 2017/18 would be New England's first without Brayton Point as a base load resource. He indicated that, at least based on the information available at that time, including expected resource availability, four million barrels of committed oil inventory, and absent an extraordinary set of events, the ISO would be able to manage even if the weather was not as mild as then predicted.

## **2018 ISO BUDGETS**

Mr. Doot referred the Committee to the materials circulated in advance of the meeting related to the proposed 2018 ISO Capital and Operating Budgets (ISO Budgets). He summarized

the extensive process followed to review the ISO Budgets with members and regulators, and noted the changes to the Budgets that were made in response to feedback and questions.

The following motion was then duly made, seconded and approved unanimously, without discussion and with abstentions noted by the Cross-Sound Cable Company (CSC), Littleton (NH) and Vermont Electric Cooperative (VEC):

RESOLVED, that the Participants Committee supports the Year 2018 operating budget and capital budget proposed by the ISO as presented at this meeting.

## **2018 NESCOE BUDGET**

Mr. Doot referred the Committee to the NESCOE budget materials posted in advance of the meeting. He stated that the 2018 NESCOE Budget conformed to the current 5-year budget framework supported by NEPOOL and accepted by the FERC. Ms. Heather Hunt, NESCOE Executive Director, added that, given adjustments in projected billing determinants, recovery of funds to cover the NESCOE budget would produce a Schedule 5 rate of \$0.00648 per kilowatt (kW) of Monthly Regional Network Load, down from an earlier 2018 estimate of \$0.00655 per kW, and down from the 2017 rate of \$0.00678 kW of Monthly Regional Network Load.

The following motion was duly made, seconded, and approved unanimously, without further discussion or question and with an abstention noted by CSC:

RESOLVED, that the Participants Committee supports the 2018 NESCOE budget, as proposed by NESCOE at this meeting, as the Year 2018 operating budget for NESCOE.

## **HQICC VALUES FOR 2021-22 (FCA12) CAPACITY COMMITMENT PERIOD**

Ms. Mariah Winkler, Reliability Committee Chair, referred the Committee to materials circulated in advance of the meeting concerning the Hydro-Québec Interconnection Capability Credits (HQICC) Values for the 2021-22 (FCA12) Capacity Committee Period. She reported

that the Reliability Committee recommended Participants Committee support for HQICC Values at its September 19 meeting.

The following motion was duly made and seconded:

RESOLVED, that the Participants Committee supports the proposed FCA12 HQICC Values, as recommended by the Reliability Committee and as reflected in the materials distributed to the Participants Committee for its October 13, 2017 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.

The CSC representative stated CSC would oppose resolutions being voted on both the HQICCs and the ICR Values because the calculations failed to take into account the reliability benefits of the Cross-Sound Cable. The LIPA representative echoed CSC's comments.

The Committee considered and approved the motion on HQICCs, with opposition noted by CSC and LIPA, and abstentions noted by BP, Brookfield, Calpine, ConEd, CPV, Direct Energy, HQ, Mercuria, NRG, PSEG, Shell, the AR Sector Small RG Group Member, VEC, and Verso.

#### **ICR VALUES FOR 2021-22 (FCA12) CAPACITY COMMITMENT PERIOD**

Ms. Winkler then referred the Committee to materials circulated in advance of the meeting concerning the ICR related values (Local Sourcing Requirements, Maximum Capacity Limits, and Marginal Reliability Impact Demand Curves) for 2021-22 (FCA12) Capacity Commitment Period (ICR Values). She reported that the Reliability Committee recommended Participants Committee support for the ICR Values at its September 19 meeting.

The following motion was duly made and seconded:

RESOLVED, that the Participants Committee supports the proposed FCA 12 ICR Values, as recommended by the Reliability Committee and as reflected in the materials distributed to the Participants Committee for its October 13, 2017 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.



Mr. Doot, noting that there had been a failed motion at the Reliability Committee to delay implementation of the ISO's behind-the-meter (BTM) solar hourly profile methodology to model BTM solar in ICR calculations, explained that it would not be procedurally necessary for the same motion to be voted by the Participants Committee to complete the Participant Processes. NEPOOL would not raise procedural objections in the FERC proceeding if opponents advocated for the same change as voted by the Reliability Committee.

Mr. William Fowler then explained why a number of members would be opposing the ICR Values. He explained that the separate vote at the September 19 Reliability Committee meeting, which failed, would have amended the ISO proposal by delaying implementation of the ISO's change in methodology for reflecting behind-the-meter (BTM) solar in the ICR calculation. He explained that the ISO's changes in methodology had reduced the proposed ICR by more than 300 MW and Participants supporting the proposed amendment believed that ISO needed more time to fully account for all factors relating to the impact of BTM solar on ICR. He listed among those factors the following: (i) the ISO's new methodology did not adequately take into account BTM solar variability/volatility; (ii) using an hourly average solar production might overstate solar contribution; (iii) using a simple average availability factor was not appropriate, given that weather and location are very strong indicators of availability across all similarly situated facilities at the same time; and, (iv) because BTM solar was not considered capacity, and none of those facilities have a Capacity Supply Obligation and consequences for failure to perform, there was no assurance of BTM solar output. He explained that the Reliability Committee was asked to vote to delay adoption of the change in methodology for BTM PV until all of these factors were fully considered, which the ISO had committed to do for FCA13. Others echoed and expanded on these concerns.

In response, a number of members noted that the change in the BTM solar calculation method was universally viewed to be an improvement, and should be implemented now, not later. The fact that there might be other factors to consider in the future should not delay the improvement. Another supporting member expressed appreciation for the ISO's efforts to improve its methodology for accounting for BTM solar in its forecasts, and noted that the ICR values for the FCAs have consistently over-estimated resource requirements, with material downward changes in resource requirements for subsequent Annual Reconfiguration Auctions.

The Committee then voted the motion and that motion failed with a 60.63% Vote in favor (Generation Sector – 0.95%; Transmission Sector – 15.2%; Supplier Sector – 0%; AR Sector – 10.17%; Publicly Owned Entity Sector – 17.10%; End User Sector – 17.1%; and Provisional Member Group – 0.11%). (See Vote 1 on Attachment 2).

Mr. Doot explained in response to a question that he expected the ISO would file its proposed ICR Values notwithstanding the failed vote and NEPOOL would provide comments on the stakeholder process, reporting on the votes and concerns that had been raised. Mr. Raymond Hepper confirmed that ISO intended to file its proposed ICR Values as voted.

## **ISO CEO REPORT**

Mr. Gordon van Welie, ISO CEO, referred the Committee to the summaries of the ISO Board and Board Committee meetings that had occurred since the September 15 Participants Committee meeting, which had been circulated and posted in advance of the meeting. There were no questions or comments on the summaries.

He then updated the Committee on the ISO's planned response to the Department of Energy's Grid Resiliency Pricing Rule Proposal (DOE NOPR). He explained that the ISO planned to delay finalizing its planned operational fuel security study until after responsive comments to the DOE NOPR had been filed. Noting that the DOE NOPR directed the FERC to

make changes to the markets to provide full cost recovery for coal and nuclear resources, since those resources had the potential for a 90-day supply of fuel on-site, he stated that the ISO disagreed with the premise and the expedited notice/comment process. He expressed the ISO's view that competitive markets have worked effectively. The ISO believed that reliability services could be provided by a wide-range of resources and technologies, including those with on-site fuel supplies, but the most efficient solution, whenever feasible, would be to procure reliability services through a competitive market. The ISO was concerned that assuring full cost recovery for certain technologies but not others would ultimately undermine the competitive wholesale market construct and could lead to cost-of-service recover for all resources. He reported that the ISO would be filing comments to this effect.

Explaining the ISO's decision to delay completion of the fuel security study, Mr. van Welie reviewed the region's winter experiences and related fuel supply issues. Those experiences and concerns were the reasons ISO initiated its study of potential 2024/25 Winter power system operations. The ISO believed that challenges to power system reliability until then were manageable, particularly in view of committed Capacity Supply Obligations for the next three and one-half years. The ISO's concern was beyond 2025, particularly in the face of continued retirements by resources depended on during the winter period. He explained that the objective of the fuel security study was to assess those potential future risks and to engage regional stakeholders in a discussion on those risks and potential market improvements to address them. Given the complexity of the challenges and the time to address them, the ISO did not want to have those discussions clouded by a misinterpretation or misuse of a study for expedited or abbreviated discussions on the issues raised by the DOE NOPR. Thus, the ISO intended to focus first on the DOE NOPR and then turn their attention to finalizing the fuel security study, fully accounting for information shared in the DOE NOPR in order to minimize

concerns with misinterpretation, confusion or misuse of the study. The ISO planned to finalize its fuel security study after the DOE NOPR had run its course, likely in early December.

Mr. van Welie acknowledged in response to questions that the FERC could very well continue to consider issues raised in the DOE NOPR through additional proceedings.

## **LITIGATION REPORT**

Mr. Doot referred the Committee to the October 11 Litigation Report that had been circulated and posted in advance of the meeting. He reported that, with the reestablished FERC quorum, there were numerous FERC orders being issued. He highlighted the FERC's approval of updated Cost of New Entry (CONE) and Offer Review Trigger Price (ORTP) values to be used in FCA12.

He described developments in the ongoing return on equity (ROE) litigations, noting FERC's recent conclusion that the ROE in the transmission tariff during the pendency of litigation should remain at 10.57%, rather than being restored to the "last clean rate", the 11.4% ROE in effect before first complaint. He explained that the FERC would deal with the appropriate ROE for transmission assets when it issued its final decisions and compliance requirements in the pending rate cases. He concluded his report on this matter by noting that Mr. Eric Runge, NEPOOL Counsel, had circulated a memorandum to the Transmission Committee summarizing these matters, which would be discussed at the next Transmission Committee meeting.

Mr. Doot then reminded the Committee of Calpine's appeal in Massachusetts of the new Massachusetts Green House Gas (GHG) regulations. Consistent with Calpine's report at the last Participants Committee meeting, there was an ongoing stakeholder process on the final auction design, which provided interested parties until October 16 to provide initial comments. He reported that a stakeholder meeting was planned for later in October, with an opportunity until

November 15 for additional input. The Calpine representative offered to discuss this matter with anyone interested.

Mr. Sebastian Lombardi, NEPOOL Counsel, reported on NEPOOL's plan to file comments by October 23 on the DOE NOPR. He said NEPOOL Counsel was working with the Officers, and, in the absence of time to identify substantive positions of NEPOOL, proposed comments would focus on the process for responding to the DOE NOPR. NEPOOL intended to seek sufficient time and opportunity for full stakeholder process to address any action to be taken by the FERC in response to the DOE NOPR. Mr. Kaslow suggested that the NEPOOL comments would also note New England's focus on fuel security issues through a fully deliberative process.

## COMMITTEE REPORTS

***Markets Committee.*** Mr. William Fowler reported that the next Markets Committee meeting would be the special meeting to discuss CASPR on October 25 in Milford, MA. He encouraged Participants to submit any proposed amendments/alternatives to the CASPR proposal being advanced by the ISO. The next regularly-scheduled Markets Committee meeting was scheduled for November 8-9 in Westborough, MA.

***Reliability Committee.*** Mr. Robert Stein reported that the Reliability Committee was scheduled to meet on October 17 at the Doubletree Milford Hotel to consider ICR-related issues and vote to disband the Transmission Task Force and Stability Task Force.

***Transmission Committee.*** Mr. José Rotger reported that next Transmission Committee meeting was scheduled for October 24 as a teleconference meeting to discuss the ROE Order and Tariff definition changes related to the CASPR effort.

## **OTHER BUSINESS**

Mr. Doot reported that the next two Participants Committee meetings were scheduled in Boston at the Hilton Boston Logan Airport Hotel on November 3 (including modified Sector Breakout meetings with the ISO Board and State and Federal officials), and the Colonnade Hotel on December 8 (the 2017 Annual Meeting). He referred members to the draft 2018 NEPOOL Calendar that had been circulated with the meeting materials and requested that anyone with questions or comments on the calendar to contact NEPOOL Counsel. A member noted that, particularly in May and September, rooms at Boston hotels were extremely expensive and requested that the Committee consider meeting outside of Boston in those months.

There being no further business, the meeting adjourned at 11:30 a.m.

Respectfully submitted,

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David T. Doot, Secretary

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES  
PARTICIPATING IN  
OCTOBER 13, 2017 MEETING**

PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
AR Large Renewable Generation (RG) Group Member	AR-RG	Irina Gumennik		
AR Small Load Response (LR) Group Member	AR-LR	Doug Hurley (tel)	Brad Swalwell (tel)	
AR Small RG Group Member	AR-RG	Erik Abend (tel)		
Ashburnham Municipal Light Plant	Publicly Owned		Brian Thomson	
Associated Industries of Massachusetts	End User			Roger Borghesani
AVANGRID (CMP/UI)	Transmission			Alan Trotta (tel)
Boylston Municipal Light Department	Publicly Owned		Brian Thomson	
Brookfield Energy Marketing	Supplier	Aleksandar Mitreski		
BP Energy Company	Supplier			Nancy Chafetz
Calpine Energy Services, LP	Supplier	John Flumerfelt	Brett Kruse	Bill Fowler
Chicopee Municipal Lighting Plant	Publicly Owned			
CLEAResult Consulting, Inc.	AR-DG	Doug Hurley (tel)		
Competitive Energy Services, LLC	Supplier			Glenn Poole (tel)
Connecticut Municipal Electric Energy Coop. (CMEEC)	Publicly Owned	Brian Forshaw		
Conn. Office of Consumer Counsel	End User			Dave Thompson
Conservation Law Foundation	End User	Jerry Elmer		
Consolidated Edison Energy, Inc. (ConEd)	Supplier	Jeff Dannels		
CPV Towantic, LLC	Generation	Dan Pierpont (tel)		
Cross-Sound Cable Company (CSC)	Supplier		Jose Rotger	
Direct Energy Business, LLC	Supplier			Nancy Chafetz
Dominion Energy Generation Marketing, Inc.	Generation	Michael Purdie		
DTE Energy Trading, Inc.	Supplier			Nancy Chafetz
Dynegy Marketing and Trade, LLC	Supplier			Bill Fowler
Emera Maine/Emera Energy Services	Transmission	Lisa Martin (tel)	Sandi Hennequin	
EnerNOC, Inc.	AR-LR	Sarah Griffiths (tel)		Doug Hurley (tel)
Entergy Nuclear Power Marketing, LLC	Generation			Bill Fowler
Environmental Defense Fund	End User	Liz Delaney		
Eversource Energy	Transmission	James Daly	Cal Bowie	Vandan Divatia
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	Dennis Duffy	Abby Krich (tel)	Bob Stein
Great River Hydro, LLC	AR-RG			Bill Fowler
Groton Electric Light Department	Publicly Owned		Brian Thomson	
H.Q. Energy Services (U.S.) Inc.	Supplier	Louis Guilbault (tel)	Bob Stein	Abby Krich (tel)
Harvard Dedicated Energy Limited	End User			Roger Borghesani Paul Peterson Doug Hurley (tel)
High Liner Foods (USA) Incorporated	End User		William P. Short III	
Holden Municipal Light Department	Publicly Owned		Brian Thomson	
Hull Municipal Lighting Plant	Publicly Owned		Brian Thomson	
Ipswich Municipal Light Department	Publicly Owned		Brian Thomson	
Littleton (NH) Water & Light Department	Publicly Owned		Craig Kieny	
Long Island Lighting Company (LIPA)	Supplier		Bill Killgoar (tel)	
Maine Power LLC	Provisional Group	Jeff Jones (tel)		
Maine Public Advocate Office	End User			Paul Peterson
Mansfield Municipal Electric Department	Publicly Owned		Brian Thomson	
Maple Energy LLC	Provisional Group	Angela Fox	Bo Clayton	
Marblehead Municipal Light Department	Publicly Owned		Brian Thomson	
Massachusetts Attorney General's Office (MA AG)	End User	Fred Plett		
Mass. Municipal Wholesale Electric Company	Publicly Owned	Brian Thomson		
Mercuria Energy America, Inc.	Supplier			Nancy Chafetz

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES  
PARTICIPATING IN  
OCTOBER 13, 2017 MEETING**

PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Middleborough Gas & Electric Department	Publicly Owned		Brian Thomson	
National Grid	Transmission	Tim Brennan (tel)	Tim Martin	
Natural Resources Defense Council	End User	Bruce Ho		
Nautilus Power, LLC	Generation		Bill Fowler	
New Hampshire Electric Cooperative (NHEC)	Publicly Owned			Brian Forshaw
New Hampshire Office of Consumer Advocate	End User	Paul Peterson		
NextEra Energy Resources, LLC	Generation	Michelle Gardner		
NRG Power Marketing LLC	Generation	Dave Cavanaugh	Pete Fuller	
Paxton Municipal Light Department	Publicly Owned		Brian Thomson	
Peabody Municipal Light Department	Publicly Owned		Brian Thomson	
Princeton Municipal Light Department	Publicly Owned		Brian Thomson	
PSEG Energy Resources & Trade LLC	Supplier	Joel Gordon (tel)		
Reading Municipal Light Department	Publicly Owned			Brian Forshaw
Repsol Energy North America Company	Gas Industry Part.		Nancy Chafetz	
Russell Municipal Light Dept.	Publicly Owned		Brian Thomson	
Shell Energy North America (US), L.P.	Supplier	Matt Picardi		
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	
Templeton Municipal Lighting Plant	Publicly Owned		Brian Thomson	
TerraForm (Stetson Holdings et al.)	AR-RG			Bob Stein Abby Krich (tel)
The Energy Consortium	End User	Roger Borghesani		Paul Peterson, Fred Plett Doug Hurley (tel)
Utility Services Inc.	End User			Paul Peterson
Vermont Electric Cooperative (VEC)	Publicly Owned	Craig Kiemy		
Vermont Electric Power Company	Transmission	Frank Ettori		
Vermont Energy Investment Corporation	AR-LR		Doug Hurley (tel)	
Vermont Public Power Supply Authority	Publicly Owned			Brian Forshaw
Verso Energy Services LLC	Generation	Glenn Poole (tel)		
Wakefield Municipal Gas & Light Department	Publicly Owned		Brian Thomson	
West Boylston Municipal Lighting Plant	Publicly Owned		Brian Thomson	
Wheelabrator North Andover Inc.	AR-RG	Bill Fowler		



**NEPOOL PARTICIPANTS COMMITTEE  
VOTE TAKEN AT  
OCTOBER 13, 2017 MEETING**

**TOTAL**

Sector/Group	Vote
GENERATION	0.95
TRANSMISSION	15.20
SUPPLIER	0.00
ALTERNATIVE RESOURCES	10.17
PUBLICLY OWNED ENTITY	17.10
END USER	17.10
PROVISIONAL MEMBERS	0.11
% IN FAVOR	60.63

**GENERATION SECTOR**

Participant Name	Vote
CPV Towantic, LLC	O
Dominion Energy Generation Marketing	O
Entergy Nuclear Power Marketing	O
FirstLight Power Resources Management	O
Generation Group Member	0.5
Nautilus Power, LLC	O
NextEra Energy Resources, LLC	O
NRG Power Marketing, LLC	O
Verso Energy Services LLC	O
IN FAVOR (F)	0.5
OPPOSED (O)	8.5
TOTAL VOTES	9.0
ABSTENTIONS (A)	0.0

**TRANSMISSION SECTOR**

Participant Name	Vote
AVANGRID (CMP/UI)	F
Emera	S
Emera Maine	A
Emera Energy Services Subsidiaries	O
Eversource Energy	F
National Grid	F
Vermont Electric Power Co.	F
IN FAVOR (F)	4.0
OPPOSED	0.5
TOTAL VOTES	4.5
ABSTENTIONS (A)	0.5

**ALTERNATIVE RESOURCES SECTOR**

Participant Name	Vote
Renewable Generation Sub-Sector	
Great River Hydro, LLC	O
TerraForm (Stetson Holdings, LLC)	A
Wheelabrator North Andover Inc.	O
Small RG Group Member	A
Distributed Generation Sub-Sector	
CLEAResult Consulting, Inc.	F
Load Response Sub-Sector	
EnerNOC, Inc.	A
VT Energy Investment Corp.	F
Small LR Group Member	F
IN FAVOR (F)	3
OPPOSED (O)	2
TOTAL VOTES	5
ABSTENTIONS (A)	3

**SUPPLIER SECTOR**

Participant Name	Vote
BP Energy Company	A
Brookfield Energy Marketing Inc.	O
Calpine Energy Services	O
Consolidated Edison Energy, Inc.	A
Cross-Sound Cable Company	O
Direct Energy Business, LLC	A
DTE Energy Trading, Inc.	A
Dynegy Marketing and Trade, LLC	O
Exelon Generation Company	O
Galt Power, Inc.	A
H.Q. Energy Services (U.S.) Inc.	A
Long Island Power Authority (LIPA)	O
Mercuria Energy America, Inc.	A
PSEG Energy Resources & Trade	O
Shell Energy North America (US) LP	A
IN FAVOR (F)	0
OPPOSED	7
TOTAL VOTES	7
ABSTENTIONS (A)	8

**NEPOOL PARTICIPANTS COMMITTEE  
VOTE TAKEN AT  
OCTOBER 13, 2017 MEETING**

**PUBLICLY OWNED ENTITY SECTOR**

Participant Name	Vote
Ashburnham Municipal Light Plant	F
Boylston Municipal Light Dept.	F
Chicopee Municipal Lighting Plant	F
Conn. Mun. Electric Energy Coop.	F
Groton Electric Light Dept.	F
Holden Municipal Light Dept.	F
Hull Municipal Lighting Plant	F
Ipswich Municipal Light Dept.	F
Littleton (NH) Water & Light Dept.	F
Mansfield Municipal Electric Dept.	F
Marblehead Municipal Light Dept.	F
Mass. Municipal Wholesale Electric. Co.	F
Middleborough Gas & Elec. Dept.	F
New Hampshire Electric Coop.	F
Paxton Municipal Light Dept.	F
Peabody Municipal Light Plant	F
Princeton Municipal Light Dept.	F
Reading Municipal Light Dept.	F
Russell Municipal Light Dept.	F
Shrewsbury's Electric & Cable Ops.	F
South Hadley Electric Light Dept.	F
Sterling Mun. Elec. Light Dept.	F
Templeton Mun. Lighting Plant	F
Vermont Electric Cooperative	F
VT Public Power Supply Authority	F
Wakefield Mun. Gas & Light Dept.	F
West Boylston Municipal Lighting Plant	F
IN FAVOR (F)	27
OPPOSED	0
TOTAL VOTES	27
ABSTENTIONS (A)	0

**END USER SECTOR**

Participant Name	Vote
Associated Industries of MA	F
Conn. Office of Consumer Counsel	F
Conservation Law Foundation	F
Environmental Defense Fund	F
Harvard Dedicated Energy Limited	F
High Liner Foods (USA) Inc.	F
Maine Public Advocate's Office	F
Mass. Attorney General's Office	F
Natural Resources Defense Council	F
NH Office of Consumer Advocate	F
The Energy Consortium	F
Utility Services, Inc.	F
IN FAVOR (F)	12
OPPOSED	0
TOTAL VOTES	12
ABSTENTIONS (A)	0

**PROVISIONAL MEMBERS**

Participant Name	Vote
Maine Power LLC	F
Maple Energy LLC	A
IN FAVOR (F)	1
OPPOSED	0
TOTAL VOTES	1
ABSTENTIONS (A)	1

## CONSENT AGENDA

From the notice of actions of the October 17, 2017 Reliability Committee<sup>1</sup> meeting, dated October 18, 2017, which has been previously circulated:

**1. Revisions to OP-16 and OP-16 Appendices A-E, G-I and K (Biennial Review Changes)**

Support revisions to ISO New England Operating Procedure (OP) No. 16 (Transmission System Data) (OP-16) and OP-16 Appendices A-E, G-I and K, which add requirement details for one line diagrams for transfer into the NX database application, update requirements for series reactive devices and clarify schedule, short circuit, and other data requirements, as recommended by the Reliability Committee at its October 17, 2017 meeting, with such further non-material changes as the Chair and Vice-Chair of the Reliability Committee may approve.

The motion to recommend Participants Committee support was approved unanimously.

**2. Revisions to PP-10 (Remove RTEG References; Initial Interconnection Analysis and De-List Bid Assessment Clarifications)**

Support revisions to ISO New England Planning Procedure (PP) No. 10 (Planning Procedure to Support the Forward Capacity Market), which remove Real Time Emergency Generation (RTEG) references and incorporate clarifications to the initial interconnection analyses and de-list bid assessments, as recommended by the Reliability Committee at its October 17, 2017 meeting, with such further non-material changes as the Chair and Vice-Chair of the Reliability Committee may approve.

The motion to recommend Participants Committee support was approved unanimously.

**3. Revisions to PP-5, PP-5-1, and PP-5-3 (STF and TTF Elimination; Integrating Order 1000 and the I.3.9 Review Process)**

Support revisions to PP-5 (Procedure for Reporting Notice of Intent to Construct or Change Facilities in Accordance with Section I.3.9 of the Tariff), PP-5-1 (Procedure for Review of Governance Participant's Proposed Plans), and PP-5-3 (Guidelines for Conducting and Evaluating Proposed Plan Application Analyses), which eliminate the Stability Task Force (STF) and Transmission Task Force (TTF), and recognize the engagement of affected entities in, and improve the efficiency of, the I.3.9 review process, as recommended by the Reliability Committee at its October 17, 2017 meeting, with such further non-material changes as the Chair and Vice-Chair of the Reliability Committee may approve.

The motion to recommend Participants Committee support was approved unanimously, with four abstentions (1 in the Supplier Sector and 3 in the Publicly Owned Entity Sector).

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<sup>1</sup> Reliability Committee Notices of Actions are posted on the ISO-NE website at: <http://iso-ne.com/committees/reliability/reliability-committee>.

## CONSENT AGENDA (cont.)

From the notice of actions of the *June 13-14, 2017 Markets Committee*<sup>2</sup> meeting, dated June 15, 2017, which has been previously circulated:

### 4. **Financial Transmission Right (FTR) Balance of Planning Period (BoPP) Auction Market Rule Changes**

Support revisions to Market Rule 1 to support FTR BoPP auctions, as recommended by the Markets Committee at its June 13-14, 2017 meeting, with such further non-material changes as the Chair and Vice-Chair of the Markets Committee may approve.

The motion to recommend Participants Committee support was approved unanimously.

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<sup>2</sup> Markets Committee Notices of Actions are posted on the ISO-NE website at: <https://iso-ne.com/committees/markets/markets-committee>.

## NEPOOL PARTICIPANTS COMMITTEE NOVEMBER 3, 2017 MEETING MEETING SCHEDULE

SECTOR/GROUP	9:00 – 10:15	10:30 – 11:45	11:45 – 12:30	12:30 – 1:45	2:00-adjournment
Generation / Long	Open / FERC (9:45-10:15) (Dartmouth)	ISO Board Panel 2 (Dartmouth)	Lunch (Ballroom)	State Officials Panel 2 (Dartmouth)	Participants Committee General Business (International Ballroom)
Transmission	State Officials Panel 1 (Middlebury)	ISO Board Panel 1 (Middlebury)	Lunch (Ballroom)	FERC (12:30-1:00) / Open (Middlebury)	
Supplier / Short (LSE)	FERC (9:00-9:30) / Open (Dartmouth)	State Officials Panel 2 (Wellesley)	Lunch (Ballroom)	ISO Board Panel 1 (Wellesley)	
Publicly Owned Entity	ISO Board Panel 1 (Suite 209)	FERC (10:30-11:00) / Open (Suite 209)	Lunch (Ballroom)	State Officials Panel 1 (Suite 209)	
AR	ISO Board Panel 2 (Suite 210)	State Officials Panel 1 (Suite 210)	Lunch (Ballroom)	Open / FERC (1:15-1:45) (Middlebury)	
End User	State Officials Panel 2 (Wellesley)	Open / FERC (11:15-11:45) (Suite 209)	Lunch (Ballroom)	ISO Board Panel 2 (Suite 210)	
ISO Board Panel 1	Publicly Owned Entity (Suite 209)	Transmission (Middlebury)	Lunch (Ballroom)	Supplier / Short (LSE) (Wellesley)	
ISO Board Panel 2	AR (Suite 210)	Generation / Long (Dartmouth)	Lunch (Ballroom)	End User (Suite 210)	
State Officials Panel 1	Transmission (Middlebury)	AR (Suite 210)	Lunch (Ballroom)	Publicly Owned Entity (Suite 209)	
State Officials Panel 2	End User (Wellesley)	Supplier / Short (LSE) (Wellesley)	Lunch (Ballroom)	Generation / Long (Dartmouth)	
FERC	Supplier/Short (9:00-9:30) Generation/Long (9:45-10:15) (Dartmouth)	Publicly Owned Entity (10:30-11:00) End User (11:15-11:45) (Suite 209)	Lunch (Ballroom)	Transmission (12:30-1:00) AR (1:15-1:45) (Middlebury)	

**ISO Board Panel 1:** Roberta Brown, Brook Colangelo, Ray Hill, Phil Shapiro, and Gordon van Welie.

**ISO Board Panel 2:** Kathleen Abernathy, Roberto Denis, Barney Rush, Vickie Van Zandt, and Christopher Wilson.

**State Officials Panel 1:** [TBD].

**State Officials Panel 2:** [TBD].

**FERC:** [TBD].