

**NEPOOL PARTICIPANTS COMMITTEE MEETING
Hilton Boston Logan Airport Hotel, Boston, MA
NOVEMBER 6, 2015**

CIRCULATED 10/23/15

PRELIMINARY MEETING SCHEDULE

SECTOR/GROUP	9:00 – 10:30	10:40 – 12:10	12:10 – 12:30	12:30 – 2:00	2:00-adjournment
Generation / Long	FERC (9:15-9:45) / <i>Open (Hampshire)</i>	State Officials Panel 2 (<i>New England B</i>)	Lunch (<i>Ballroom</i>)	ISO Board Panel 2 (<i>New England A</i>)	Participants Committee General Business (<i>International Ballroom</i>)
Transmission	State Officials Panel 1 (<i>Middlebury</i>)	<i>FERC (10:40-11:10) / Open (Hampshire)</i>	Lunch (<i>Ballroom</i>)	ISO Board Panel 1 (<i>Wellesley</i>)	
Supplier / Short (LSE)	<i>Open / FERC (10:00-10:30) (Hampshire)</i>	ISO Board Panel 1 (<i>Wellesley</i>)	Lunch (<i>Ballroom</i>)	State Officials Panel 2 (<i>New England B</i>)	
Publicly Owned Entity	ISO Board Panel 1 (<i>Wellesley</i>)	<i>FERC (11:40-12:10) / Open (Hampshire)</i>	Lunch (<i>Ballroom</i>)	State Officials Panel 1 (<i>Middlebury</i>)	
AR	ISO Board Panel 2 (<i>New England A</i>)	State Officials Panel 1 (<i>Middlebury</i>)	Lunch (<i>Ballroom</i>)	<i>FERC (12:30-1:00) / Open (Hampshire)</i>	
End User	State Officials Panel 2 (<i>New England B</i>)	ISO Board Panel 2 (<i>New England A</i>)	Lunch (<i>Ballroom</i>)	<i>Open / FERC (1:30-2:00) (Hampshire)</i>	
ISO Board Panel 1 (Wellesley)	Publicly Owned Entity	Supplier / Short (LSE)	Lunch	Transmission	
ISO Board Panel 2 (New England A)	AR	End User	Lunch	Generation / Long	
State Officials Panel 1 (Middlebury)	Transmission	AR	Lunch	Publicly Owned Entity	
State Officials Panel 2 (New England B)	End User	Generation / Long	Lunch	Supplier / Short (LSE)	
FERC (Hampshire)	Generation/Long (9:15-9:45) Supplier/Short (10:00-10:30)	Transmission (10:40-11:10) Publicly Owned Entity (11:40-12:10)	Lunch	AR (12:30-1:00) End User (1:30-2:00)	

ISO Board Panel 1: Roberta Brown, Ray Hill, Paul Levy, 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

INITIAL AGENDA

1. To approve the preliminary minutes of the Participants Committee meeting held on October 2, 2015. Draft minutes for the October 2 meeting are included with this notice and posted at http://nepool.com/NPC_2015.php. Please provide us with any comments on these draft minutes no later than **12:00 p.m. on Friday, October 30, 2015.**
 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 30, 2015.**
 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 a change to the estimation of the “Hourly Charges” component of a Market Participant’s Financial Assurance Obligation under the Financial Assurance Policy. Background materials and a draft resolution will be included with the supplemental notice.
 6. To consider, and take action as appropriate, on revisions to ISO Operating Procedure No. 14 (Technical Requirements for Generators, Demand Resources and Asset Related Demands). This item was deferred from the September 11, 2015 Participants Committee meeting for further review by ISO-NE and Technical Committee consideration. Background materials and a draft resolution will be included with the supplemental notice.
 7. To consider, and to take action as appropriate, on the following Reliability Committee-recommended values for the Capacity Commitment Periods for the 2016/2017 3rd ARA, 2017/2018 2nd ARA, and 2018/2019 1st ARA:
 - a. the Hydro-Quebec Interconnection Capability Credits (HQICC Values); and
 - b. the New England Installed Capacity Requirement, Connecticut and NEMA/Boston Local Sourcing Requirements and Maine Maximum Capacity Limit, (together, the ICR Values).
- Background materials and draft resolutions will be included with the supplemental notice.
8. To consider, and take action as appropriate, on revisions to the ISO Tariff in compliance with Order 1000 in response to the FERC’s October 2, 2015 order in Docket Nos. ER13-193 and ER13-196. Background materials and a draft resolution will be included with the supplemental notice.
 9. To consider, and take action as appropriate, on proposed NEPOOL comments in response to the FERC’s September 17 Notice of Proposed Rulemaking on the Collection of Connected Entity data (RM15-23). The Working Group is meeting to discuss those comments on October 29, and background materials and a draft resolution will be included with the supplemental notice.
 10. To receive a report on current contested matters before the FERC. The litigation report will be posted in advance of the meeting.
 11. To receive reports from committees and subcommittees.
 12. 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 2, 2015 at the Colonnade Hotel, Boston, Massachusetts, 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, Chairman, presided and Mr. David Doot, Secretary, recorded. Mr. Gordon welcomed the members, alternates and guests who were present. He recognized Ms. Angela O'Connor, the Chairperson of the Massachusetts Department of Public Utilities and President of the New England Conference of Public Utilities Commissioners (NECPUC). He also welcomed ISO Board Members Mr. Roberto Denis and Mr. Christopher Wilson to the meeting.

APPROVAL OF MINUTES OF SEPTEMBER 11, 2015 MEETING

Mr. Gordon referred the Committee to the preliminary minutes of the September 11, 2015 meeting that had been circulated and posted in advance of the meeting. Following motion duly made and seconded, the preliminary minutes of that meeting were unanimously approved.

CONSENT AGENDA

Mr. Gordon referred the Committee to the Consent Agenda that was circulated in advance of the meeting. He reported that Consent Agenda Item 2 (HQ ICC Values - FCA10 (2019/20 Capacity Commitment Period)) had been removed for discussion later in the meeting. Following motion duly made and seconded, the remaining items on the Consent Agenda were unanimously approved without discussion or comment.

ISO CEO REPORT

Mr. Gordon van Welie, ISO Chief Executive Officer (CEO), referred the Committee to the written summaries of the ISO Board and Board Committee meetings that had occurred since the last Participants Committee meeting, which were circulated and posted in advance of the meeting. In response to a question on the Board Markets Committee report concerning siting new supply resources in the face of increasing retirements and the schedule for commitments under the Forward Capacity Market, Mr. van Welie confirmed that this Board Committee discussion was a continuation of discussions that had been had previously on this issue internally at the ISO, with the Markets and Participants Committees, and with the New England Congressional delegation. He said that the Board Committee concluded there was no certainty that the market would ensure sufficient and timely replacement of MWs lost to retirement, and that the ISO was exploring how it might improve the FCM rules to provide the market with earlier notice of potential retirements and more time to respond. He estimated that the time for market response can be impacted by siting and permitting processes, each outside the ISO's control, and the ISO was encouraging the states to make those processes as expeditious as possible. He stated that the ISO would continue to monitor this issue closely and suggest improvements as appropriate.

Noting that the Committee would later be asked to vote on the ISO's proposed 2016 budget, Mr. Van Welie identified and discussed a series of developments covered in recent industry meetings and events that highlighted the intensity of change in the industry. He reported on his meeting at the White House at which there was substantial discussion concerning off-shore wind and its positioning for growth. He also talked about a two-day discussion of the Department of Energy Electricity Advisory Committee, at which they explored developments at

the distribution system level as a result of the significant deployment of distributed generation and storage, and related initiatives in California and New York to restructure state regulation of retail electric markets. He referenced the impacts of increased growth in energy storage and the Clean Power Plan on the electric system. He cautioned that, with this pace of change, including any change that could result from the Supreme Court decision on Order 745, the ISO and stakeholders would need to reassess throughout the year regional priorities and the Work Plan.

He concluded his report by noting in response to a question on the Board Markets Committee report that the ISO continued to analyze and to seek to improve its understanding of and ability to predict summer peak loads and load profiles on the system in light of the increasing amount of solar generation on the system.

ISO COO REPORT

Dr. Vamsi Chadalavada, ISO Chief Operating Officer (COO), referred the Committee to the October COO report addressing September operations through September 23, which was circulated in advance of the meeting and posted on the NEPOOL and ISO websites. Focusing on highlights, he stated that, in September: (i) Energy Market value was \$328 million, down \$97 million from August 2015, and down \$64 million from September 2014; (ii) natural gas average prices were 31% higher than August 2015 average prices; (iii) Real-Time Hub locational marginal prices (LMPs) on average were 4.9% higher than August 2015 LMPs; (iv) average (peak hour) Day-Ahead cleared physical Energy, as a percentage of forecasted load, was 98.4% in September 2015, up from 98.2% in August 2015; and (v) Net Commitment Period Compensation (NCPC) totaled \$15.6 million (4.7% of the total Energy Market value), up \$9.9 million from August 2015 and \$9.3 million from September 2014. Of that \$15.6 million in NCPC, he reported that \$3.9 million was for first contingency payments (down \$621,000 from

August) and \$11.6 million for second contingency payments (up \$10.6 million from August 2015). The second contingency payments were primarily for reliability commitments in Northeast Massachusetts (NEMA_ (\$5.5- \$6 million), which would be reallocated to Network Load in November once the data for that reallocation was available. Voltage support payments for September were \$26,000, up \$14,000 from August.

In follow up to a prior Participant request that the ISO identify the load levels within NEMA that generally produce higher out-of-merit commitments, Dr. Chadalavada stated that, generally, NEMA resources need to be called on out of merit and create uplift when system-wide load reaches 19,000-20,000 MW. The security analysis, which must consider possible loss of transmission into and generation in the load area, directs out-of-merit dispatch in order to help ensure reliability.

Dr. Chadalavada reported that the early part of September was warmer than had been experienced during the same period over the past five-years, and he planned to report on trend lines. Looking forward, he noted that the outage season had begun for both transmission and generation, which added to the need for out-of-merit commitments. He stated that, as previously reported, there was a planned extended maintenance outage for Phase II until mid-November. He reported also that the ISO expected extended outages by large units in the East and in the Northern zone of New England. He reported that the peak load levels expected during this time were in the 14,500-15,000 MW range.

Continuing, Dr. Chadalavada said that the 2015 Regional System Plan (RSP15) was scheduled for issuance to the Board on September 29 and that under consideration were Tariff changes to permit the next RSP to be issued in 2017 rather than 2016. He noted that ICR and Local Sourcing Requirements for the next Forward Capacity Auction (FCA10) had been

developed, would be voted later in the meeting, and will be filed with FERC on or before November 10. He said that the new resource qualification for FCA10 was complete and that Qualification Determination Notifications would be sent on September 26. He said that the FCA10 non-price retirement window would be open until October 12, with two non-price retirement indications, totaling about 28 MW, received thus far. He indicated that FCA10 would commence on February 8, 2016.

Dr. Chadalavada stated there remained planned compressor station outage on the pipelines serving the Northeast. He said this outage would reduce fuel availability for approximately 4,500-5,000 MW of generation for a few weeks, which will result in oil and coal units being called on to run in merit.

Referencing a chart in the COO report illustrating the ISO's load forecast accuracy, Dr. Chadalavada explained that distributed generation, the output of which was not visible to the ISO, was reducing the ISO's load forecast accuracy. He noted that the ISO was working to collect and analyze Real-Time data in order to improve load forecast algorithms. He indicated that the ISO planned to have reforms in place to improve both short-term and long-range forecasts within a year.

IMM 2015 Q2 MARKETS REPORT

Dr. Jeffrey McDonald, ISO Internal Market Monitor (IMM), referred the Committee to the Markets Report for the second quarter of 2015 (2015 Q2) that was circulated in advance of the meeting. In reviewing highlights, he reported a significant decline in total wholesale power costs in 2015 Q2 relative to 2014 Q2 and 2013, primarily due to historically low natural gas prices. He reviewed charts comparing 2014 and 2013 Q2 natural gas prices to those in 2015 Q2, which he explained also impacted both overall costs and NCPC. He said average natural gas

prices in 2015 Q2 of \$2.23 were 47% lower than in 2014 Q2. He noted this was the lowest average price since 2003, and resulted in a 38% reduction in Day-Ahead Hub LMP and a 37% reduction in Real-Time Hub LMPs compared to 2014.

Referring to a chart reflecting NCPC payments compared to Q2 2014, he reported that those payments were higher because of lower Real-Time prices and posturing of limited energy generators. Both first and second local contingency payments were higher when compared to 2014 Q2, with a \$10 million increase in second local contingency protection NCPC payments, primarily for the NEMA/Boston load zone.

Dr. McDonald reported that the Locational Forward Reserve Market (FRM) auction for Summer 2015 supply was structurally competitive with the Auction Clearing Price for Ten-Minute Non-Spinning Reserve (TMNSR) and Thirty-Minute Operating Reserve (TMOR) at \$5,834/MW-month, except for NEMA/Boston where the amount of supply offered to meet the TMOR requirement was insufficient, thereby resulting in zone pricing at the cap price. He reported that the Winter 2015/16 auction cleared at \$5,434/MW-month across all products and zones. In response to members' requests, Dr. McDonald agreed to identify the Residual Supply Index (RSI) for future reports. Referencing the fact that there has been a single price for two different products across two different zones, Dr. McDonald reported that an evaluation of the structural competitiveness in the FRM indicated that five of the last eight auctions were not structurally competitive in some products and zones, and further analysis of the offers and resulting market prices was currently underway.

A member explained that many factors are assessed and can impact whether Market Participants participate in FRM and their offer levels if they participate. He cautioned the IMM against concluding that auctions are not structurally competitive based on evaluation of a single

number and, and urged further dialogue and understanding with Market Participants before reaching broad conclusions. In response, Dr. McDonald stated that the IMM's concern was with structural competitiveness, and the review of specific offers was underway without any pre-determined position on offers generally. Structural competitiveness, he said, is based on the pool of supply and not on specific conduct by a supplier. He acknowledged that particular offers might appropriately reflect risks associated with changing requirements and rules. The IMM's goal was to ensure the ability for prices to be set through competitive forces. Several members urged that this issue be discussed more fully at the Markets Committee.

Following additional questions and comments, Mr. Gordon reported that, in addition to posting on the ISO and NEPOOL websites, future Quarterly Markets Reports would be circulated by e-mail to members.

Dr. McDonald concluded his presentation by summarizing the following recommendations:

- Develop an automated framework to address the conflict between energy market power market mitigation and the requirement for FRM resources to observe the threshold price. (A temporary, manual process was already in place).
- Address the exercise of market power through premature retirement in the FCM. (Efforts to address this recommendation were already underway).
- Account for corporate affiliations in structural competitiveness tests. The new Pivotal Supply Test for FCM would incorporate such relationships. Other similar tests relying on portfolio structure should also include consideration of affiliate relationships.

2016 ISO OPERATING AND CAPITAL BUDGETS

Mr. Kenneth Dell Orto, Budget & Finance Subcommittee Chair, referred the Committee to the 2016 ISO Operating and Capital Budget (2016 ISO Budgets) materials circulated and posted in advance of the meeting. He explained that the 2016 ISO Budgets were prepared and

reviewed in accordance with the 2013 ISO Budget settlement process, and summarized the review process as follows:

- June -- ISO presentation of preliminary 2016 Budgets at the NECPUC symposium;
- August 26 – ISO presentation of preliminary Budgets to the Budget & Finance Subcommittee;
- August 27 -- ISO presentation of preliminary budgets to New England state agencies and attorneys general;
- September 9 -- New England state regulators and consumer advocates provided questions on preliminary ISO Budgets;
- September 11 – ISO overview of the preliminary ISO Budgets to the Participants Committee;
- September 17 -- ISO response to regulators' September 9 questions;
- September 23 -- ISO memorandum circulated and included with the meeting materials identifying the allocation of projected costs among the ISO Tariff Schedules;
- September 25 – written comments on the preliminary Budgets submitted by some State agencies and consumer advocates.

Continuing with the process, he explained that the Participants Committee would vote on the 2016 ISO Budgets at the meeting, by October 8 the ISO would respond to the September 25 comments received, and at the mid-October ISO Board meeting final Budgets would be voted by the Board. He reported that the ISO would post on its website all of the States' questions received on the 2016 ISO Budgets proposal and the ISO's responses.

In Mr. Ludlow's absence, Mr. van Welie reviewed, as outlined in the September 23 memorandum, that the updates to the ISO's Operating Budget resulted in an overall net decrease in the budget of \$125,000 from prior preliminary budgets. He explained this decrease was a result of finalizing the negotiations for medical, life and disability insurance premiums, with expected costs lower than the amounts estimated in the earlier preliminary budget. He reported that the ISO Capital Budget remained the same, but with two new capital projects added: Power System Modeling Management Initiatives and NX9/NX12D- Generator Voltage Data.

In response to the letter from certain State agencies and consumer advocates, Mr. van Welie stated the ISO shared the letter with ISO Board Chairman, Mr. Philip Shapiro, who would respond to the letter in writing. The letter would be shared with the ISO Board and considered before the Board voted on the ISO 2016 Budgets. He expressed appreciation for the positive feedback reflected in the letter on the process improvements this year and for the perspective shared in the letter that there had been process improvements. He stated the letter made two requests: (1) to allow the ISO Board to consider the States' feedback at an in-person meeting prior to a Board vote; and (2) to control future growth in the ISO headcount. Mr. van Welie responded that the ISO Board had very specifically and directly discussed the headcount issue throughout the year. He explained that the ISO Board always has the opportunity for an in-person meeting to discuss any input it receives for the first time late in the review process, and the ISO was open to making further process improvements that would permit a filing in mid-October with the best and most current information possible. He suggested that it might be possible to have the Board consider written input from regulators at its September meeting, but that would require shortening of the time for the States to consider and comment on preliminary Budgets. The ISO would continue, he said, to carefully weigh its headcount needs against the

increasing pace of change. He stated the ISO was committed to be as cost-effective and transparent as possible.

A member expressed appreciation to the ISO for its transparency and reminded members that some of the headcount increase was due to new NERC requirements. The NECPUC President made clear that the concerns expressed in the letter were concerns of the Connecticut agencies and consumer advocates that signed the letter, and should not be viewed as concerns of NECPUC or other State officials that did not sign the letter. A Connecticut representative stated that the change in schedule was something that those raising the issue were willing to work out and appreciated the ISO's willingness to listen to their concerns. She confirmed that the views in the letter were presented only on behalf of the signatories, and did not reflect any of the other States' views or comments.

The following motion was then duly made, seconded and approved unanimously with abstentions noted by BP, CT OCC, ME OPA, NH OCA, and UI:

RESOLVED, that the Participants Committee supports the Year 2016 operating budget and capital budget proposed by the ISO, as presented at this meeting.

2016 NESCOE BUDGET

Mr. Dell Orto then referred the Committee to the materials circulated and posted in advance of the meeting regarding the proposed 2016 budget for the New England States Committee on Electricity (NESCOE). He reported that at the Subcommittee's August 26 meeting, there were no concerns or objections with respect to the 2016 NESCOE Budget. He said that the 2016 NESCOE Budget was consistent with NESCOE's previously approved 5-year *pro forma* budget.

The following motion was duly made and seconded:

RESOLVED, that the Participants Committee supports the 2016 NESCOE budget, as proposed by NESCOE at this meeting, as the Year 2016 operating budget for NESCOE.

A member expressed that NESCOE has become a valuable partner to NEPOOL and the ISO in the stakeholder process. Mr. Gordon stated that many in NEPOOL shared the same sentiment.

The Committee then voted and unanimously supported the 2016 NESCOE Budget, with abstentions noted by CSC, Littleton (NH), and MMWEC and each of the Publicly Owned Entities that it represented.

HQICC VALUES - FCA10 (2019/20 CAPACITY COMMITMENT PERIOD)

Mr. Gordon introduced this item and noted that it had initially been on the Consent Agenda (Consent Agenda Item #2) but was removed at the request of Long Island Power Authority (LIPA). Mr. Donald Gates, Chair of the Reliability Committee, referred the Committee to the materials circulated in advance of the meeting regarding the megawatt values to be used for the 2019/20 Capacity Commitment Period (FCA10) for the Hydro-Quebec Interconnection Capability Credit (HCICC Values). He reported the HQICC Values were considered at the September 15 Reliability Committee meeting with a vote to recommend Participants Committee support, with two oppositions, and four abstentions noted.

The following motion was duly moved and seconded:

RESOLVED, that the Participants Committee supports the proposed HQICC Values for the 2019/20 Capacity Commitment Period, as recommended by the Reliability Committee and as reflected in the materials distributed to the Participants Committee for its October 2, 2015 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 LIPA representative expressed that member's continued objection to how tie benefits are calculated as reflected in the HQICC without similar treatment for the Cross-Sound Cable. He urged going forward that the region relook at how imports are handled and treat various projects comparably.

The Committee considered and approved the HQICC Values with oppositions noted by CSC, LIPA, Dominion, Emera Energy, SunEdison, and Vitol.

ICR VALUES - FCA10 (2019/20 CAPACITY COMMITMENT PERIOD)

Mr. Gates referred the Committee to the materials circulated in advance of the meeting regarding the megawatt values to be used for the 2019/20 Capacity Commitment Period (FCA10) for Installed Capacity Requirement (ICR) and related values (ICR Values), which include the Net ICR and the capacity requirement values for the System-Wide Capacity Demand Curve and the Southeast New England (SENE) Local Sourcing Requirement (LSR). He reported that the ICR Values were considered at the September 15 Reliability Committee meeting and recommended for Participants Committee support, with three oppositions, and nine abstentions noted. Following the September 15 Reliability Committee meeting, a Participant requested this item be on the October 2 Participants Committee meeting agenda for further discussion and consideration at that meeting.

The following motion was duly moved and seconded:

RESOLVED, that the Participants Committee supports the proposed ICR Values for the 2019/20 Capacity Commitment Period, as recommended by the Reliability Committee and as reflected in the materials distributed to the Participants Committee for its October 2, 2015 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.

Some members expressed their opposition to the ICR Values because of their view that they were too high because ISO continued to fail to properly account for distributed generation (DG) on the system. They reminded members that NEPOOL voted against the ISO's ICR Values for FCA9, and that the FERC in its January 2 order accepting the ICR for FCA9 directed the ISO to reconsider how it was treating DG. Some acknowledged that the ISO in response made some progress on this issue but continued not to count settlement-only generators in the ICR calculation. Others opposing the ICR Values added that they reflected a flawed peak load forecast that did not sufficiently account for DG and demand response.

In response to the concerns raised, the representative, who had led the charge against the FCA9 ICR Values, spoke in support of the FCA10 values. He opined that the Distributed Generation and Forecast Working Group had done good work to improve how solar resources were reflected in ICR values. It was noted that there were weather analytics programs under development that might allow further improvement and some members planned to pursue those further improvements next year, but believed sufficient work has been done to produce reasonable ICR Values for FCA10.

A number of members then spoke in opposition to the ICR Values because they viewed them as too low as a result of perceived inappropriate treatment of renewable resources. One generator representative explained a perceived contradiction between the premise for the Renewable Technology Resource Exemption, which was based on an expected average amount of peak load growth, and the reality that treating behind-the-meter renewables as load reducers would further and inappropriately reduce peak demand and the resulting ICR clearing prices. Another objected to how planned behind-the-meter generators impact the long-term load forecast, which was different than how behind-the-meter resources had affected the long-term

load forecast and the ICR calculation in the past. Objection was voiced to presuming certain performance of resources that do not exist and are not subject to pay-for-performance rigor. Objectors opined that the treatment of DG undermined the substantial advances in calculating net CONE and defining a sloped demand curve. The impact in the long-run, it was argued, would be price retirements and challenges to reliability resulting from improperly reduced clearing prices. One representative argued that the ISO should make a Tariff filing and include Tariff language to explain its change in how it calculates load.

Following further comments, the Committee then voted and failed to support the ICR Values with a 53.08% Vote in favor (Generation – 17.13%; Transmission – 0%; Supplier – 12.23%; Alternative Resources – 4.45%; Publicly Owned Entity – 17.13%; and End User – 2.14%). (See Vote 1 on Attachment 2).

LITIGATION REPORT

Mr. Doot referred the Committee to the October 1 Litigation Report that had been circulated and posted the day before the meeting. He noted the continued high level of activity. He highlighted two Notices of Proposed Rulemaking issued by the FERC on September 17. One, related to price formation (settlement intervals and shortage pricing (RM15-24)), would be reported on and further discussed at the October 7-9 Markets Committee meeting. The other, related to the collection of “Connected Entity” data (RM15-23), and with no existing NEPOOL committee or working group otherwise suitable for initial review and/or recommendation, would be further described to the Participants Committee in the presentation to follow.

CONNECTED ENTITY DATA COLLECTION NOPR

Mr. Patrick Gerity, NEPOOL Counsel, referring to materials circulated in advance of the meeting, summarized key points from the FERC’s September 17, 2015 Notice of Proposed

Rulemaking regarding Connected Entity Data Collection (NOPR). He explained that the NOPR sought to expand the nature and amount of information available to the FERC for detecting market manipulation, which was a FERC enforcement priority. He described how, to accomplish that objective, the FERC proposed to require all market participants in RTO/ISOs to report each of their “Connected Entities,” which would be a new term, much broader than “Affiliate.” He summarized the differences between the reporting requirements under the NOPR and under the ISO Tariff and Code of Conduct. He said that the NOPR, if implemented, would significantly increase the amount of information required to be reported to the RTO/ISOs by market participants. He explained, based on New England’s experience, that the FERC substantially underestimated the number of “Connected Entities”. He identified potential compliance challenges for the ISO and Market Participants, particularly as the complexity of the corporate structure and number of Connected Entities increases.

Members then asked questions regarding the scope of, and offered comments on, the NOPR. They noted concerns with ambiguities in the NOPR and the potential impacts and challenges it would present. Some urged that NEPOOL submit comments in response to the NOPR.

Mr. Gerity reported that any comments in response to the NOPR were due on or before November 30. He encouraged Committee members to ensure that those within their organizations responsible for such reporting and compliance be informed of the NOPR and the members decide individually whether to comment to the FERC before a final rule is issued. Based on guidance from the Participants at the meeting and the NEPOOL Officers before the meeting, Mr. Doot reported that a single purpose working group would be established to recommend whether NEPOOL should provide comments on the NOPR and, if so, to recommend

the nature of those comments. He encouraged members to have those most knowledgeable and directly impacted participate in the working group efforts and asked that those interested in leading the effort contact Mr. Gordon. He added that a notice and materials regarding the working group efforts would be circulated the following week.

COMMITTEE REPORTS

Officers from each of the Technical Committees reported on the schedule for Committee meetings in October. Mr. Stacy Dimou reported that the Markets Committee was scheduled to meet for three days on October 7-9. Mr. Jose Rotger reported that the Transmission Committee was scheduled to meet on October 27 and November 12 to discuss changes to Attachment K to implement a schedule for biennial RSPs and to implement the ISO's price retirement mechanism, and changes to Schedule 22 and 23 for implementation of the generator interconnection process. Mr. Stein reported that the Reliability Committee was scheduled to meet on October 21 to review the Market Rule Section 12 changes needed to implement the reform of the retirement rules and OP-14 as it relates to aggregation of small resources. Mr. Dell Orto reported that the Budget & Finance Subcommittee was scheduled to meet on October 9 at 8:30 a.m. in advance of the start of the Markets Committee meeting that day.

OTHER BUSINESS

Mr. Doot reminded members that the next Participants Committee meeting was the November 6 meeting with the ISO Board and Sector breakout meetings at the Hilton Logan Hotel in Boston. He reminded the Sectors to meet to provide any questions, agenda topics, and supporting materials for the ISO Board by October 16. He reported the 2015 Annual Meeting was scheduled for December 4 at the Colonnade Hotel and that Mr. Larry Gasteiger, the FERC

Chairman's Chief of Staff, would be the guest speaker at that meeting. He reminded the Committee of the 2016 Officer election process and urged them to identify their Sector Officers for that election.

There being no further business, the meeting adjourned at 12:25 p.m.

Respectfully submitted,

David T. Doot, Secretary

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES
PARTICIPATING IN
OCTOBER 2, 2015 MEETING**

PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Ashburnham Municipal Light Plant	Publicly Owned			Chung Liu
Associated Industries of Massachusetts	End User			Roger Borghesani
Belmont Municipal Light Department	Publicly Owned		Phil Smith	
Boylston Municipal Light Department	Publicly Owned			Chung Liu
BP Energy Company	Supplier			Nancy Chafetz
Brookfield Energy Company	Supplier	Aleksander Mitreski		
Calpine Energy Services, LP	Supplier	John Flumerfelt	Brett Kruse	
Central Maine Power Company	Transmission	Eric Stinneford (tel)		
Chester Municipal Electric Light Department	Publicly Owned	Phil Smith		
Chicopee Municipal Lighting Plant	Publicly Owned			Chung Liu
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		Joe Rosenthal (tel)	
Conservation Law Foundation	End User	Jerry Elmer	David Ismay	
Consolidated Edison Energy, Inc.	Supplier	Jeff Dannels		
Cross-Sound Cable Company (CSC)	Supplier	Brian Reinhart (tel)		
Danvers Electric Division	Publicly Owned		Phil Smith	
Dominion Energy Marketing, Inc.	Generation	Jim Davis		
DTE Energy Trading, Inc.	Supplier			Nancy Chafetz
Dynergy Marketing and Trade, LLC	Supplier			Bill Fowler
Emera Maine	Transmission	Jeff Jones (tel)	Jose Rotger	Stacy Dimou Andrew McCullough Sandi Hennequin
Energy America, LLC	Supplier			Nancy Chafetz
EnerNOC, Inc.	AR	Herb Healy		
Entergy Nuclear Power Marketing, LLC	Generation		Ken Dell Orto	
Essential Power, LLC	Generation	M.Q. Riding (tel)	Bill Fowler	
Eversource Energy	Transmission	James Daly	Joe Staszowski (tel)	
Exelon Generation Company	Supplier	Steve Kirk	Bill Fowler	
Galt Power, Inc.	Supplier	Nancy Chafetz		
GDF SUEZ Energy Marketing NA, Inc.	Generation	Thomas Kaslow		
Generation Group Member	Generation	Dennis Duffy	Abby Krich (tel)	Bob Stein
Georgetown Municipal Light Department	Publicly Owned		Phil Smith	
Granite Ridge/Merrill Lynch	Supplier		Bill Fowler	
Groton Electric Light Department	Publicly Owned			Chung Liu
Groveland Electric Light Department	Publicly Owned		Phil Smith	
H.Q. Energy Services (U.S.) Inc.	Supplier		Bob Stein	Abby Krich
Harvard Dedicated Energy Limited	End User			Roger Borghesani Paul Peterson
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			Chung Liu
Hull Municipal Lighting Plant	Publicly Owned			Chung Liu
Industrial Energy Consumer Group	End User	Don Sipe		
Ipswich Municipal Light Department	Publicly Owned			Chung Liu
Jericho Power, LLC	AR		Phil Smith	
Long Island Lighting Company (LIPA)	Supplier		William Killgoar	
Littleton (MA) Electric Light & Water Department	Publicly Owned		Phil Smith	
Littleton (NH) Water & Light Department	Publicly Owned		Craig Kiemy (tel)	
Maine Public Advocate Office (ME OPA)	End User			Paul Peterson
Maine Skiing, Inc.	End User	Don Sipe		
Mansfield Municipal Electric Department	Publicly Owned			Chung Liu
Marblehead Municipal Light Department	Publicly Owned			Chung Liu

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES
PARTICIPATING IN
OCTOBER 2, 2015 MEETING**

PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Marble River, LLC	Supplier			Steve Garwood (tel)
Massachusetts Attorney General's Office (MA AG)	End User	Fred Plett	Christina Belew (tel)	
Mass. Development Finance Agency	Publicly Owned		Phil Smith	
Mass. Municipal Wholesale Electric Company (MMWEC)	Publicly Owned		Chung Liu	
Merrimac Municipal Light Department	Publicly Owned		Phil Smith	
Middleborough Gas and Electric Department	Publicly Owned			Chung Liu
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
New Hampshire Office of Consumer Advocate (NH OCA)	End User	Paul Peterson		
NextEra Energy Resources, LLC	Generation	Michelle Gardner		
Noble Americas Gas & Power Corp.	Supplier		Becky Merola (tel)	
NRG Power Marketing LLC	Generation	Dave Cavanaugh		
Pascoag Utility District	Publicly Owned		Phil Smith	
Paxton Municipal Light Department	Publicly Owned			Chung Liu
Peabody Municipal Light Plant	Publicly Owned			Chung Liu
PowerOptions, Inc.	End User			Meg Lusardi
Princeton Municipal Light Department	Publicly Owned			Chung Liu
PSEG Energy Resources & Trade LLC	Supplier	Joel Gordon		
Repsol Energy North America Company	Supplier		Nancy Chafetz	
Rowley Municipal Lighting Plant	Publicly Owned		Phil Smith	
Russell Municipal Light Dept	Publicly Owned			Chung Liu
Shrewsbury Electric & Cable Operations	Publicly Owned			Chung Liu
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			Chung Liu
Sterling Municipal Electric Light Department	Publicly Owned			Chung Liu
Stowe Electric Department	Publicly Owned		Phil Smith	
SunEdison (First Wind Energy Marketing, Inc.)	AR	John Keene		Bob Stein Abby Krich (tel)
Taunton Municipal Light Department	Publicly Owned		Phil Smith	
Templeton Municipal Lighting Plant	Publicly Owned			Chung Liu
The Energy Consortium	End User	Roger Borghesani		Paul Peterson
TransCanada Power Marketing Ltd.	Generation			Dan Congel (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 Ettori		
Vermont Energy Investment Corporation	AR		Doug Hurley	
Vermont Public Power Supply Authority	Publicly Owned	David Mullett		
Vitol Inc.	Supplier	Joe Wadsworth		
Wakefield Municipal Gas and Light Department	Publicly Owned			Chung Liu
Wallingford DPU Electric Division	Publicly Owned		Phil Smith	
Wellesley Municipal Light Plant	Publicly Owned		Phil Smith	
West Boylston Municipal Lighting Plant	Publicly Owned			Chung Liu
Westfield Gas & Electric Light Department	Publicly Owned		Phil Smith	

ROLL CALL VOTE TAKEN AT
OCTOBER 2, 2015 PARTICIPANTS COMMITTEE MEETING

TOTAL

SECTOR/GROUP	VOTE
GENERATION	0.00
TRANSMISSION	17.13
SUPPLIER	12.23
ALTERNATIVE RESOURCES	4.54
PUBLICLY OWNED ENTITY	17.13
END USER	2.14
% IN FAVOR	53.08

GENERATION SECTOR

Participant Name	VOTE
Dominion Energy Marketing, Inc.	O
Essential Power, LLC	A
GDF SUEZ Energy Marketing NA, Inc.	O
Generation Group Member	O
NextEra Energy Resources, LLC	A
NRG Power Marketing, LLC	O
TransCanada Power Marketing Ltd.	A
IN FAVOR (F)	0
OPPOSED (O)	4
TOTAL VOTES	4
ABSTENTIONS (A)	3

TRANSMISSION SECTOR

Participant Name	VOTE
Central Maine Power Company	A
Emera	S
Emera Maine	F
Emera Energy Services Subsidiaries	A
Eversource Energy	F
National Grid	F
The United Illuminating Company	F
Vermont Electric Power Company, Inc.	F
IN FAVOR (F)	4.5
OPPOSED	0
TOTAL VOTES	4.5
ABSTENTIONS (A)	1.5

ALTERNATIVE RESOURCES SECTOR

Participant Name	VOTE
Renewable Generation Sub-Sector	
Jericho Power LLC	F
Small RG Group Member	A
SunEdison (First Wind)	A
Distributed Generation Sub-Sector	
CLEARresult Consulting, Inc.	O
Load Response Sub-Sector	
EnerNOC, Inc.	A
Vermont Energy Investment Corp.	O
Small LR Group Member <i>Energy Federation Inc. Tangent Energy Solutions, Inc.</i>	O
IN FAVOR (F)	1
OPPOSED	3
TOTAL VOTES	4
ABSTENTIONS (A)	3

SUPPLIER SECTOR

Participant Name	VOTE
BP Energy Company	F
Calpine Energy Services	A
Consolidated Edison Energy, Inc.	A
Cross-Sound Cable Company	O
DTE Energy Trading, Inc.	F
Dynegy Marketing and Trade, LLC	A
Energy America, LLC	F
Exelon Generation Company	A
Galt Power, Inc.	F
Granite Ridge/Merrill Lynch Commod.	A
H.Q. Energy Services (U.S.) Inc.	F
LIPA	O
Marble River, LLC	A
Noble Americas Gas & Power Corp.	A
PSEG Energy Resources & Trade LLC	A
Repsol Energy North America	A
Vitol Inc.	A
IN FAVOR (F)	5
OPPOSED	2
TOTAL VOTES	7
ABSTENTIONS (A)	10

**ROLL CALL VOTE TAKEN AT
OCTOBER 2, 2015 PARTICIPANTS COMMITTEE MEETING**

END USER SECTOR

Participant Name	VOTE
Associated Industries of Massachusetts	O
Connecticut Office of Consumer Counsel	A
Conservation Law Foundation	O
Harvard Dedicated Energy Limited	O
High Liner Foods (USA) Inc.	O
Industrial Energy Consumer Group	A
Maine Public Advocate Office	O
Maine Skiing, Inc.	A
Mass. Attorney General's Office	F
NH Office of Consumer Advocate	A
PowerOptions, Inc.	O
The Energy Consortium	O
Utility Services Inc.	A
IN FAVOR (F)	1
OPPOSED	7
TOTAL VOTES	8
ABSTENTIONS (A)	5

PUBLICLY OWNED ENTITY SECTOR

Participant Name	VOTE
Ashburnham Municipal Light Plant	F
Belmont Municipal Light Department	F
Boylston Municipal Light Department	F
Chester Municipal Light Department	F
Chicopee Municipal Lighting Plant	F
Concord Municipal Light Plant	F
Conn. Municipal Electric Energy Coop.	F
Danvers Electric Division	F
Georgetown Municipal Light Dep't	F
Groton Electric Light Department	F
Groveland Electric Light Department	F
Hingham Municipal Lighting Plant	F
Holden Municipal Light Department	F
Holyoke Gas & Electric Department	F
Hull Municipal Lighting Plant	F
Ipswich Municipal Light Department	F
Littleton (MA) Electric Light Dep't	F
Littleton (NH) Water & Light Dep't	F
Mansfield Municipal Electric Dep't	F
Marblehead Municipal Light Dep't	F
Mass. Development Finance Agency	F
Mass. Municipal Wholesale Electric Co.	F
Merrimac Municipal Light Dep't	F
Middleborough Gas and Electric Dep't	F
Middleton Municipal Electric Dep't	F

PUBLICLY OWNED ENTITY SECTOR (cont.)

Participant Name	VOTE
New Hampshire Electric Coop.	F
Pascoag Utility District	F
Paxton Municipal Light Department	F
Peabody Municipal Light Plant	F
Princeton Municipal Light Department	F
Rowley Municipal Lighting Plant	F
Russell Municipal Light Department	F
Shrewsbury's Electric & Cable Ops.	F
South Hadley Electric Light Dep't	F
Sterling Municipal Electric Light Dep't	F
Stowe (VT) Electric Department	F
Taunton Municipal Lighting Plant	F
Templeton Municipal Lighting Plant	F
Vermont Electric Cooperative	F
Vermont Public Power Supply Authority	F
Wakefield Municipal Gas & Light Dep't	F
Wallingford, Town of	F
Wellesley Municipal Light Plant	F
West Boylston Municipal Lighting Plant	F
Westfield Gas & Electric Light Dep't	F
IN FAVOR (F)	0
OPPOSED	45
TOTAL VOTES	45
ABSTENTIONS (A)	0

CONSENT AGENDA

From the notice of actions of the October 21, 2015 *Reliability Committee*¹ meeting, dated October 26~~4~~, 2015, which has been previously circulated:

1. Revisions to OP-16 and its Associated Appendices (Biennial Review Updates, including updated references, submission schedule changes, and addition of dynamics and short circuit data requirements; Repurposing of Appendix G (Variable Reactors); Addition of Appendices H - K)

Support revisions to OP-16 (Transmission System Data) and its Appendices, including the addition of Appendices H-K, as recommended by the Reliability Committee at its October 21, 2015 meeting, with such further non-substantive 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 OP-20 (Biennial Review Updates)

Support revisions to OP-20 (Analysis of Reporting of Power System Incidents), as recommended by the Reliability Committee at its October 21, 2015 meeting, with such further non-substantive 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 ISO-NE/NYISO Coordination Agreement (Deletion of §§ 6.5 (d) and (h))

Support additional revisions to the ISO-NE/NY ISO Coordination Agreement (deletion of Sections 6.5(d) and (h)) to support the implementation of Coordinated Transaction Scheduling, as recommended by the Reliability Committee at its October 21, 2015 meeting, with such further non-substantive changes as the Chair and Vice-Chair of the Reliability Committee may approve.

The motion to recommend Participants Committee support was approved unanimously.

[continued on next page]

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

CONSENT AGENDA (cont.)

From the notice of actions of the October 7-9, 2015 *Markets Committee*² meeting, dated October 13, 2015, which has been previously circulated:

4. **Revisions to Manuals M-35 and M-36 (Extension of Forward Reserve IBT Submission Deadline)**

Support revisions to Manuals M-35 (Definitions and Abbreviations) and M-36 (Forward Reserve) to extend the deadline for submission of Internal Bilateral Transactions (IBTs) for Forward Reserve, as recommended by the Markets Committee and at its October 7-9, 2015 meeting, with such further non-substantive changes as the Chair and Vice-Chair of the Markets Committee may approve.

The motion to recommend Participants Committee support was approved unanimously.

5. **Revisions to MR1 Appendix K (Winter Reliability Program Compliance Changes)**

Support revisions to Market Rule 1 (MR1) Appendix K to address the compliance requirements contained in the FERC's September 11, 2015 order in Docket No. ER15-2208-000, as recommended by the Markets Committee at its October 7-9, 2015 meeting, with such further non-substantive changes as the Chair and Vice-Chair of the Markets Committee may approve.³

The motion to recommend Participants Committee support was approved unanimously.

6. **GIS "Cardinal" Changes (Creation of Unit-Specific Certificates for Generators in Adjacent Control Areas)**

Support revisions to the NEPOOL Generation Information System (GIS) Operating Rules related to the creation of unit-specific certificates for generators in adjacent control areas resulting in Cardinal changes to the GIS, as recommended by the Markets Committee at its October 7-9, 2015 meeting, with such further non-substantive changes as the Chair and Vice-Chair of the Markets Committee may approve.

The motion to recommend Participants Committee support was approved unanimously with five abstentions noted (Generator Sector - 1; Supplier Sector - 3; and AR Sector - 1).

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

³ Due to the 45-day compliance requirement in the [September 11 Order](#), the ISO was required to file compliance changes ahead of Participants Committee action on this item. While the Markets Committee's recommendation was reflected in the ISO's [October 26 compliance filing](#), because the Participant Processes had not been completed, NEPOOL did not join in that filing. The results of the Participants Committee action on this item will be reflected in NEPOOL comments to the FERC in response to the ISO's October 26 filing.

DIRECTIONS
Hilton Boston Logan Airport
One Hotel Drive , Boston, MA, 02128, US

From the North Shore: (Gloucester, North Shore, New Hampshire and Maine)

Take Route 95 South to Route 1 South to Route 60 East to Route 1A south. Follow signs to Logan Airport. As you enter the Airport stay to your right. Bear right onto Harborside Drive exit. At the first set of lights take a left onto Harborside drive. At the second set of lights on Harborside Drive, take a left onto Hotel Drive. Once on Hotel drive take your second right into the Hilton Hotel entrance. This will loop you around to the hotel entrance. The doorman will valet park your car or direct you to the self parking lot.

From Northern Massachusetts: (Woburn, Burlington, New Hampshire)

Take Route 93 South to exit 24 (Callahan Tunnel). Go through the Callahan Tunnel in the right lane. As you exit the tunnel, take your second right to enter Logan Airport. Bear right onto Harborside Drive exit. At the first set of lights take a left onto Harborside drive. At the second set of lights on Harborside Drive, take a left onto Hotel Drive. Once on Hotel drive take your second right into the Hilton Hotel entrance. This will loop you around to the hotel entrance. The doorman will valet park your car or direct you to the self parking lot.

From Western Massachusetts:

Follow Route 90 East, getting in the right lane. Follow signs for exit 26 (Airport/Ted Williams Tunnel). As you exit the tunnel, bear right toward Hotel Drive. After you exit the tunnel, you will see the hotel in front of you. Make a right onto Hotel Drive, take your first left into the hotel entrance. This will loop you around to the hotel entrance. The doorman will valet park your car or direct you to the self parking lot.

From South Shore/Cape Cod:

Take Route 93 North to the Route 90 East exit (exit 20). Follow route 90 East through the Ted Williams Tunnel to Logan Airport (exit 26). As you exit the tunnel, bear right toward Hotel Drive. After you exit the tunnel, you will see the hotel in front of you. Make a right onto Hotel Drive, take your first left into the hotel entrance. This will loop you around to the hotel entrance. The doorman will valet park your car or direct you to the self parking lot.

From Rhode Island, Connecticut and New York:

Take Route 95 North to Route 93 North to Route 90 East (exit 20). Follow route 90 East through the Ted Williams Tunnel to Logan Airport (exit 26). As you exit the tunnel, bear right toward Hotel Drive. After you exit the tunnel, you will see the hotel in front of you. Make a right onto Hotel Drive, take your first left into the hotel