

## **FINAL**

Pursuant to notice duly given, a meeting of the NEPOOL Participants Committee was held beginning at 2:00 p.m. on Thursday, November 7, 2024, at the Seaport Hotel, One Seaport Lane, Boston, Massachusetts, following meetings between each of the Sectors and ISO Board members and State Officials. 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 participated in the meeting.

Ms. Sarah Bresolin, Chair, presided, and Mr. Sebastian Lombardi, Secretary, recorded.

### **APPROVAL OF OCTOBER 10, 2024 MEETING MINUTES**

Ms. Bresolin referred the Committee to the preliminary minutes of the October 10, 2024 meeting, as circulated and posted in advance of the meeting. Following motion duly made and seconded, the preliminary minutes of that meeting were unanimously approved as circulated, with an abstention by Mr. Jon Lamson noted.

### **CONSENT AGENDA**

Ms. Bresolin then referred the Committee to the Consent Agenda that was circulated and posted in advance of the meeting. A motion to approve the Consent Agenda was then duly made, seconded and approved, with oppositions by Cross-Sound Cable (CSC) and LIPA, and abstentions by BP Energy, Calpine, DTE Energy, Dynegy, Galt Power, Generation Bridge, Mercuria, Nautilus, Wheelabrator, and End User Participants Mr. Alan Sliski and Mr. Lamson noted. The oppositions, as well as most of the abstentions, were specifically attributed to the HQICC and/or the ICR and Related Values for the Annual Reconfiguration Auctions (ARAs) for the 2025-26, 2026-27, and 2027-28 Capacity Commitment Periods (Consent Agenda Items 4 and

5). Further explaining their votes, the representatives for CSC and LIPA stated that their oppositions stemmed from their long-standing objections to the ISO's determination that the Cross-Sound Cable has no capacity import capability into New England, disregarding what they asserted is the project's reliability benefits to Connecticut and the region.

## **ISO CEO REPORT**

There having been no ISO Board or Board Committee meetings since the October 10 Participants Committee meeting on which to report, Mr. Gordon van Welie, ISO Chief Executive Officer (CEO), simply invited any member comments or questions. No comments or questions were offered.

## **ISO COO REPORT**

### ***Operations Report***

Dr. Vamsi Chadalavada, ISO Chief Operating Officer (COO), began by referring the Committee to his November operations report, which had been circulated and posted in advance of the meeting. Dr. Chadalavada noted that the data in the report was through October 30, 2024, unless otherwise noted. The November report highlighted: (i) that the Peak Hour for October, with 14,736 MW of Revenue Quality Metered (RQM) Data (including settlement-only generation), occurred on October 28, 2024 during the hour ending at 7:00 p.m.; (ii) October averages for Day-Ahead Hub LMP (\$35.94/MWh), Real-Time Hub LMP (\$34.86/MWh), and natural gas prices (\$1.79/MMBtu); (iii) Energy Market value for October 2024 was \$338 million, up from \$259 million in October 2023 and up from the updated September 2024 Energy Market value of \$320 million; (iv) Ancillary Markets value (\$6.5 million) was down from October 2023 (\$11.6 million); (v) average Day-Ahead cleared physical energy during the peak hours as a

percentage of forecasted load was 99.1% during October (down from 100.3% reported for September 2024); (vi) Daily Net Commitment Period Compensation (NCPC) payments for October totaled \$3.4 million, comprised of (a) \$3.4 million in first contingency payments, including \$346,500 in Dispatch Lost Opportunity Costs, \$297,100 in Rapid Response Pricing Opportunity Costs, and \$1.1 million paid to resources at external locations, (b) no Second Contingency, Distribution, or Voltage payments; and (vii) Forward Capacity Market (FCM) value was \$119.7 million.

In response to a member's question, Dr. Chadalavada clarified that the slight uptick in October NCPC was not due to maintenance outages, but rather to the duck curve experienced on 14 days during the month, which created a low intra-day LMP and triggered some make-whole payments. He went on to explain that, to date in 2024, there had been close to 100 days where the minimum load occurred mid-day versus during the overnight hours. He also noted that October 2024, seasonable and very sunny, had the lowest October Real-Time loads in the 21 years since Standard Market Design (SMD) went live in 2003. October 2024's lowest minimum load registered approximately 7,000 MWh. October's average hourly, Real-Time load was 11,000 MWh, again a historic low. Solar output continued to demonstrate strong growth, up almost 32% from October 2023, with the maximum behind-the-meter solar output on October 12 at approximately 5,000 MWh. Dr. Chadalavada also reported that there were no new transmission outages to note heading into the winter season.

When asked for additional information on FCM highlights, Dr. Chadalavada estimated that the aggregate amount of MWs that had qualified in the interim qualification process over the past year was approximately 1,389 MW (summer qualified capacity).

### ***2024-2025 Winter Outlook***

Dr. Chadalavada reported that the temperature outlook by the National Oceanic and Atmospheric Administration (NOAA) for December 2024 through February 2025 indicated a 33-40% probability of above-normal temperatures for northern New England, while southern New England has a 40-50% probability of above-normal temperatures, the third year in a row for expected above average temperatures in New England.

Turning to Winter 2024/25 expectations, Dr. Chadalavada reported that the ISO was predicting a 50/50 winter peak of approximately 20,300 MW and a 90/10 peak of approximately 21,000 MW. He noted that the Inventoried Energy Program (IEP) would be in effect for winter 2024/25 and that there were no expectations for any material generation or transmission outage issues. He said that transfer capability across the New York (NY) northern ties would be increased by 200 MW, to 1,600 MW, consistent with practice in the past four winter seasons. He said that there were no expected concerns with natural gas deliverability, though the ISO identified anywhere from approximately 4,000 – 4,800 MW of gas-only units that might be at risk on really cold days and had factored that into its capacity analysis. He also reported that the Saint John liquefied natural gas (LNG) tanks were expected to be full (at approximately 10 billion cubic feet (Bcf)) heading into the winter. Fuel oil inventories stood at 113 million gallons, which represented roughly half of New England's maximum capacity.

Dr. Chadalavada then proceeded to explain the energy analysis for an extreme Winter 2024/25. He noted that the ISO had moved away from a deterministic methodology used in prior years to one employing the Probabilistic Energy Adequacy Tool (PEAT) for the upcoming winter. He provided a summary of how things might play out in cases of very low probability events of varying duration. He said that the ISO believed potential shortfalls to be manageable,

with time for relief from market response and for other preventative/remedial actions to be employed.

In response to a question, Dr. Chadalavada clarified that PEAT only studies tail risk in extreme weather conditions, and not expected, less extreme conditions. He suggested that Participants could expect conditions significantly better than those modeled, and could take some comfort that the worst case, as benchmarked, failed to unsettle the ISO.

Replying to additional questions, Dr. Chadalavada explained how the ISO had incorporated the IEP program as an input to its model as well as its impact. He suspected that, without an IEP, the maximum shortfall would have increased, though without materially impacting probability percentages, presaging a conversation the ISO planned to have with stakeholders in the early part of 2025 regarding Winter 2025/26. Dr. Chadalavada also acknowledged that winter increases to the transfer limit of the NY ties would be impacted by the implementation of *Order 881* ambient-adjusted transmission line ratings, though given recent New York deferral requests, those impacts were unlikely to kick in for a number of years.

## **LITIGATION REPORT**

Mr. Lombardi referred the Committee to the November 5, 2024 Litigation Report that had been circulated and posted before the meeting. He highlighted the following three developments: (i) the filing of the 2025 ISO and NESCOE Budgets; (ii) ongoing litigation related to the Financial Assurance Policy Revisions to mitigate the risk of Pay-for-Performance (PFP) penalty payment defaults; and (iii) in a non-New England matter, an order rejecting proposed amendments to an interconnection service agreement among PJM, PPL and Susquehanna related to a 480 MW increase in co-located load. Mr. Lombardi encouraged anyone with questions on any matter in the Litigation Report to reach out to NEPOOL Counsel.

## COMMITTEE REPORTS

***Markets Committee (MC).*** Mr. Bill Fowler, MC Vice-Chair, reported that the next MC meeting would be on November 13, 2024 at the DoubleTree Hotel in Westborough. He said that main discussion topic would be on the Capacity Auction Reforms (CAR) project.

***Reliability Committee (RC).*** Mr. Bob Stein, RC Vice-Chair, reported that the next RC meeting would be on November 19, 2024 at the DoubleTree Hotel in Westborough. Among the items to be discussed would be PEAT enhancements and an introduction of the ISO's initial Regional Energy Shortfall Threshold (REST) metric(s) proposal.

***Transmission Committee (TC).*** Mr. Dave Burnham, TC Vice-Chair, reported that the next TC meeting would be November 21, 2024. At that meeting, the TC would continue discussion on the ISO's proposed economic study on Phase II process improvements as well as initial discussion on Transmission Operating Agreements for the new NECEC line. Looking ahead to December, Mr. Burnham reported that the TC would have its first discussion on the ISO's compliance approach in response to FERC *Order 904*, which required changes to reactive power compensation.

***Budget & Finance Subcommittee.*** Mr. Tom Kaslow reported that the next B&F meeting would be on November 22, 2024, and would include consideration of NEPOOL's 2025 Budget.

***Membership Subcommittee.*** Mr. Brad Swalwell, Membership Subcommittee Chair, reported that the next Membership Subcommittee meeting was scheduled by Zoom for Tuesday, November 12, 2024.

## **ADMINISTRATIVE MATTERS**

### ***NESCOE***

Ms. Heather Hunt, NESCOE Executive Director, stated that NESCOE was seeking written feedback on the letter, related to long-term transmission requests for proposals, presented for initial discussion at the October 23, 2024 Planning Advisory Committee (PAC) meeting. NESCOE planned to post the feedback online to ensure uniformity of information available to all. NESCOE was also considering supplementing that information with an online frequently asked questions (FAQ) feature to address questions raised. She encouraged those interested to visit the NESCOE website.

### ***NECPUC***

Mr. George Twigg, NECPUC Executive Director, reported on NECPUC's Retail Demand Working Group. He said that NECPUC had held number of meetings throughout 2024, with the group on a brief hiatus while NECPUC synthesized the input received to date. He reported that NECPUC's proposal for technical assistance from the Department of Energy's National Laboratories (National Labs) had been approved. National Labs would help establish baseline information regarding successful programs in other jurisdictions, as well as the potential for Retail Demand Response to help address winter resource adequacy issues in New England. National Labs was expected to produce interim and final findings in the first and second quarters of 2025, respectively. NECPUC would coordinate the issuance of its final report with that of National Labs'. Mr. Twigg encouraged those interested to ensure they are on NECPUC's stakeholder distribution list and to reach out to him if not. Announcements regarding future meetings would be made soon.

*Other Administrative Matters*

Mr. Lombardi reminded Committee members that, if they had not yet returned a ballot for the selection of the 2025 NPC Chair, the deadline for the return of ballots and realization of the associated Minimum Response Requirement was the following day.

He separately noted that the next Participants Committee meeting would be the Annual Meeting, scheduled for December 5, 2024 at the Colonnade Hotel in Boston, with the traditional holiday breakfast scheduled to begin at 9:00 a.m. FERC Commissioner Judy Chang had been invited to speak at that meeting and formal confirmation of her acceptance would be circulated if, and when, verified.

Finally, referring to the 2024 NEPOOL Annual Report, then under construction, Mr. Lombardi encouraged members to submit photos of their companies, assets, or facilities, so as to enhance the Report's visual presentation summarizing NEPOOL developments in 2024.

There being no other business, the meeting adjourned at 2:42 p.m.

Respectfully submitted,

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Sebastian Lombardi, Secretary

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES  
PARTICIPATING IN THE NOVEMBER 7, 2024 MEETING**

PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Advanced Energy United	Assoc. Non-Voting		Alex Lawton	
AR Renewable Generation (RG) Large Group Seat	AR-RG		Aidan Foley	
Ashburnham Municipal Light Plant	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
AVANGRID: CMP/UI	Transmission	Alan Trotta	Jason Rauch	
Bath Iron Works	End User			Bill Short
Belmont Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Block Island Utility District	Publicly Owned Entity	Dave Cavanaugh		
BlueWave Public Benefit Corp.	AR-DG	Mike Berlinski (tel)		
Boylston Municipal Light Department	Publicly Owned Entity	Matt Ide (tel)		Dan Murphy
BP Energy Company	Supplier			José Rotger
Braintree Electric Light Department	Publicly Owned Entity		Dave Cavanaugh	
Brookfield Energy Trading and Marketing LLC	Supplier	Aleks Mitreski		
Castleton Commodities Merchant Trading	Supplier			Bob Stein
Chester Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Chicopee Municipal Lighting Plant	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Concord Municipal Light Plant	Publicly Owned Entity		Dave Cavanaugh	
Connecticut Municipal Electric Energy Coop.	Publicly Owned Entity	Brian Forshaw (tel)		
Connecticut Office of Consumer Counsel	End User	Claire Coleman (tel)	Jamie Talbert-Slagle (tel)	
Constellation Energy Generation (Constellation)	Supplier		Bill Fowler	
CPV Towantic, LLC	Generation	Joel Gordon (tel)		
Cross-Sound Cable Company (CSC)	Supplier		José Rotger	
Danvers Electric Division	Publicly Owned Entity		Dave Cavanaugh	
DTE Energy Trading, Inc.	Supplier			José Rotger
Dargin and Crowell Lumber Co.	End User			Bill Short
Dominion Energy Generation Mktg	Generation	Wes Walker (tel)		
ECP Companies Calpine Energy Services, LP New Leaf Energy	Generation	Andy Gillespie	Alex Chaplin	Bill Fowler
Elektrisola, Inc.	End User			Bill Short
Emera Energy Services	Supplier			Bill Fowler
ENGIE Energy Marketing NA, Inc.	AR-RG	Sarah Bresolin		
Eversource Energy	Transmission		Dave Burnham	Vandan Divatia
FirstLight Power Management, LLC	Generation	Tom Kaslow		
Galt Power, Inc.	Supplier	José Rotger	Jeff Iafrazi (tel)	Steve Conant (tel)
Garland Manufacturing Company	End User			Bill Short
Generation Bridge Companies	Generation		Bill Fowler	
Generation Group Member	Generation		Abby Krich (tel)	
Georgetown Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Groton Electric Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Granite Shore Companies	Generation			Bob Stein
Groveland Electric Light Department	Publicly Owned Entity		Dave Cavanaugh	
H.Q. Energy Services (U.S.) Inc. (HQUS)	AR-RG		Bob Stein	
Hammond Lumber Company	End User			Bill Short
High Liner Foods (USA) Inc.	End User		Bill Short	
Hingham Municipal Lighting Plant	Publicly Owned Entity		Dave Cavanaugh	
Holden Municipal Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Holyoke Gas & Electric Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Hull Municipal Lighting Plant	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Icetec Energy Services, Inc.	AR-LR	Doug Hurley		
Ipswich Municipal Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Jericho Power LLC (Jericho)	AR-RG	Ben Griffiths	Nancy Chafetz (tel)	Marji Philips

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PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Lamson, Jon	End User	Jon Lamson (tel)		
Littleton (MA) Electric Light and Water Department	Publicly Owned Entity		Dave Cavanaugh	
Littleton (NH) Water & Light Department	Publicly Owned Entity		Craig Kieny (tel)	
Long Island Power Authority (LIPA)	Supplier	Bill Kilgoar (tel)		
Maine Public Advocate's Office	End User			Chelsea Mattioda (tel) Stefan Koester (tel)
Mansfield Municipal Electric Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Marblehead Municipal Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Mass. Attorney General's Office (MA AG)	End User	Jacquelyn Bihrlle (tel)	Kelly Caiazzo (tel)	Jamie Donovan (tel)
Mass. Bay Transportation Authority	Publicly Owned Entity		Dave Cavanaugh	
Mass. Dept. Capital Asset Management	End User		Paul Lopes (tel)	Nancy Chafetz (tel)
Mass. Municipal Wholesale Electric Company	Publicly Owned Entity	Matt Ide (tel)	Dan Murphy	
Mercuria Energy America, LLC	Supplier			José Rotger
Merrimac Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Middleborough Gas & Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Middleton Municipal Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Moore Company	End User			Bill Short
Natural Resources Defense Council	End User	Claire Lang-Ree (tel)		
Nautilus Power, LLC	Generation		Bill Fowler	
New England Power (d/b/a National Grid)	Transmission	Tim Brennan	Tim Martin	
New England Power Generators Assoc. (NEPGA)	Associate Non-Voting	Bruce Anderson		Molly Connors (tel)
New Hampshire Electric Cooperative	Publicly Owned Entity			Brian Forshaw (tel)
New Hampshire Office of Consumer Advocate	End User	Matthew Fossum		Stefan Koester (tel)
NextEra Energy Resources, LLC	Generation		Nick Hutchings	
North Attleborough Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Norwood Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Nylon Corporation of America	End User			Bill Short
Pascoag Utility District	Publicly Owned Entity		Dave Cavanaugh	
Pawtucket Power Holding Company	Generation	Dan Allegretti		
Paxton Municipal Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Peabody Municipal Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
PowerOptions	End User			Chelsea Mattioda (tel)
Princeton Municipal Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Reading Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Rhode Island Energy (Narragansett Electric Co.)	Transmission	Brian Thomson		Janelle Fabiano
Rowley Municipal Lighting Plant	Publicly Owned Entity		Dave Cavanaugh	
Russell Municipal Light Dept.	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Saint Anselm College	End User			Bill Short
Shell Energy North America (US) LP	Supplier	Jeff Dannels		
Shipyard Brewing LLC	End User			Bill Short
Shrewsbury Electric & Cable Operations	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Sliski, Alan	End User	Alan Sliski		
South Hadley Electric Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Sterling Municipal Electric Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Stowe Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Tangent Energy	AR-LR	Brad Swalwell		
Taunton Municipal Lighting Plant	Publicly Owned Entity		Dave Cavanaugh	
Templeton Municipal Lighting Plant	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Union of Concerned Scientists	End User			Francis Pullaro (tel)
Vermont Electric Company	Transmission	Frank Ettori		

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Vermont Electric Cooperative	Publicly Owned Entity	Craig Kienny (tel)		
Vermont Energy Investment Corporation	AR-LR	Stefan Koester (tel)		Chelsea Mattioda (tel)
Vermont Public Power Supply Authority	Publicly Owned Entity			Brian Forshaw (tel)
Versant Power	Transmission	Dave Norman		
Village of Hyde Park (VT) Electric Department	Publicly Owned Entity	Dave Cavanaugh		
Vistra (Dynegy Marketing and Trade, Inc.)	Supplier	Ryan McCarthy		Bill Fowler
Wakefield Municipal Gas & Light Department	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Walden Renewables Development LLC	Generation			Abby Krich (tel)
Wallingford DPU Electric Division	Publicly Owned Entity		Dave Cavanaugh	
Wellesley Municipal Light Plant	Publicly Owned Entity		Dave Cavanaugh	
West Boylston Municipal Lighting Plant	Publicly Owned Entity		Matt Ide (tel)	Dan Murphy
Westfield Gas & Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Wheelabrator North Andover Inc.	AR-RG		Bill Fowler	
ZTECH, LLC	End User			Bill Short