

**Minutes of the Joint Meeting of the NEPOOL Markets & Reliability Committees
Teleconference/ WebEx
September 29, 2020**

Attendee	Member/ Alternate	Market Participant
M. Winkler	MC Chair	ISO New England Inc.
E. Laine	RC Chair	ISO New England Inc.
R. Stein	RC Vice-Chair	
	Member	Generation Group Member; NRG Power Marketing; PSEG Energy Resources
	Alternate	H.Q. Energy Services (U.S.) Inc.
	Temporary Alternate	Footprint Power Salem Harbor Development LP
W. Fowler	MC Vice-Chair	Wheelabrator North Andover Inc., Exelon Generating Company LLC, Dynegy Power Marketing, LLC, Great River Hydro, LLC, Nautilus Power
E. Wasik-Gutierrez	MC Secretary	ISO New England Inc.
M. Lyons	RC Secretary	ISO New England Inc.
E. Abend	Member	AR RG Small Group Member
M. Ainspan	Alternate	NRG
C. Belew	Member	Commonwealth of Massachusetts Office of Attorney General
D. Cavanaugh	Alternate	Braintree Electric Light Dept., Belmont Municipal Light Dept., Block Island Power Company, Chester Municipal Electric Light Dept., Concord Municipal Light Plant, Danvers Electric Division, Georgetown Municipal Light Dept., Groveland Municipal Electric Department, Hingham Municipal Lighting Plant, Littleton Electric Light & Water Dept., Massachusetts Bay Transportation Authority, Merrimac Municipal Light Dept., Middleborough Gas & Electric Department, Middleton Municipal Light Dept., North Attleborough Electric Department, Pascoag Utility District, Reading Municipal Light Department; Rowley Municipal Lighting Plant, Stowe Electric Dept., Taunton Municipal Lighting Plant, Town of Wallingford, Village of Hyde Park Electric Department, Wellesley Municipal Light Plant, Westfield Gas & Electric Dept.
N. Chafetz	Member	Direct Energy Business
L. Delaney	Member	Borrego Solar
D. Donovan	Alternate	Acadia Center

D. Errichetti	Member	Eversource Energy
F. Etori	Member	Vermont Electric Power Company
J. Fenn	Member	Emera Maine
L. Fishback	Alternate	Maple Energy
B. Forshaw	Member	Connecticut Municipal Electric Energy Cooperative
	Temporary Alternate	Vermont Public Power Supply Authority; MMWEC
P. Fuller	Alternate	NRG
	Temporary Alternate	Sunrun
M. Gardner	Member	NextEra
P. Gandhir	Member	Conservation Law Foundation
B. Griffiths	Alternate	MA AGO
L. Guilbault	Member	H.Q. Energy Services
M. Hanna	Alternate	United Illuminating Company
H. Healy	Alternate	Enel X North America Inc.
R. Heidorn	Alternate	End User
B. Ho	Member	Natural Resources Defense Council
D. Hurley	Member	Small DG Group Member, Vermont Energy Investment Corp, New Hampshire Office of Consumer Advocate
J. Iafrazi	Alternate	Galt Power
B. Jagolinzer	Member	Central Maine Power
S. Kaminski	Member	NH Electric Cooperative
T. Kaslow	Member	FirstLight Power Resources
S. Kirk	Member	Exelon Generation Company, LLC
A. Krich	Member	Boreas Renewables/Generation Group Seat
B. Kruse	Member	Calpine Energy Services, LP
A. Landry	Member	Maine Public Advocate Office
M. Macrae	Member	Enel X
B. McKinnon	Alternate	MMWEC et al., Norwood, South Hadley, NHEC
T. Martin	Alternate	New England Power Company

W. Nuara	Alternate	Dominion Energy
J. Rotger	Member	Cross-Sound Cable, Galt Power, BP Energy, DTE Energy Trading, Mercuria
M. Smith	Alternate	Central Maine Power Company
M. Spencer	Member	Jericho Power LLC
B. Swalwell	Member	Tangent Energy Solutions
D. Thompson	Alternate	Connecticut Office of Consumer Counsel
P. Turner	Alternate	Conservation Law Foundation
Guest		Affiliation
B. Anderson		NEPGA
P. Asarese		ISO New England Inc.
M. Babula		ISO New England Inc.
J. Ballantine		ISO New England Inc.
K. Bashford Epton		ISO New England Inc.
J. Bentz		NESCOE
D. Bergeron		NHPUC
P. Bernard		ISO New England Inc.
K. Boucher		ISO New England Inc.
A. Brady		ISO New England Inc.
D. Capra		NESCOE
P. Chattopadhyay		NH PUC
Q. Chen		ISO New England Inc.
W. Coste		ISO New England Inc.
B. D'Antonio		NESCOE
A DiGrande		ISO New England Inc.
V. Davatia		Eversource Energy
P. Flynn		Consultant
R. Garza		NEPOOL Counsel

K. Haag		ISO New England Inc.
M. Heimgartner		Maine PUC
N. Hutchings		ISO New England
S. Judd		ISO New England Inc.
S. Keane		Mass DPU
R. Kowalski		ISO New England Inc.
M. Krowlewski		Vermont PUC
P. Littlehale		Eversource
S. Lombardi		NEPOOL Counsel
P. Lopes		Mass DOER
J. Lucas		Eversource
X. Luo		ISO New England Inc.
C. Lynch		The Nature Conservancy
C. Marquis		AEE
B. Nield		ISO New England Inc.
B. Oberlin		ISO New England Inc.
M. Perben		National Grid
D. Phelan		NH PUC
E. Runge		Day Pitney
D. Schwarting		ISO New England Inc.
C. Sedlacek		ISO New England Inc.
D. Smith		ISO New England Inc.
R. Snook		CT DPU
P. Sussler		Consultant
Weinstein		Dynergy
A. Worsley		Boreas Renewables

Agenda Item No. 1: Chairs' Remarks

The Chairs welcomed committee members and guests, and had participants participating by phone only identify themselves.

Agenda Item No. 1A: Meeting Minutes

Markets Committee (MC) – Meeting Minutes

The following motion was moved and seconded by the Markets Committee:

RESOLVED, that the Markets Committee approves the minutes for the September 1, 2020 joint meeting of the Markets and Reliability Committees , as circulated for the joint MC and RC September 29, 2020 meeting, with such further non-substantive changes as the Chair and Vice-Chair may approve.

The motion was then voted. The motion passed unanimously based on a voice vote.

Reliability Committee (RC) – Meeting Minutes

The following motion was moved and seconded by the Reliability Committee:

RESOLVED, that the Reliability Committee approves the minutes for the September 1, 2020 joint meeting of the Markets and Reliability Committees , as circulated for the joint MC and RC September 29, 2020 meeting, with such further non-substantive changes as the Chair and Vice-Chair may approve.

The motion was then voted. Based on a voice vote, the motion passed with none opposed and no abstentions.

Agenda Item No. 2: Introduction to Project Administrator – Peter Flynn

Ms. Nancy Chafetz, Chair of the NEPOOL Participants Committee (NPC), announced that Mr. Peter Flynn has been retained by NEPOOL and NESCOE to be the project administrator for the future grid reliability study. Ms. Chafetz noted that Mr. Flynn would be actively seeking feedback at the joint meetings, which is where decisions will be made regarding developing the study proposal.

Agenda Item No. 3: Future Grid Reliability Study

Mr. Flynn delivered a presentation focusing on discussions points related to the scope, metrics and development of a straw proposal. He indicated the goal for today's meeting was to achieve consensus among the Markets Committee and Reliability Committee members ('MC' and 'RC', respectively or together 'committees') on the scope and study of metrics, the criteria for selecting a straw proposal, and the key modeling assumptions. Mr. Flynn indicated he was aiming to provide at the November joint meeting an analysis comparing past and ongoing studies/ proposals based on criteria and key assumptions.

Based on feedback from the committees, Mr. Flynn confirmed that the plan for the November meeting now is to come back with a set of condition cases or scenarios that reflect the diversity of what has been proposed by stakeholders earlier in the process rather than develop a case that represents a plausible

future. Mr. Flynn also acknowledged that there is some disagreement among stakeholders on whether all the requests submitted would fall within the scope of the study. Mr. Flynn also indicated he would work with NESCOE, NEPOOL, and the ISO to develop scenarios for the November meeting that will highlight different needs while maintaining a focus on resource needs and operational reliability needs.

Mr. Flynn then reviewed the scope of the study and metrics, noting that the major areas for analysis will be production cost, FCM pricing, reliability/ resource adequacy, ancillary services, and transmission. Comments included the following:

- The Energy Security Improvement changes should be considered and potentially reflected in the production cost modeling.
- A representative from NESCOE noted the metrics might not be limited to what is listed in the presentation.
- Areas of focus should include ramping.
- The concern was noted that people might view production cost as a representation of total cost, and there needs to be discussion on ways to incorporate the total cost to customers (including capital costs).
- Volatility in hourly LMPs would be more useful than metrics such as LMP averages.
- Curtailment would be better than the term spillage when referencing renewable resources.
- Discussion should include how threshold prices used in the economic study will be developed, and how curtailment will be reported.
- Varying comments were offered from stakeholders regarding how to determine revenue sufficiency. It was stated that the study should consider FCM revenues. It was suggested that using the Net CONE value for calculating revenue adequacy might produce results that are more useful rather than trying to predict future outcomes of the FCM. It was clarified that the approach will model what revenues are available from the energy market and see how the revenue gaps can be filled with the existing markets. There was agreement that how to determine the missing money will require more discussion at future meetings.
- There was agreement among stakeholders that a resource adequacy assessment is important, but a traditional analytics of loss of load is not as important. Looking at the system over the year (8760 hours) with the new operating characteristics would be a better approach.
- Stakeholders exchanged their thoughts on the transmission assessment, and how to leverage expertise to structure the study. Members provided feedback on what the emphasis should be including the reliability needs to operate the system, how the system would run constrained or unconstrained. A member suggested a study that looks at transmission stability.
- There were different views on a starting point for the study, and a range of scenarios was discussed, including whether the study should start with a single year rather than doing multiple years at the same time and/or key assumptions such as decarbonization goals, and resource location for transmission.
- In terms of assumptions, certain members suggested that energy efficiency be looked at as supply rather than load.

Mr. Flynn thanked the committees and noted he will be taking into consideration the feedback he received today.

ISO noted it will follow up with Mr. Flynn to provide him information regarding its modeling capabilities.

Agenda Item No. 4: Other Business

As there was no further business before the committees, the meeting adjourned.

Respectfully submitted,

_____/s/_____

Erin K. Wasik-Gutierrez, Secretary

Markets Committee