

**Planning Advisory Committee
Doubletree Hotel, Milford, MA
March 15, 2018**

Bruce Anderson	NEPGA
Bob Andrew	Eversource Energy
Peter Bernard	ISO New England Inc.
Jon Black	ISO New England Inc.
Cal Bowie	Eversource Energy
David Bradt	Avangrid
Jon Breard	ISO New England Inc.
David Burnham	Eversource Energy
Dorothy Capra	NESCOE
Ray Coxe	Mosaic Energy Insights for Brookfield
Ben D'Antonio	NESCOE
Michael Drzewianowski	ISO New England Inc.
Brian Forshaw	CMEEC
Michele Gardner	Next Era Energy
David Ismay	Conservation Law Foundation
Eric Jacobi	FERC
Steven Judd	ISO New England Inc.
Bruce Kay	ISO New England Inc.
Kaushal Kumar	ISO New England Inc.
Marc Lyons	ISO New England Inc.
Tim Martin	New England Power Company
Bruce McKinnon	New Hampshire Electric CoOp/Norwood Municipal/Utility Services
John Moskal	U.S. EPA
Susan Muller	Bores Renewables
Fred Ninotti	ISO New England Inc.
Brent Oberlin	ISO New England Inc.
Paul Peterson	Synapse Economics
Fred Plett	Massachusetts Attorney General Office
Hantz Presume	VELCO
Abhinav Rawat	New England Power
Victoria Rojo	ISO New England Inc.
Alex Rost	ISO New England Inc.
Jose Rotger	Cross Sound Cable
Eric Runge	Day Pitney
Bob Russo	Eversource Energy
Abimael Santana	ISO New England Inc.
Patricio Silva	ISO New England Inc.
Bob Stein	HQUS/PSEG/NRG/Footprint
Nathya Reddy Tada	ISO New England Inc.
Brian Thomson	Massachusetts Wholesale Electric Company
George Wegh	Eversource Energy
Eric Winkler	Winkler Energy Consulting
Carol Wendell	ISO New England Inc.

Item 1.0 – Chairs Remarks

Mr. Pete Bernard welcomed the committee and reviewed the day's agenda.

Item 2.0 – Draft 2018 CELT ISO-NE Annual Energy and Summer Peak Forecast

Mr. Jon Black (ISO) and Ms. Victoria Rojo (ISO) provided an overview of the 2018 CELT IS-NE Annual Energy and Summer Peak Forecast.

Q - How does PV react as temperatures rise?

A – The PV efficiency begins to degrade as temperatures start exceeding 70 degrees.

Q – Do you have an estimate of what is the nameplate MWs of the behind the meter solar?

A – We have the information but it is not readily available at this time.

Q – Is the energy efficiency you're counting cleared in FCM?

A – Yes it is.

Q – Is wind a factor in the winter peak modeling?

A - It is not.

Q – Is EE degradation factored into the EE forecast?

A – It is.

Item 3.0 – Regional System Plan – Transmission Projects and Asset Conditions – March 2018

Mr. Brent Oberlin (ISO) provided an overview of the March 2018 Transmission Project and Asset Conditions List.

Q - Is there an asset replacement project in Vermont that will take place over several years? If so, why it is not on this list?

A – We only update the project list with new items. That project was included in the presentation provided in June or March of last year.

Item 4.0 – Transmission Planning Technical Guide Update

Mr. Steven Judd (ISO) provided an overview of the updates to the Transmission Planning Technical Guide Appendices.

There were no questions from the committee on this topic.

Item 5.0 – Montville 16X Autotransformer Replacement

Mr. George Wegh (Eversource) provided an overview of the Montville 16X Autotransformer Replacement Project.

Q – Does the Torrington Transformer have a similar LTC?

A- It does.

Q – Will you deactivate the transformer prior to installing the new one?

A – We will install the new transformer and then do a hot cutover and then remove the old transformer.

Item 6.0 – Card 5X Autotransformer Update

Mr. Bob Russo (Eversource) provided an overview of the Card 5X Autotransformer Replacement Project.

Q - Do the costs include moving the transformer?

A - It is a spare in the Eversource system and will include the cost of the spare as well as installation.

Item 7.0 – Eastern Connecticut 2027 Needs Assessment Results

Mr. Jon Breard (ISO) provided an overview of the Eastern Connecticut 2027 Needs Assessment Results.

Q - Could you include a diagram that shows the 69 kV system in the area?

A – We can check to see if we can do that.

Q – Were the Kent County capacitors banks on for this study.

A – I would need to go back and check on that.

Q – Did you study any potential Non-Transmission Alternatives (NTA)?

A – No one provided us any information regarding NTA for the area. We can only use resources that have a state obligation or has an FCM obligation. We can't use a resource to alleviate area transmission issues if it has no firm commitment to build.

CMEEC commented that they appreciate the work in this area. There is a concern that the study didn't address the area operating practices as well as ongoing work in the area.

Q – When will we see the solutions identified in the needs assessment?

A – We hope to have it available in Q3 of this year.

Bob Stein suggested there is not a need to perform a critical load level (CLL) analysis. There was wide spread agreement that the analysis is not required as the year of need is less than 3 years.

Item 8.0 – Canal 115 kV BPS Upgrades

This topic was pulled from the agenda at the request of Eversource Energy.

Planning Advisory Committee meeting adjourned at 1:35 PM

Respectively submitted

Marc Lyons
Secretary, Planning Advisory Committee