

**Planning Advisory Committee
Doubletree Hotel, Milford, MA
June 13, 2018**

Joe Adadjo*	Eversource Energy
Chris Aguino	ISO New England Inc.
Bob Andrew	Eversource Energy
Denis Bergeron*	Maine PUC
Peter Bernard	ISO New England Inc.
Cal Bowie*	Eversource Energy
Dave Bradt	Avangrid
Jon Breard	ISO New England Inc.
Dave Burnham	Eversource Energy
Dorothy Capra	NESCOE
Phylcia Cicilio	ISO New England Inc.
Ray Coxe	Mosaic Energy Insights for Brookfield
Kelley Csizmesia	New England Power
Frank Ettori	VELCO
Jeff Fenn	Emera Maine
Bill Fowler*	Dynegy/Exelon
Steve Garwood	New Hampshire Transmission
Joel Gordon	PSEG
Jeff Iafrati*	Customized Energy Solutions
Eric Jacobi	FERC
Steven Judd	ISO New England Inc.
Tom Kaslow	First Light
Manasa Kotha	ISO New England Inc.
Kaushal Kumar	ISO New England Inc.
Michael Kuser	RTO Insider
Nan Li*	Exelon
Marc Lyons	ISO New England Inc.
Eva Maillot	ISO New England Inc.
Chris Malone	Avangrid
Bruce McKinnon	New Hampshire Electric CoOp/Norwood Municipal/Utility Services
Shaun Morin	Eversource Energy
John Moskal	U.S. EPA
Susan Muller*	Boreas Renewables
Margaret Neves*	Power Engineering
Brent Oberlin	ISO New England Inc.
Raynold Paine*	RLC Engineering
Paul Peterson	Synapse Economics
Dan Pierpont	CPV Towantic
Fred Plett*	Massachusetts Attorney General Office
Hantz Presume	VELCO
Abhinav Rawat	New England Power
Jose Rotger*	Cross Sound Cable
Eric Runge*	Day Pitney
Bob Russo	Eversource Energy
Bob Stein	HQUS/PSEG/NRG/Footprint
Brian Thomson*	Massachusetts Wholesale Electric Company
Pradip Vijayan	ISO new England Inc.
Greg Wade	ISO New England Inc.

James Yeske	Avangrid
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* Participated by phone

Item 1.0 – Chairs Remarks

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

Mr. Bernard informed the committee that the group distribution list email for the Planning Advisory Committee has been changed from TEAC to PAC. The new email address is pac@iso-ne.com

In addition, it will no longer be necessary to register for PAC meetings in the future.

The July 11th meeting has been canceled due to the lack of agenda items. The next scheduled PAC meeting is Tuesday, August 21st at the Westborough Doubletree Hotel.

As a reminder, the Draft Transmission Planning Technical Guide Appendix G. – Phase Shifting Transformers Modeling Guide Revision 5 was posted recently. Kindly submit all comments on the Microsoft Word version in redline format to the PACMatters@iso-ne.com email by Tuesday June 26, 2018.

Item 2.0 – Southwest Connecticut 2027 Needs Assessment Results

Mr. Pradip Vijayan (ISO) provided an overview of the results of the Southwest Connecticut 2027 Needs Assessment.

As a result of the study, there were no peak load criteria violations and four high voltage violations at minimum load.

There were no questions from the committee on this topic.

Item 3.0 – Greater Hartford/Central Connecticut (GHCC) – Southwest Hartford to Newington 115 kV Line Upgrade

Mr. Pradip Vijayan (ISO) provided an overview of the Southwest Hartford to Newington 115 kV Line Upgrade Project.

The determination of the review was to modify the project from a total underground cable between the two stations to an overhead/underground hybrid line resulting in an almost \$30M project savings. A Level I PPA will be submitted to the RC to revise the scope of the project.

There were no questions from the committee on this topic.

Item 4.0 – Railroad Corridor Transmission Line Asset Conditions

Mr. Chris Malone (Avangrid) provided an overview of the Railroad Corridor Transmission Line Asset Conditions Project to relocate the area transmission lines from deteriorating catenary structures.

Q – If the railroad intends to replace the structures, there could be some cost sharing benefits.

A – Avangrid/UI has met with the railroad and they did not give any indication that they intend to replace the structures. UI has been studying this project since 2013 and it's been determined that the work that needs to be performed and it cannot wait any longer.

Q – As a result of this project are there plans to review the area SPS's?

A – We have reviewed the SPS's and it has been determined there is a continued need for them.

Q – Will the project costs include the right of way acquisitions?

A – It will.

Item 5.0 – Canal Station #980 BPS and Asset Conditions Upgrade Project

Mr. Shaun Morin (Eversource) provided an overview of the Canal Station #980 BPS and Asset Conditions Upgrade Project as the equipment is 1960 vintage and has become obsolete with replacement parts no longer available. In addition, construction of a new control house that will be 3 feet above the FEMA 100-year flood level.

Q – Is there other equipment at the station such as breaker and transformers that will need to be elevated as well?

A – That was not part of the project scope but could be reviewed at a later date.

Item 6.0 – Robinson Avenue Station – 115 kV Asset Condition Needs and Solutions

Ms. Kelly Csizmesia (New England Power) provided an overview of the Robinson Avenue Station – 115 kV Asset Condition Needs and Solutions due to construct a new control house and replace obsolete equipment with replacement parts no longer available.

There were no questions from the committee on this topic.

Item 7.0 – Regional System Plan Transmission Projects and Asset Conditions – June 2018 Update

Mr. Jon Breard (ISO) provided the June 2018 update the Regional System Plan Transmission Projects and Asset Conditions list.

Q – Does this list include the Avangrid Railroad Corridor asset conditions project given earlier today?

A – It does not, as the asset conditions projects need to come before PAC first before we will add them to the list. At the time this presentation was developed, Avangrid had not come before PAC with the project.

Item 8.0 – Representative Future Locational Reserves Needs for Current Reserve Zones

Mr. Fei Zeng (ISO) provided an overview of the Representative Future Locational Reserves Needs for Current Reserve Zones.

Q – Was the delisting of Mystic 9 reviewed?

A – It was, but the Greater Boston Transmission Upgrades Project mitigated the additional reserve needs in the area.

Item 9.0 – Future Representative Capacity Requirements for CCP 2023-2024 through 2027-2028

Ms. Manasa Kotha (ISO) provided an overview of the Future Representative Capacity Requirements for CCP 2023-2024 through 2027-2028.

Minor clarification questions were asked and responded to by Ms. Kotha.

Item 10.0 – Second Maine Resource Integration Study

Mr. Al McBride (ISO) provided an update to the overview to the Second Maine Resource Integration Study.

Q – How long does it take to perform a cluster SIS?

A – We are striving to complete a cluster SIS within a year of starting it.

Q – Is ISO considering any additional cluster studies in Maine at this time?

A – Not at this time.

Planning Advisory Committee meeting adjourned at 2:20 PM

Respectively submitted

Marc Lyons
Secretary, Planning Advisory Committee