

**Planning Advisory Committee
Doubletree Hotel – Westborough, MA
June 19, 2019**

Syed Ahmed	Quanta Technologies
Bob Andrew	Eversource Energy
Katie Bellezza	Novatus Energy
Peter Bernard	ISO New England Inc.
Cal Bowie	Eversource Energy
Erin Camp	Synapse Economics
Dorothy Capra	NESCOE
Ray Coxe	Mosaic Energy Insights for Brookfield
Liz Delaney	Environmental Defense Fund
Paul Didsayabuta	Avangrid
Michael Drzewianowski	ISO New England Inc.
Jeff Fenn	Emera Maine
Kevin Flynn	ISO New England Inc.
Brian Forshaw	CMEEC
Bill Fowler	Exelon
Nicholas Gangi	Eversource Energy
Steve Garwood	New Hampshire Transmission
Marcos Guispe	Massachusetts DPU
Jeff Iafrati	Customized Energy Solutions
Steve Kaminski	New Hampshire Electric CoOp
Steve Kirk	Exelon
Abby Krich	Boreas Renewables
Michael Kuser	RTO Insider
Marc Lyons	ISO New England Inc.
Eva Mailhot	ISO New England Inc.
Chris Malone	Avangrid
Tim Martin	New England Power
Al McBride	ISO New England Inc.
Bruce McKinnon	South Hadley Electric CoOp/Norwood Municipal
Shaun Morin	Eversource Energy
Margaret Neves	Power Engineers
Brent Oberlin	ISO New England Inc.
Hantz Presume	VELCO
Andrew Rawat	New England Power
Joe Rossignoli	New England Power
Alex Rost	ISO New England
Jose Rotger	Cross Sound Cable Company
Eric Runge	Day Pitney
Carissa Sedlacek	ISO New England Inc.
Abhinav Singh	ISO New England Inc.
Bob Stein	HQUS/PSEG/NRG/Footprint
Brad Swalwell	Tangent Energy

Alan Trotta	Avangrid
Pradip Vijayan	ISO New England Inc.

Item 1.0 – Chairs Remarks

Mr. Pete Bernard welcomed the committee and reviewed the days’ agenda.

Mr. Bernard announced that the July 11, 2019 PAC has been cancelled.

As part of the PAC meeting materials, the following presentations have been posted:

- Review Process for Draft 2019 Regional System Plan Report (RSP 19)
- Generic and Region-Specific Capital Costs of New Generating Technologies

Item 2.0 – Second Maine Resource Integration Study – Preliminary Results

Mr. Al McBride (ISO-NE) reviewed the preliminary results from the Second Maine Resource Integration Study.

Q – How will stakeholders be informed if there are any CTUs associated with the Cluster Study?

A – If projects move into the SIS phase, CTUs would be included and they would have been identified in Phase I of the study. That information would be made available to the public during the PPA process.

Q – How will ISO treat the duplicate interconnection requests?

A – They are the same interconnection transmission projects identified in the first cluster. As such, the transmission work will not be built twice. The transmission work in question is the 345 kV circuit from Western Maine to Larrabee Road.

Q – With the reduction of MWs in the queue, at what point to you revisit the study process?

A – We will discuss that later in the presentation.

Q – Have you taken into account the nature of the intermittent resources for both the Maine Wind resources, as well as the projected off shore wind?

A – That would be addressed under operational dispatch and other market initiatives such as fuel security or maintaining of the reserve products.

Q – Will the transmission construction and expansion associated with the project and paid for by the generators, will the generators have any specific transmission rights over those lines?

A – They will not. We will dispatch across the new transmission as needs with no exclusive transmission rights for the builders of the line.

Q – With the HVDC line, have you accounted for the reactive support capability?

A – We will be using voltage source converter technology as part of the HVDC lines and the associated reactive capability.

Q – Will ISO perform a restudy now that Number Nine has withdrawn from the queue?

A – The study was performed prior to Number Nine withdrawing. We will now need to go back and do a restudy without Number Nine in the mix.

Q – Have you considered interconnecting with a radial line direct to Orrington versus Pittsfield?

A – ISO will take that back for additional review and discussion.

Comment – There are significant right of way issues to connect into Orrington.

Q – Will the final results presentation include the project costs estimates?

A – It will.

Comment – Due to the amount of MWs dropping out of the cluster study and queue, ISO will restudy the project using AC lines versus DC lines.

Item 3.0 – Boston 2028 Solution Alternatives for Time Sensitive Needs

Ms. Eva Mailhot (ISO-NE) provided an overview of the Boston 2028 Solution Alternatives for Time Sensitive Needs.

There were no questions from the committee on this topic.

Item 4.0 – Draft Request for Proposal Template and Cost Review Process

Mr. Brent Oberlin (ISO-NE) provided an overview of the Draft Request for Proposal Template and Cost Review Process.

Q – What information will be made available to stakeholders in Phase One?

A – The high level screening will be the initial trigger. If they can't meet the project needs, we will bring that to the PAC to let stakeholders know why the proposal was removed from consideration.

Q – How should questions on the worksheet be addressed?

A – There is an instruction worksheet provided. Additional questions can be sent to PACMatters@iso-ne.com. Perhaps ISO will consider having a WebEx on the worksheets.

Q - Will the backstop solution go through the same level of analysis as a competitive solution submission?

A – It will.

Q - Will the competitive submissions and backstop deadlines be the same?

A – They will have the same submission deadlines.

Q - Will there be an opportunity to provide feedback on the worksheets?

A – Yes, comments and feedback will be due by July 10.

Item 5.0 – Upper Maine 2029 Needs Assessment Details

Mr. Alex Rost (ISO-NE) provided an overview of the Upper Maine 2029 Needs Assessment Details.

Q – Does the split between Upper Maine and Lower Maine necessitate a new interface?

A - It does not. This decision is driven by the new NECEC transmission line and where needs may occur in the Upper Maine area.

Item 6.0 – Regional System Plan Transmission Projects and Asset Conditions – June 2019 Update

Ms. Eva Mailhot (ISO-NE) provided an overview of the June 2019 Update to the Regional System Plan Transmission Projects and Asset Conditions.

There were no questions from the committee on this topic.

Item 7.0 – Representative Future Locational Reserves Needs for Current Reserve Zones

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

Q - Regarding the load variables, you only consider weekday. We've had a lot of issues on the weekends. Why wasn't that considered?

A – We only consider weekday for the Forward Reserve requirements. We can discuss this further at the June 20th PSPC meeting.

Comment – The revenue expected from the reserve products do not align with what was assumed by Market Development for FCM cost recovery.

Planning Advisory Committee meeting adjourned at 2:20 PM

Respectively submitted

Marc Lyons
Secretary, Planning Advisory Committee