

**Planning Advisory Committee  
Doubletree Hotel – Westborough, MA  
August 8, 2019**

Barry Ahern	New England Power
Bob Andrew	Eversource Energy
Kate Bashford Epsen	ISO New England Inc.
Denis Bergeron	Maine PUC
Peter Bernard	ISO New England Inc.
David Burnham	Eversource Energy
Erin Camp	Synapse Economics
Dorothy Capra	NESCOE
John Case	Eversource Energy
Digaunto Chatterjee	Eversource Energy
Ray Coxe	Mosaic Energy Insights for Brookfield
Ben D'Antonio	NESCOE
Liz Delaney	Environmental Defense Fund
Michael Drzewianowski	ISO New England Inc.
Frank Etori	VELCO
Jeff Fenn	Emera Maine
Kevin Flynn	ISO New England Inc.
Brian Forshaw	CMEEC
Bill Fowler	Exelon
Steve Garwood	New Hampshire Transmission
Anne George	ISO New England Inc.
Jeff Iafrati	Customized Energy Solutions
Eric Johnson	ISO New England Inc.
Tom Kaslow	FirstLight Energy
Forrest Kugell	Avangrid
Kaushal Kumar	ISO New England Inc.
Michael Kuser	RTO Insider
Steve Letendre	Synapse Economics
Paul Lopes	Massachusetts DCAM
Marc Lyons	ISO New England Inc.
Eva Mailhot	ISO New England Inc.
Al McBride	ISO New England Inc.
Bruce McKinnon	South Hadley Electric CoOp/Norwood Municipal
Shaun Morin	Eversource Energy
Susan Muller	Boreas Renewables
Brent Oberlin	ISO New England Inc.
Theodore Paradise	Anbaric
Dan Pierpont	CPV Towantic
Andrew Rawat	New England Power
Eric Rodriguez	NextEra Energy
Carissa Sedlacek	ISO New England Inc.
Patricio Silva	ISO New England Inc.

Steve Smith	New England Power
Jason Staric	Eversource Energy
Bob Stein	HQUS/PSEG/NRG/Footprint
Brad Swalwell	Tangent Energy
Brian Thompson	MMWEC
Pradip Vijayan	ISO New England Inc.
Carol Wendel	ISO New England Inc.
Lawrence Willick	LS Power

### **Item 1.0 – Chairs Remarks**

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

### **Item 2.0 – Boston 2028 Solution Study and Needs Assessment Update**

Mr. Pradip Vijayan (ISO-NE) reviewed the Boston 2028 Solution Study and Needs Assessment Update.

*Q - Regarding light load studies, is it a fixed MW load level that is being used? We should reconsider that methodology because the light loads are changing.*

A – It is and we’ve been using fixed light loads for a few years. ISO is discussing if we should revisit fixed light loads for studies going forward.

*Q – Will the non-time sensitive dynamic reactive device be included in the upcoming Boston RFP?*

A – It will be along with all of the other non-time sensitive needs.

*Comment – ISO should consider creating a stand-alone RFP just for the dynamic reactive device needs.*

*Q - Many of the substations that have been referenced have no room to add a dynamic reactive device. Would ISO consider allowing another location for the reactive device but could tap into the existing affected line?*

A – ISO will take that back for discussion.

*Q - What load forecast was used for this study?*

A - The draft 2019 CELT forecast.

*Q - Why was the 80 MW NYPA contract not included in the NY to New England AC ties?*

A – The contract will be expired by 2028 so it was not included in the study plus the 80 MWs will have little to no impact for the Boston area.

*Comment – I do not believe the existing equipment can handle 1.1 p.u.*

### **Item 3.0 – Regional System Plan 19 (RSP 19) Stakeholder Comment Review**

Ms. Carissa Sedlacek (ISO-NE) reviewed the stakeholder comments and ISO responses to the Draft RSP 19.

*Comment – CLF intends to submit additional written comments regarding variable resources and fuel constraints.*

*Comment – NESCOE stated that the MC is working on long term market based fuel security and they do not believe that firm gas contracts are part of that discussion. As such, comments regarding firm gas contracts should not be part of the RSP.*

*Comment – First Light asked ISO to add language to state “additional energy storage” on page 122.*

*Comment – CLF stated that the RSP has a lot of backward looking events but the RSP should be a 10 year looking forward document for the region.*

*Comment – It was requested that ISO place more emphasis on winter pipeline constraints and differentiate potential summer pipeline constraints.*

*Comment – Add imports to bar chart 7.1.*

*Comment – A stakeholder asked ISO to add a graph that shows potential future imports. This will be followed up with a detailed e-mail to PAC Matters to better clarify the request.*

*Comment – NESCOE requests that in comment 73, the governor’s language was carefully negotiated and if it is in the RSP, it should be quoted verbatim not summarized as the intent could be changed with a revision or omission of a few words.*

Any addition comments should be sent to the pacmatters email as soon as possible. The Public Meeting will be September 12<sup>th</sup> at the Weston Hotel in Copley Place. Registration is open now.

#### **Item 4.0 – VELCO Sand Bar Asset Conditions and Solutions**

Mr. Frank Etori (VELCO) provided an overview of the Sand Bar Substation Asset Conditions and Solutions.

There were no questions from the committee on this topic.

#### **Item 5.0 – VELCO Berlin VT Substation Asset Conditions**

Mr. Frank Etori (VELCO) provided an overview of the Berlin Substation Asset Conditions.

*Q - Have you included automation or smart grid technology to potentially reduce consumer costs?*

*A – VELCO shares the SCADA data with several entities. Automation also includes auto-reclosers on the breakers as well as high speed protection systems.*

#### **Item 6.0 – Eversource 110/510 & 110/511 115 kV Cable HPFF Refurbishment**

Mr. John Case (Eversource Energy) provided an overview of the Eversource 110/510 & 110/511 115 kV Cable HPFF Refurbishment.

*Q -Does the oil contain PCBs?*

A - It does not.

*Q – Is review and replacement of pipe type cable a national effort?*

A – It is being discussed as a nationwide effort with the larger transmission providers. Eversource is currently reviewing all of our pipe type cable to determine if upgrades or replacements are needed.

**Item 7.0 – Eversource 345 kV Structure Replacement**

Mr. John Case (Eversource Energy) provided an overview of the Eversource 345 kV Structure Replacement.

There were no questions from the committee on this topic.

**Item 8.0 – 2019 Economic Studies Detailed Assumptions**

Mr. Peter Wong and Mr. Patrick Boughan (ISO-NE) reviewed the detailed assumptions that will be used in the 2019 Economic Studies.

*Q – Can ISO explore connecting the off-shore wind close to the Hub as a direct line versus shore based interconnections and then upgrading or expanding the various transmission lines paths to the load pockets.*

A – ISO will take that back for discussion.

*Comment – Could ISO look at other interconnection points that are spread out over a wider geographical area where you are not overloading a narrow transmission area (lower SEMA/RI) with multiple nearby injection points.*

Planning Advisory Committee meeting adjourned at 4:10 PM

Respectively submitted

Marc Lyons  
Secretary, Planning Advisory Committee