

**Planning Advisory Committee
Doubletree Hotel, Milford, MA
March 21, 2013**

Syed Ahmed	National Grid
Mark Babula	ISO New England Inc.
Christina Belew	Massachusetts AG
Chris Bernard	Northeast Utilities Service Company
Curt Beveridge	Central Maine Power Company
Robert Bibbo	Normandeau Associates
Cal Bowie	Northeast Utilities Service Company
Dorothy Capra	NESCOE
Wayne Coste	ISO New England Inc.
Greg Cunningham	Conservation Law Foundation
Fernando DaSilva	NextEra Energy Resources
Dave Ehrlich	ISO New England Inc.
Frank Ettori	Vermont Electric Company
Jeff Fenn	Bangor Hydro Electric Company
Don Gates	ISO New England Inc.
Haifeng Ge	ISO New England Inc.
Mike Henry	Environmental Northeast
James Hyland	Massachusetts Municipal Wholesale Electric Company
Sarah Jackson	Synapse
Eric Jacobi	Connecticut DEEP
Bill Killgoar	Long Island Power Authority
Rich Kowalski	ISO New England Inc.
Abby Krich	Boreas Renewables
Marc Lyons	ISO New England Inc.
Bruce McKinnon	Connecticut Municipal Electric Energy Cooperative
Tim Morrissey	Dominion Energy Marketing
Jennifer Murphy	Massachusetts Department of Public Utilities
Brent Oberlin	ISO New England Inc.
Rose Ann Pelletier	Massachusetts Department of Public Utilities
Richard Pinto	United Illuminating Company
Fred Plett	Massachusetts AG
Rick Rodrigue	Connecticut DEEP
Jose Rotger	Cross Sound Cable Company
Eric Runge	Day Pitney
Lou Sahlou	Massachusetts Department of Public Utilities
Zach Samuels	Northeast Utilities Service Company
Juan Sanchez	New England Power Company
Patricio Silva	ISO New England Inc.
Ghassan Simaan	Northeast Utilities Service Company
Allison Smith	NESCOE
Joe Staszowski	Northeast Utilities Service Company
Robert Stein	HQUS
Veronica Szczerkowski	Connecticut DEEP
Matt Valle	New Hampshire Transmission
Sharon Webber	PPL Energy Plus
Carol Wendel	ISO New England Inc.
Eric Wilkinson	ISO New England Inc.
Eric Winkler	ISO New England Inc.

Item 1 – Agenda/Administrative

Mr. Don Gates welcomed the committee and reviewed the day's agenda. Mr. Gates reiterated the protocols for the new dial in procedure for CEII verification and requested that the people dialing in clearly and slowly state their names and provide their dial in phone numbers.

The January and February 2013 PAC minutes are posted and available for review. Please send comments on the minutes to Marc Lyons at ISO.

Questions/Comments (PAC in Italics, presenter in Roman)**Item 2 – Final Draft Energy Efficiency Forecast 2016-2022**

Mr. Dave Ehrlich (ISO) and Mr. Eric Winkler (ISO) provided an overview of the Final 2013 Energy Efficiency Forecast for 2016-2022.

Q – On slide 12, what are production costs?

A – How many MWs or GWs of energy efficiency you can get per dollar spent.

Q – Have you seen any program administrators target peak as part of their energy efficiency goals?

A – Not specifically, but that's a discussion we need to have with them going forward.

Q – Will you account for RGGI reforms in future forecasts?

A – Yes, we will account for that as appropriate based on information provided from the various states.

Q – To what part are Demand Response and/or Distributed Generation included in the EE Forecast?

A – Those items are not included as part of the EE Forecast.

Other clarifying questions on the various values and graphs within the presentation were asked and responded to by Mr. Ehrlich and Mr. Winkler.

Item 3 – RSP 13 Project List

Mr. Brent Oberlin (ISO) provided an overview of the RSP 13 Project List.

Mr. Oberlin asked the group if there was a real need to maintain development of the graphical slides within the RSP Project presentation. He stated that due to the additional data requirements within the spreadsheet it makes it difficult to automate the process that assist in the graph development. As such, it takes weeks to manually develop the graphical slides. If there is no real need for the graphs he would like to eliminate them. Committee members can send comments on this to the PAC Matters e-mail address or to Mr. Oberlin directly.

Comment – It was requested that the Cost Estimate Comparisons of Reliability Project slide and the Cumulative Investment slide be retained.

Q – Regarding the TCA Approval column in the spreadsheet, in addition to yes/no could ISO include the dollar value that it was approved for?

A – We will look into that.

Q – Regarding the spreadsheet, in the “Cancelled” column, is there a way to differentiate a truly cancelled project from a renumbering of a project?

A – Attachment K provides limited options for what can be annotated in this column, but perhaps we can add footnotes to highlight the differentiation.

Other clarifying questions were asked and responded to by Mr. Oberlin.

Item 4 – EIPC Gas/Electric Interdependency Study

Mr. Mark Babula (ISO) provided an overview of the Eastern Interconnection Planning Collaborative (EIPC) Multi Region Gas Study.

Q – Regarding slide 6, is the Gas Study Scope of Work publically available?

A- Once the Scope of Work is completed, it will be posted on the EIPC site located at www.eipconline.com.

Q – Will this study be referencing and using the results of the EIPC Phase I and II studies?

A – To some extent, yes. The multi-region Gas Study will be using applicable EIPC Phase I and II results and conclusions in addition to many other data sources which will include the applicable ISO/RTO Regional System Plans (RSP).

Item 5 – Wind Constrained Areas

Mr. Rich Kowalski (ISO) provided an overview of Wind Development in Constrained Areas.

Q – Have you consulted with other regions with heavy wind penetration and how have they mitigated these issues outlined on slide 3?

A – We do consult with other areas on the wind related challenges. They are experiencing the some of the same issues we are.

Q – Is this a modeling problem or an operational issue?

A – All of the above.

Q – Pertaining to discussions regarding increasing the study standards and Minimum Interconnection Standards that ISO uses, wouldn't that have to apply for all generating resources versus just targeting the issues surrounding wind generators?

A – Yes and we are considering strengthening the study standards and criteria for all resources that will identify potential problems well in advance of the construction and operations of these resources. We request comments and suggestions on this topic be sent to Rich Kowalski at ISO.

Other clarifying questions were asked and responded to by Mr. Kowalski.

Item 6 – GridView Results of 2011 Economic Analysis

Mr. Haifeng Ge (ISO) provided an overview of the GridView Results of 2011 Economic Analysis. Mr. Ge provided project background, an executive summary, additional cases studied, and results and observations.

The GridView analysis was intended to expand on the simplified IREMM analysis performed for the 2011 Economic Study which looked at the potential benefits of installing wind in various

locations across New England. GridView was considered more appropriate to investigate small pockets of generation and reflect the transmission constraints at a granular level. This additional granularity was expected to be important to better understand the economic metrics and quantify the bottleneck in energy. Mr. Ge described several scenarios that expanded the detail modeling of 115 kV lines in the Central Maine Power Company subareas as well as including contingencies in Wyman Bigelow and Rumford subareas. As expected, this was able to better represent curtailment of wind generation in these areas.

Q - Does the GridView study look at stability or thermal constraints?

A - Thermal constraints.

Several clarifying questions were asked and responded to by Mr. Ge and Mr. Wayne Coste (ISO).

Meeting Adjourned at 3:30 PM

Respectfully Submitted

Marc Lyons
Secretary, Planning Advisory Committee