

**Planning Advisory Committee
Doubletree Hotel, Milford, MA
November 18, 2014**

Sonny Anand	New England Power Company
Bob Andrew	Northeast Utilities Service Company
Christina Belew	Massachusetts Attorney General Office
Carl Benker	Northeast Utilities Service Company
Brad Bentley	Northeast Utilities Service Company
Denis Bergeron	Maine Public Utilities Commission
Peter Bernard	ISO New England Inc.
Roger Borghesani	The Electric Consortium
Cal Bowie	Northeast Utilities Service Company
Jon Breard	ISO New England Inc.
John Case	Northeast Utilities Service Company
Mark Cifone	NEER
Greg Cunningham	Conservation Law Foundation
Ray Coxe	Mosaic Energy for Brookfield
Stacy Dimou	Emera Maine
Frank Ettori	Vermont Electric Company
Jeff Fenn	Emera Maine
Steve Fontaine	ISO New England Inc.
Bill Fowler	Exelon
Michelle Gardner	NEER
Steve Garwood	New Hampshire Transmission
Don Gates	ISO New England Inc.
Mike Giaimo	ISO New England Inc.
Brian Hayduk	New England Power Company
James Hyland	Massachusetts Municipal Wholesale Electric Company
Tom Kaslow	GDF Suez
Steve Kirk	Exelon
Andrew Kniska	ISO New England Inc.
Shawn Konary	GenOn Energy
Boris Koropey	New Hampshire Public Utilities Commission
Kasia Kulbacka	New England Power Company
Robin LaFayette	ISO new England Inc.
Marc Lyons	ISO New England Inc.
Dave Mahl	ECI
Jack Martin	New England Power Company
Tim Martin	New England Power Company
Frank McGovern	ECI
Bruce McKinnon	CMEEC
Mary Menino	Massachusetts Department of Public Utilities
Jennifer Murphy	Massachusetts Department of Public Utilities
Margret Neves	Power Engineers
Brent Oberlin	ISO New England Inc.
Theodore Paradise	ISO New England Inc.
Paul Peterson	Synapse
Rich Pinto	United Illuminating Company
Hantz Presume	Vermont Electric Company
Cleveland Richards	Vermont Electric Power Company
Jose Rotger	Cross Sound Cable Company
Steve Rourke	ISO New England Inc.
Eric Runge	Day Pitney

Robert Russo	Northeast Utilities Service Company
Abimael Santana	ISO New England Inc.
Subhadarshi Sarkar	New England Power Company
Carol Sedewitz	New England Power Company
Patricio Silva	ISO New England Inc.
Kannan Sreenivasachar	ISO New England Inc.
Joe Staszowski	Northeast Utilities Service Company
Bob Stein	HQUS
Matt Valle	New Hampshire Transmission
Pradip Vijayan	ISO New England Inc.
Helen Wang	ISO New England Inc.

Item 1 – Chair’s Remarks

Mr. Don Gates welcomed the committee and reviewed the day’s agenda. Mr. Gates advised the committee of the inclement weather policy for the winter of 2014/2015.

Item 2 – Connecticut 2022 Minimum Load Analysis

Ms. Helen Wang (ISO) provided an overview of the Connecticut 2022 Minimum Load Analysis.

Q – Why are you targeting the year 2022?

A – It is the same year as the GHCC and SWCT preferred solutions.

Q – Did you consider what an export to NY would do to address over voltages?

A – We did an analysis and the wattage profile would improve.

Q – Did you have the CSC VAR absorbing capability modeled in the assumptions?

A – Yes, that was fully modeled as part of our assumptions.

Item 3 – SEMA/RI Needs Assessment and Critical Load Levels

Mr. Kannan Sreenivasachar (ISO) provided an overview of the SEMA/RI Needs Assessment Critical Load Levels.

Q – What does it mean the “year of need prior to 2015”?

A - That is without Brayton Point in the model.

Q – Have you run a scenario that would look at SEMA/RI with potential new resources in the area that cleared in the upcoming FCA?

A – No, we have not. However if a significant new resource, or resources in the area clear in the coming FCA, we will rerun the study.

Item 4 – Greater Boston Solution Alternatives Consultant Report

Mr. Andrew Kniska (ISO) provided an overview of the Greater Boston Solutions Study.

Q – In regards to the 5 substation that needed to be upgraded to BPS, are they all 115 kV?

A – The substations are on the last page of the presentation and they are all 115 kV.

Q – In regards to the Maxis’/Coopers Mills reactive device. What is the issue there?

A – As part of our EC system testing, we found some separation in that part of the Maine area. As such a reactive device installed at Maxis’/Coopers Mills would resolve the issue.

Mr. Frank McGovern (ECI) provided an overview of the ECI Greater Boston Cost Estimates presentation.

Q – With the high level, conceptual analysis performed on the project review, how confident are you that the costs meet the -25% +50% criteria?

A – We are very confident that our projected costs are within the -25% and +50% cost criteria.

Q - What was the quality information provided from the different entities that allowed you to develop the cost estimates?

A – We will defer to the ISO on this question.

A – (ISO) That information was redacted.

Q – What was the level of contingency used in the Base Cost?

A – We built in a 5% contingency cost.

Q – Will you explain the delta between your cost estimates and the other TO cost estimates?

A – We will do that as best we can.

Comment – Perhaps we should modify PP4 so there is consistency on the information provided to ISO.

Q – Can you provide the specific areas of the 230 kV and 115 kV line relocation on the Scobie-Tewksbury line?

A – We based our findings on the line diagrams provided to us but we will take that back for review.

Q - Were you given the land route for the HVDC project?

A – Yes we were.

Comment – NHT stated that the cost estimate that ECI has was an average of the three bids obtained for the converter station. NHT stated that they would accept the lower cost bid for the converter station which reduces the project costs by several million dollars.

Q - Will the work at the Mystic Station include installation of 345 kV breakers?

A – We will look into that question.

Several additional clarifying questions were asked and responded to by Mr. McGovern and his ECI associates.

Mr. Kniska (ISO) continued his overview of the comparison between ECI and the TO’s for the cost estimates for the major unique components of both the AC and HVDC plans.

Q – Did the TO estimates include the costs of permitting and right of way while the ECI cost estimates did not include those two items?

A – Yes.

Comment – It is unexpected then that the ECI cost estimates generally exceed the TO cost estimates.

Comment – Can the ISO do a sanity check on the cost estimates compared to some historical costs for other projects performed in the region such as, reconductoring costs this much, new 345 kV lines cost this much, bifurcating lines cost this much, etc...

Item 5 – EIPC Gas/Electric Update

Mr. Mark Babula (ISO) provided an overview and update EIPC Gas/Electric project.

There were no questions from the committee on the EIPC update.

Mr. Babula then provided an overview and update regarding the EIPC Target 4 report.

Q - Does “firm transportation” refer to long term capacity contracts?

A - Yes.

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

Planning Advisory Committee meeting adjourned at 2:40 PM

Respectively submitted

Marc Lyons
Secretary, Planning Advisory Committee