

NYSRC Installed Capacity Subcommittee

Meeting #135b: Conference Call

May 9th, 2012

3:30 p.m. – 4:30 p.m.

Meeting Minutes

Attendees

	Present	Tel
Members / Alternates:		
Mr. Curt Dahl (LIPA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Yuri Fishman (LIPA)	<input type="checkbox"/>	<input type="checkbox"/>
Ms. Kathune Zannat (LIPA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ms. Erin Plasse (CHG&E).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Rich Wright (CHG&E).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Kelvin Chu (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Gregory Chu (Con Edison), Secretary	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Syed Ahmed (National Grid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Bart Franey (National Grid).....	<input type="checkbox"/>	<input type="checkbox"/>
Mrs. Patricia Caletka (NYSEG-RGE)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Edward Gilroy (NYSEG-RGE)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Steve Jeremko (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Robert Boyle (NYPA) , Chairman	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Andrea Fossa (NYPA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Bradley Kranz (NRG Energy, Inc.).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Chris LaRoe (IPPNY).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Younger (Slater Consulting - Generation Owners)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Mark Cordeiro (Municipal Power Agency).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Michael Mager (Couch White, LLP), EC Chairman	<input type="checkbox"/>	<input type="checkbox"/>
Advisers/Non-member Participants:		
Mr. John Adams (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Peter Carney (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Frank Ciani (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Mr. Dave Lawrence (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Greg Drake (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Bill Lamanna (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mrs. Kathy Whitaker (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Ms. Mariann Wilczek (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Ms. Erin Hogan (NYSERDA)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Ed Schrom (NYPSC)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Glenn Haringa (GE Energy).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Al Adamson (Consultant).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Frank Vitale (Consultant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Arthur Maniaci (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Yannick Vennes (HQ).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Scott Leuthauser (Consultant for H.Q. Services)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Henry Chao (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Howard Tarler (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Wes Yeomans (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Paul Gioia (NYSRC)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Dana Walters (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ms. Donna Pratt (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. David Allen (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>

Guests Present:

Mr. Charlie Shafer (AES)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Dean Ellis (Dynergy).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Jim D'andrea (Transcanada)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Alan Ackerman (Customized Energy Solutions).....	<input type="checkbox"/>	<input type="checkbox"/>
Dr. Roy Shanker	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Phil Fedora (NPCC).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Arvind Jaggi (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Frank Francis (Brookfield).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Tom Patrit (EPS)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Ruben Brown (The E Cubed Co.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. John Dalwin.....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Richard Quimby.....	<input type="checkbox"/>	<input type="checkbox"/>

Mr. Randy Wyett (NYISO).....

Mr. John Dowling (Luthin Associates).....

Mr. Glenn Haake (Haake Energy Consulting LLC).....

Mr. Matt Renninger (Energy Curtailment Specialist)

Ms. Kathy Slusher (SUNY)

1. Memo Report to the Reliability Council on Load Shape Selection Criteria

Chairman Bob Boyle (NYPA) started the meeting by stating that he had an email conversation with Curt Dahl (LIPA) and Syed Ahmed (National Grid). Mr. Dahl was concerned that the locational factor of NYC and Long Island was not considered in this study. Chairman Boyle further said that the report did not address the significant change in the sensitivity case due to misalignment in the external areas. Mr. Dahl previously would like to see the effect when the external area loads are lined up with last year's base case. Frank Vitale (NYSRC) reminded that the internal and external load for the chosen shape year must be lined up, which the report did not state explicitly that this will be done.

Arthur Maniaci (NYISO) responded that the NYISO did use the same year for both internal and external load. 2007 external and internal loads were lined up.

Al Adamson (NYSRC) had a lot of editorial comments on the report. He will send the comments to Mr. Maniaci for incorporation. Also, Mr. Adamson stated that a run needs to be performed with the new shape on the 2012 base case PRIOR to the ICS recommendation to the Executive Committee.

Gregory Drake (NYISO) responded to Mr. Dahl's question about lining up external area load for 2012 case re-run. He stated that since the sensitivity case used a composite shape, lining up the external areas will be extremely difficult. Mr. Dahl said that if the run cannot be performed, the statement about last year's sensitivity case should be removed from the paper. Mr. Adamson said that this may still be important to be left in the report to provide background for the reason a new load shape is being studied. Mr. Ahmed stated that if 13.7% was stated in

the IRM report, it needs to be clarified but not removed. In the end, the value will remain but this section will be reworded.

Chairman Boyle recommended that he would present the report to the EC, but would not make the recommendation for a shape. Mr. Dahl responded that a shape needs to be determined in the June time frame for inclusion in the base case due in July.

Chairman Boyle said that if we don't use a conservative shape we would need to determine different criteria to choose a replacement shape, whether it is "average" or "typical". If we choose to use 2007 shape, we need to perform a MARS run before recommending the year to the EC.

Mr. Adamson agreed with the recommendation of the report, which points to 2007 as the typical shape. He performed a separate analysis and found that for a typical year, there's on average 10 days above 90% and 5 days above 95%. This is exhibited by the 2007 load shape.

Mr. Ahmed asked about the neighboring pool. New England used 2006 shape. PJM is not known. Scott Leuthauser (HQUS) states that NPCC used 2002.

Mr. Adamson said that Michael Mager (EC Chairman) mentioned that if the ICS presents more than 1 shape, for example a year that behaves less conservative than 2002 shape but more conservative than the 2007 shape, the EC would take them into consideration.

When asked for a recommended year whose behavior is between 2007 and 2002, Mr. Maniaci turned to figure 3 of the report, pg 5. He stated that the 2000 shape could be another candidate for evaluation based on the results of the report. He mentioned that the ICS should provide the recommended shape prior to MARS runs. Chairman Boyle said that we would need to see the delta on the IRM with the new shape before we can provide any recommendation. When asked about running the 2007 shape on the 2012 basecase, Mr. Drake mentioned that creating the shape and running the model can be done quickly, but the results of the run need to be internally reviewed.

ICS members supported in the end to run the MARS model with 2007 shape and evaluate the IRM changes, PRIOR to recommending the shape to the EC. The NYISO will return with a revised report including all the comments (needed by Friday 5/11) and adding a section that considers the important localities (NYC and LI).

2. EFORd/APA Methodology Validation Status

Chairman Boyle asked about the differences between the code and the hand calculations stated in the report. Mr. Drake said that the differences are minor. He stated that the paragraph was reworded. Mr. Dahl asked if Dr. Singh is changing his calculation or is the code being modified. Mr. Drake said that both are working on an agreement on shadowing events, and Dr. Singh is redoing his calculation using time weighted average values. Mr. Dahl asked if the results would match exactly. Mr. Drake thinks the end results might be slightly different. Mr. Dahl said that if the events are treated the same in both the hand calculation and the code, the answer should be the same.

Chairman Boyle said that we don't have a completed validation process and we can't recommend the inclusion of this methodology in the IRM study. Mr. Dahl recapped the history of this effort and mentioned that Mr. Drake's recent preliminary result showed a promising and reasonable 0.5% IRM change with the new methodology. He further stated that the EC is looking to implement this new methodology this year.

Mr. Adamson disagreed with Mr. Ahmed's recommendation of submitting this version of the report to the EC. Mr. Dahl suggested that the ICS should inform the EC that the ICS has received a draft report on the methodology and the validation process is ongoing, with differences between Dr. Singh and Mr. Fluegge results being reconciled. The ICS will provide a recommendation on the methodology when the final report is available and the IRM impact of the shape can be seen from the MARS run.

Secretary Gregory Chu (Con Edison) mentioned that a conference call took place prior to this meeting, where all parties (the NYISO, Mr. Fluegge, Dr. Singh, and Dr. Chu) discussed the differences and agreed upon the proper treatment of events in the calculations (both hand and code). Mr. Chu agreed with Chairman Boyle that presenting the interim report to the EC at this stage will be premature, but an update is appropriate due to the significant progress made by all parties to reconcile the differences.

Mr. Chu also mentioned that the NYISO typically employs a 3rd party code validation for all new software before the code is adopted for use. He recommended performing the same treatment on the Fluegge code, since while we have full confidence in the methodology, due to the complexity of events for all units in the system, we are concerned that the code may not be able to account for all the possibilities for every single type of unit. The code may be able to produce identical results for a number of units (or 3 in this case) when compared to the hand calculation, we do not know if the code will run into trouble for the remaining units whose events can be far more complex.

Mr. Drake said that the formal NYISO validation will not be applied to the Fluegge Code since the validation is typically needed for market program codes that contain sensitive information. He mentioned that the NYISO has the same concern, and the NYISO would like, moving forward, to perform hand calculations on a group of sampled units and compare that with the code's output. Mr. Chu asked if this comparison can be shared, Mr. Drake said the aggregated result comparison can be provided.

Chairman Boyle will verbally update the EC on the status of the methodology. He will mention that a status report has been circulated for ICS members and there's continuing forward progress in both validation and implementation of the code. The NYISO will perform a MARS with the final form of the code and the IRM impact will be evaluated. A final report and a formal ICS recommendation will be presented to the EC shortly.

Secretary: Gregory Chu

(Con Edison)

Next meetings:

Meeting 136, Tuesday, May 29th at NYISO HQ

Meeting 137, Wednesday, June 27th at NYISO HQ

Meeting 138, Wednesday, August 1st at NYISO HQ

Meeting 139, Wednesday, September 5th at NYISO HQ

Meeting 140, Wednesday, October 3rd at NYISO HQ

Meeting 141, Tuesday, October 30th at NYISO HQ

Meeting 142, Tuesday, November 27th at NYISO HQ
