

Final Minutes

New York State Reliability Council

Installed Capacity Subcommittee

Meeting #189 – November 2, 2016

NYISO Corporate Center, Rensselaer NY

Attendees

Present Phone

Members / Alternates:

Rich Wright (CHG&E)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dmitriy Kiselev (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Howard Kosel (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sanderson Chery (Con Edison)	<input type="checkbox"/>	<input type="checkbox"/>
Khatune Zannat (PSEG LI).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mariann Wilczek (PSEG LI), ICS Vice Chair/Secretary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lucyna Khazanovich(PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Peter Andolena(PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yuri Fishman(PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Syed Ahmed (National Grid).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Richard Brophy (NYSEG-RGE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Tigue (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bob Boyle (NYPA), ICS Chair	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tim Lundin (NYPA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Energy Economics, LLC – Wholesale Sellers)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mark Cordeiro (PLM, Inc – Municipals & Electric Coops)	<input type="checkbox"/>	<input type="checkbox"/>
Mike Mager (Couch White – Large Consumers)	<input type="checkbox"/>	<input type="checkbox"/>

Advisers/Non-member Participants:

Al Adamson (Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Adams (Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Ricardo Galarza (PSM Consulting)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kelli Joseph (NRG).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ed Schrom (NYDPS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alan Ackerman (CES).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Norman Mah (Con Edison Solutions).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Greg Drake (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steve Lemme (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dana Walters (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Josh Boles (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frank Ciani (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Carl Patka (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brian Hodgdon (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kai Jiang (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wes Hall (GE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Amanvir Chahal (Navigant Consulting)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Introduction and Request for Additional Agenda Items

Chairman Boyle called the NYSRC Installed Subcommittee meeting to order at 10:00 a.m. on November 2, 2016. There were no additional agenda items indicated.

2. Approval of Minutes for Meeting #188

There were no corrections to the meeting minutes and were accepted by the ICS.

3. Review of Action Items List

Chairman Boyle reviewed the action item list. AI #187-1 and 188-3 will be discussed as part of the meeting agenda. Mr. Boles provided an update to items 188-1 and 188-2. He verified that the 30-minute resources were included in the data that had been provided as part of the Emergency Assistance study. He also indicated that the operations department did not take issue with that. These items will be closed. Action item #188-4 will be closed per direction from the October 14 EC meeting. The EC asked to remove sensitivities 7, 11, 10 and 10b from the study/report. There was no update to item #188-5. Mr. Younger asked for clarification if the amounts listed were separate from what state organizations would be expected to curtail due to the governor's public appeal.

4. 2017 IRM Study Issues:

4.1. Sensitivity Study Results

There was discussion from the ICS and NYISO on a new sensitivity case listed (Incorporate LI topology changes as provided on 10/28/16). The current base case (that the EC approved) does not have newer LI ratings in it. Mr. Drake and Mr. Walters provided an overview on the item. There was a rerating on the equipment that ties into the 138kV system so the export limits have changed. PSEG LI is planning on installing dynamic equipment to restore the ratings by the summer 2017. ICS members asked questions on the project as well as discussed options for the IRM study at this point. Mmes. Khazanovich and Zannat, as well as Messrs. Andolena and Fishman provided additional information on the proposed projects. The ICS members decided have the new topology case be run as a sensitivity case with a Tan 45. Mr. Drake was instructed to use the LI topology that was provided as part of the meeting material unless Mr. Fishman were to provide additional changes by the close of business today (November 2).

Chairman Boyle asked on the status of sensitivity case #9. Mr. Drake noted that there were issues with some of the modeling and the Tan 45 was running now with results in the next few days. Mr. Drake

indicated to Chairman Boyle that the remaining sensitivities would be available for the November 10th EC meeting.

4.2. Final Base Case Tan 45/IRM – ICS Approval

Mr. Drake reviewed the base case table. Mr. Younger expressed concerns with Case 6 in which the Cayuga generators were retired. He noted that the units were recently sold and the retirement was doubtful. Mr. Hodgdon provided the deactivation notice guidelines and Mr. Patka indicated that Cayuga had not rescinded that notice. Mr. Younger noted that the unit has an RSSA that ends on July 1, 2017 and would not be out by June 1 which is the date that had been used to determine if a unit is in the base case or not. Mr. Walters noted that he could not find a reference in Policy 5 to June 1. Chairman Boyle noted that if it is not there it was taken out in error as it was a long standing practice and the language needed to be reinserted(AI#189-1). He asked the NYISO to run a Tan 45 after Case 5 where the Cayuga units are still operating. Chairman Boyle indicated the priority for the EC meeting. The Base Case needs a Tan 45 and the sensitivity case with the reduced LI ratings needs a Tan 45. He did not think sensitivity #9 needed a Tan 45 but the study needed to be completed. Mr. Adamson indicated that these would not be in the draft IRM report.

4.3. IRM Report Initial Draft

Mr. Adamson noted three changes that were made in the report. The first was to include the new wind shape model that allowed for multiple years of wind data. The second was the five zone model to represent PJM. The last item was the status of the emergency assistance study being undertaken. Mr. Adamson asked for comments to be sent to him by Friday, November 4th.

4.4. Quality Assurance Review Findings

Mr. Drake indicated that the NYISO received a report from GE, however, it can't be shared since specific units are noted. This will be provided as a summary in the Appendix. Mr. Ciani indicated that the preliminary basecase database had just been sent to Con Edison and PSEG-LI for their review on the NYISO model. They will receive the final base case once GE completes their review.

5. Emergency Assistance Model

5.1. Relationship between LOLE Events and % Peak Load(AI#187-1)

Mr. Drake indicated there was no update as of yet.

5.2. Next Steps – Proposed Study Scope (AI#188-3)

Mr. Adamson provided a proposed study scope for continuation of the EA study into 2017. The analysis would look at previous MARs studies and determine the LFU bins that are likely to have countable loss-of-load events. These LFU bins determine the % peak load-LOLE relationship. From this relationship, determine the peak hours, as a % of the forecasted peak load, above which there is an LOLE impact. Retain only surplus reserve data for days above this % peak and plot surplus MW vs % peak curve. From this data and curve develop options for coming up with an EA MW limit. Mr. Adamson indicated that Mr. Adams will work with the NYISO staff on developing this(AI#189-2). Ms. Joseph expressed concerns with looking at times outside the peak. Mr. Adams noted that there are LOLE events that occur outside of the peak. They start seeing LOLE at 92 – 95 % of peak. Mr. Kiselev agreed that there needs to be a correlation to the LOLE and not just looking at the peak time. Mr. Younger noted that it would be informative going forward to use this final base case to look at the data.

6. 2017 Assumptions Matrix Update

Mr. Drake provided an overview of changes made from the last meeting.

7. Locational Export Capacity Proposal: An Update

Mr. Boles provided a brief summary of the status of the proposal. He indicated it had been voted on at the Management Committee and had passed with a modification from the last time he presented to this group. The LE Factor for the first year would be 80/20 instead of the 52/48 originally proposed. Mr. Boles also indicated that NYISO received an appeal from IPPNY with comments due on November 8th for the Board Meeting in November with a filing to take place with FERC after that.

8. Status Reports:

8.1. External Control Area MOUs

No update was provided.

8.2. Status of Alternative Methodologies for Determining LCR

Mr. Chahal provided an update on the study. He indicated that there are no results available for presentation today but will be provided at the upcoming ICAPWG meeting. He indicated that they have been holding the IRM set through the Tan 45 process. The optimizer tool then shifts the capacity to minimize the cost of procuring that capacity. They have also run a case where the IRM is floating but there is no recommendation yet. Mr. Hall described the optimizer tool. The ICS members asked a

variety of clarifying questions. Mr. Adamson noted it would be useful to see the loss of load probabilities for the zones. Mr. Hall indicated that it would be provided. If ICS members have additional questions they should be sent to Ms. Wilczek and Chairman Boyle that will forward them to Navigant.

9. Additional Agenda Items

None were indicated.

Secretary: Mariann Wilczek (PSEG LI)

Upcoming meetings:

Conference call, Monday, November 14th (if needed)

Meeting 190, Monday, November 28th at NYISO Corporate Center