

Draft Minutes
New York State Reliability Council
Installed Capacity Subcommittee
Meeting #182 – March 29, 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Howard Kosel (Con Edison)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sanderson Chery (Con Edison)	<input type="checkbox"/>	<input checked="" 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"/>
Syed Ahmed (National Grid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bart Franey (National Grid)	<input type="checkbox"/>	<input type="checkbox"/>
Richard Brophy (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Tigue (NYSEG-RGE)	<input type="checkbox"/>	<input type="checkbox"/>
Bob Boyle (NYPA), ICS Chair	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tim Lundin (NYPA)	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
John Adams (Consultant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erin Hogan (UIU)	<input type="checkbox"/>	<input type="checkbox"/>
Kelvin Chu (GE)	<input type="checkbox"/>	<input type="checkbox"/>

Wes Hall (GE)	<input type="checkbox"/>	<input type="checkbox"/>
Ricardo Galarza (PSM Consulting)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liam Baker (US PowerGen)	<input type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kelli Joseph (NRG)	<input type="checkbox"/>	<input type="checkbox"/>
James Scheiderich (ECS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris LaRoe (Brookfield Renewables)	<input type="checkbox"/>	<input type="checkbox"/>
Greg Drake (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frank Ciani (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"/>
Nick Whitney (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steve Lemme (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Emilie Nelson (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mike Welch (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kai Jiang (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bill Lamanna (NYISO)	<input 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"/>
Vijaya Ganugula (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wes Yeomans (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
David Allen (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman (CES)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Norman Mah (Con Edison Solutions)	<input type="checkbox"/>	<input type="checkbox"/>
Matt Cinadr (E-Cubed)	<input type="checkbox"/>	<input type="checkbox"/>
Richard Gell (Ontario Power Generation)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Matt Schwall (IPPNY)	<input type="checkbox"/>	<input type="checkbox"/>

1. Introduction and Requests for Additional Agenda Items

Chairman Boyle called the NYSRC Installed Capacity Subcommittee meeting to order at 10:00 a.m. on March 29, 2016. There were no requests for additional items.

2. Approval of Minutes for Meeting #181

The meeting minutes were finalized with an edit proposed for item 4.3 by Mr. Adamson for clarification of Mr. Younger's proposal.

3. Review of Action Items List

The ICS reviewed the action item list.

AI#170-8:

Mr. Adams indicated he had begun review on the spreadsheet data of ELRs and CLRs provided by the NYISO. The preliminary assessment does not suggest that there needs to be any changes made to the model. He will provide his final assessment at the May 4th ICS meeting.

AI#180-2:

Mr. Walters noted that the NYISO was still working on the revisions.

AI#181-1.1:

Chairman Boyle noted that the NYISO has still not provided a scope for this item which was due today for discussion. Mr. Walters indicated they were very close to completion.

AI#181-2.2.1:

Mr. Drake will send out an updated scope for testing as a result of the March 2nd ICS meeting. Mr. Adamson asked for clarification that the white paper will provide a recommendation for using a 4 or 5 bubble model. Mr. Drake indicated it would. (Mr. Drake provided an updated scope on March 29th to the ICS).

AI#181-4:

Chairman Boyle thanked Mr. Adamson for the matrix and indicated that he would update the 2017 IRM study schedule and project milestones to be consistent. **(AI#182-1)**.

AI#181-5:

Mr. Boles presented a spreadsheet that will be sent out for posting after the meeting. (Was provided to the ICS on April 4th).

AI#181-9:

Mr. Boles reported the discussions with the IESO are continuing. If the discussions are finalized prior to September 1, 2016, then capacity will be qualified for the upcoming winter capability period.

4. Status of Studies, Scopes and White Papers for 2017 IRM Study

4.1. Emergency Assistance Model

Mr. Yeomans discussed the difficulty in performing an analysis. He noted that the first step is presented today as to what other Control Areas do and what has been the reliance on those areas. Chairman Boyle noted that ICS does not believe that the white paper will be delivered for the May 4th ICS meeting for incorporation into the base case which jeopardizes other studies that were relying on this study.

4.1.1. Acceptable Levels of Emergency Assistance from External Control Areas

Mr. Whitney provided an overview of the Interconnection Benefit Levels. He displayed a table of historical levels of support from PJM and ISO-NE based on their studies as well as a comparison between the three areas (PJM, ISO-NE and NYISO) with a % of benefit versus the forecasted peak load. Mr. Whitney listed the methodology used by both ISO-NE and PJM for their tie benefit calculation. ICS members expressed concerns over the comparability of the values for the three areas and their assumptions and methodology. As an example, Mr. Adamson expressed concerns over the 3,500 MW limit that PJM is using without knowing the basis for that value. Mr. Adams indicated he had some PJM documentation from the early 2000s that he would circulate to provide some insight into the PJM limit. (Mr. Adams forwarded the documents on March 29th to the ICS group). The NYISO outlined next steps where they would bring a proposal for limiting interconnection benefits in the IRM study to the June 1st ICS meeting and implement a limit for the interconnection benefits in the 2017 IRM study. Chairman Boyle indicated that June 1st is too late for presentation to the NYSRC EC to be included in the base case for the 2017 IRM study. Mr. Adamson, Mr. Younger and Mr. Ahmed agreed that the white paper would need to be distributed by May 1st. Mr. Younger noted that at a minimum this needs to be a sensitivity considering the NYISO knew about this since last year. Mr. Boles indicated the NYISO would see what could be done by May 1st. Chairman Boyle indicated he would be reporting to the NYSRC EC that the ICS did not get a scope and would not likely have a white paper in time for inclusion in the base case.

4.1.2. Evaluation of a Method of Calculating Emergency Assistance Recognizing Unavailability of Certain Resources

No discussion was provided on this item at the meeting.

4.1.3. Evaluation of an Alternate Method of Calculating Emergency Assistance by Eliminating Resource Shifting

No discussion was provided on this item at the meeting.

4.2. PJM LOLE - Minimum LOLE Value

Mr. Adams indicated that a paper summarizing the finding will be available for presentation at the May 4th ICS meeting.

4.3. PJM Model – Evaluation of a 4 vs 5 Bubble Model

Mr. Drake indicated that the white paper will be provided at the May 4th ICS meeting.

4.4. SCR Model – Proposed Revised Method for Determining Reliability

Mr. Ganugula provided an overview of the existing methodology and proposed changes to that. The proposed change is to use five years of data rather than only the prior year's data. The five year timeframe aligns with the generator availability used in the IRM studies. Mr. Younger did not think that data from non-peak hours should be included. He also noted that the methodology used in the IRM studies should be the same as used in the NYISO market studies. Mr. Younger requested that Mr. Ganugula return with more detailed data and an analysis be run without the test data as well as a comparison to scarcity pricing. Chairman Boyle noted that five years of data was a positive change and that all 8760 hours should be included as SCRs could be called for emergencies on both peak and non-peak conditions. Mr. Ganugula will return on May 4th with additional information.

4.5. Multiple Year Wind Shape Model – MARS Testing & Study Results

Mr. Whitney provided an overview of the data used in the model as well as how new wind facilities are modeled. He provided a list of resources and associated CRIS values from the 2015 Gold Book. Mr. Whitney provided a spreadsheet with the monthly average wind output for 2011- 2015. Mr. Ciani indicated that they have built the model and will be testing over the next few weeks. Mr. Drake noted that the white paper will be ready for the May 4th meeting. Mr. Ahmed asked if informal findings could be posted while the NYISO is preparing the white paper. Mr. Ciani indicated if internal approval is received the findings and summary could be released. Mr. Boles indicated there was an open Class Year which included Marble River wind facility that was being used in the data. Mr. Drake noted that the ICS will need to revisit Class Year projects on an individual basis from the open Class Year to decide if they should be included or not in the analysis. (AI #182-2, 182-3).

4.6. Special Sensitivity Case (Policy 5 Change)

Mr. Adamson reported that it was on schedule for completion of June 1st with hopes for it to be completed for the May 4th meeting.

4.7. Retirements (Policy 5 Change)

Mr. Walters indicated the material was still being reviewed internally.

5. Load Shape Modeling for 2017 IRM/LCR Studies

This item replaced the original agenda item listed which was “**Policy 5 Appendix C Revision (AI #180-2)**” and the same as item 4.7 above. Mr. Welch provided an overview of the load shape model/tool including adjustments made to match target peaks. He noted that the tool is now capable of independently handling summer and winter peak forecasts. Mr. Welch provided examples of how the non-coincident peak and coincident peak adjustments are applied to the historic load shape. Adjustments to the other control areas(PJM, ISO-NE, etc.) are made external to the tool.

6. 2017 IRM Study Assumptions Matrix – Update

Mr. Drake discussed the updates to the matrix from the last ICS meeting. Discussion centered on the units that are in the current open Class Year and the treatment in the 2017 IRM. Action Item (**AI#182-2**) was added for the open Class Year inclusion decision discussion for the May 4th ICS meeting. Mr. Drake received an action item to check on the status of Marble River and HQ request for CRIS in the current open Class Year study (**AI#182-3**). Mr. Ciani noted that MARS model version 3.20 testing was underway and no anomalies were noted thus far.

7. Status Reports:

7.1. External Control Area MOUs

There were no updates since the last meeting.

7.2. NYISO LCR Task Force

Mr. Allen noted a LCR Task Force meeting took place on March 24th to which the NYISO was developing responses to comments and questions from that meeting. Mr. Younger suggested the NYISO look at different shifting of loads instead of A, C and D. He noted this was not consistent with Policy 5 but felt it may be a small change to Policy 5 that could produce consistent results.

8. Additional Agenda Items

Mr. Younger reviewed his memo on “Capacity Shifting for Sensitivity Runs”, dated March 15th. Mr. Drake noted the NYISO did not object to these suggestions and would test a few of the sensitivities from the last IRM with this methodology.

9. New Business

Mr. Adamson expressed concerns with the amount of white papers due in the next month that need to be provided by April 27th for review prior to the May 4th meeting.

Secretary: Mariann Wilczek (PSEG LI)

Upcoming meetings:

Meeting 183, Wednesday, May 4th at NYISO Corporate Center

Meeting 184, Wednesday, June 1st at NYISO Corporate Center

Meeting 185, Wednesday, June 29th at NYISO Corporate Center

Meeting 186, Wednesday, August 3rd at NYISO Corporate Center

Meeting 187, Tuesday, August 30th at NYISO Corporate Center

Meeting 188, Wednesday, October 5th at NYISO Corporate Center

Meeting 189, Wednesday, November 2nd at NYISO Corporate Center

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