

Draft Minutes
New York State Reliability Council
Installed Capacity Subcommittee
Meeting #193 – March 1, 2017
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 checked="" type="checkbox"/>
Khatune Zannat (PSEG LI).....	<input type="checkbox"/>	<input type="checkbox"/>
Mariann Wilczek (PSEG LI) ICS Chair	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Richard Brophy (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Tighe (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bob Boyle (NYPA),.....	<input type="checkbox"/>	<input type="checkbox"/>
Tim Lundin (NYPA) ICS Vice Chair/Secretary	<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 checked="" type="checkbox"/>	<input type="checkbox"/>

Advisers/Non-member Participants:

Al Adamson (Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Adams (Consultant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ricardo Galarza (PSM Consulting)	<input type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ed Schrom (NYDPS)	<input type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman (CES).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Greg Drake (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steve Lemme (NYISO)	<input 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"/>
Zachary Stines (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jamie Barrett (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Mike Welch (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stephanie King (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Emilie Nelson (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Julia Popova (NRG).....	<input type="checkbox"/>	<input type="checkbox"/>
Kelli Joseph (NRG).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mathew Schwall (IPPNY)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lubaba Islam (PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erin Hogan (UIU)	<input type="checkbox"/>	<input type="checkbox"/>
Ben Carron (National Grid).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paul Allen (Market Monitoring Unit)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dimitri Kordoneous (UIU).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1. Introduction and Request for Additional Agenda Items

Chair Mariann Wilczek called the NYSRC Installed Capacity Subcommittee meeting to order at 10:00 a.m. on March 1, 2017. Ms. Nelson announced that the resource adequacy team headed by Mr. Drake will be moved under NYISO Market Operations beginning April 1, 2017.

2. Approval of Minutes for Meeting #192

The meeting minutes were approved with updated language to item #7 and additional language added to item 5.1 based on a recommends put forth from Ms. Joseph and others in attendance.

3. Review of Action Items List

Chair Wilczek deferred discussion of the action items to the task list discussion.

4. Review of 2017 ICS Proposed Task List

4.1 Modeling of NYISO Locality Sales – White Paper

Mr. Boles reported that the NYISO and GE are working diligently through the modelling of the sales and believe they are very close to having information in the coming weeks. Mr. Boles hopes to have GE present at the April ICS meeting, the results from GE will be used as an input into the Locality Sales white paper, the goal is to have a draft white paper by the April meeting. Mr. Adamson asked for clarification on whether the NYISO will run a sensitivity showing an impact to the IRM. Mr. Boles stated he will include something in the scope going forward. Mr. Kordoneous asked if the task force headed up by Mr. Younger would provide an impact to the IRM, Mr. Younger clarified the focus is to determine what assumptions to make for sales obligations that are already known.

4.2 Emergency Assistance Limit Analysis – White Paper

Mr. Adams provided a status update for the Emergency Assistance Model analysis. The analysis looked at how peak load, as a per unit of forecasted peak aligns with LFU bins. The MARS model can model EA limits by LFU bin and based on a discussions with NYISO, EA limits that vary by LFU bin should be developed. Based on this round of analysis, Mr. Adams felt a better approach would be to conduct analyses for each LFU bin that has data. Mr. Younger cautioned against tossing out data to get a predicted mean. Mr. Kosol asked for updates on the available capacity of the neighboring control areas. Mr. Adams explained what latent reserve data that is currently available. Mr. Kosel recommended looking at other alternatives outside of 10 minute reserves. Mr. Boles pointed out when the NYISO published EA white paper last year, reserve data is one of many indicators used in the recommendation and these details were not discussed. Mr. Adams will present a recommendation at the April meeting.

Mr. Welch from the NYISO presented an analysis on the Loss of Load data used in the ICS preliminary base case. The top three load levels had the greatest contribution to the LOLE. Ms. Joseph had a concern around the lack of reserve margin data at higher load levels from PJM and NE. She then asked how PJM and ISONE model emergency assistance given the lack of high load data. Mr. Boles stated that PJM and ISONE assume a legacy amount of emergency assistance that is very conservative, NYISO decided to go another direction. Discussion continued on the availability of reserves information from neighboring control areas. Chair Wilczek reiterated that ICS owes the EC a deliverable on this, and we need to move forward on the path we are on.

4.3 Status of Alternate Methodologies for Determining LCRs Projects

Mr. Stines provided ICS a recap of the efforts put forth to date on developing alternatives methods for LCRs. The new optimization seeks to maintain reliability using a lower cost solution. The proposed LCR methodology will utilize the final approved IRM from the NYSRC. Zach stated that the NYISOs focus will be on the LCR process and any information regarding the IRM that is

produced by the model is purely informational. Mr. Younger asked if the NYISO had a target for this year. Mr. Stines stated that the end all goal is to have a project go to a vote, what that project scope is has not been determined. Ms. Joseph asked for clarification whether the NYISO plans to evaluate other alternatives outside of the LCRs, Mr. Stines reiterated the focus for 2017 will be the LCR analysis. A concern was raised by Mr. Younger regarding the resources available to the NYISO to conduct the proper analysis, Mr. Stines stated NYISO has internal resources and GE working on this project. Mr. Mager cautioned the NYISO setting firm dates for a process without having a good idea of the methodology going forward. Mr. Younger questioned a potential transition period if a methodology was approved based on the system changes over the next four years. Mr. Stines clarified that this will be a review of the transition period concept. Mr. Mager requested the NYISO bring this presentation to the Executive Committee. Mr. Adamson questioned whether this new methodology will utilize all the ICS models. Mr. Stines clarified that NYISO is using the 2017 final base case used for LCRs incorporating slide changes. Mr. Stines will return to the April meeting with an update.

4.4 IRM Impact of additional Renewable Capacity Additions – Overview of Scope

Mr. Adamson presented the draft scope for the renewable capacity addition study. The scope outlines three levels of study. first, would include no wind or solar, the second is the preliminary project wind and solar projections for 2018, and third level would be the addition of 2,000 MWs of wind upstate and 2,000 MWs of solar downstate. Mr. Younger raised concerns with renewable level three. Mr. Drake echoed this concerned recommended breaking the third level into three separate assumptions. Mr. Mager questioned the location of the solar breakout in the scope. Mr. Drake suggested placing the solar breakout into zones where NYSERDA has collected distributed solar data. Mr. Boles reiterated that the details of each assumptions in the third level will be worked out based on available information and capability of the model. The ICS will rely on the recommendations from the NYISO on how to allocate the MWs in the model.

5.5 Review A/B/C, J/K, and 5018 lines topology for 2018 IRM Study (ICS AI #185-1)

Mr. Walters announced the retirement of Mr. Lamanna and the NYISO is working on his replacement to continue work on the topology.

5. Lessons Learned Tasks

Mr. Drake stated there is now clear expectation on quality assurance reviews and topology preparation based on the revised milestone schedule. Mr. Kiselev requested NYISO provide details into the transmission development process because of the concerns that arose last year. Mr. Drake stated the new milestone schedule should provide more clarity.

6. 2018-2019 IRM Study Assumptions Matrix

Mr. Drake presented the 2018-19 assumption matrix framework. Mr. Drake added a potential new parameter under solar resources. Solar resources that are behind the meter are currently modeled in the load forecast only, this new item would look at how distributed solar resources are incorporated in the forecast. Mr. Younger recommends a white paper before anything new is implemented. Chair Wilczek asked about the release of the Gold Book, Mr. Drake and Mr. Boles stated the final version will be published around the beginning of May.

7. Final 2017 LCRs

Mr. Drake stated the only difference between this report and the IRM was a change in the load forecast. Mr. Younger recommends the NYISO review their processes based on how the modelling of the Ramapo PAR was handled in the IRM and LCR process. Mr. Patka responded that the NYISO used the best information available at the time for making their decision.

8. Additional Agenda Items

None were indicated.

Secretary: Tim Lundin (NYPA)

Upcoming meetings:

Meeting 194, Wednesday, April 5th, 2017 at NYISO Corporate Center

Meeting 195, Wednesday, May 3rd, 2017 at NYISO Corporate Center

Meeting 196, Tuesday, May 30th, 2017 at NYISO Corporate Center

Meeting 197, Wednesday, August 2nd, 2017 at NYISO Corporate Center

Meeting 198, Tuesday, August 29th, 2017 at NYISO Corporate Center

Meeting 199, Wednesday, October 4th, 2017 at NYISO Corporate Center

Meeting 200, Wednesday, November 1st, 2017 at NYISO Corporate Center

Meeting 201, Tuesday, November 28th, 2017 at NYISO Corporate Center