

Draft Minutes
New York State Reliability Council
Installed Capacity Subcommittee
Meeting #192 – February 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 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 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 checked="" 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 checked="" type="checkbox"/>
Scott Leuthauser (HQUS).....	<input type="checkbox"/>	<input type="checkbox"/>
Kelli Joseph (NRG).....	<input checked="" type="checkbox"/>	<input 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 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"/>
Zachary Stines (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jamie Barrett (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Julia Popova (NRG).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stephanie King (NYISO)	<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 checked="" type="checkbox"/>	<input 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 February 1, 2017. There were no additional agenda items indicated.

2. Approval of Minutes for Meeting #191

The meeting minutes were approved with Mr. Drake clarifying Mr. Younger was referring to the MOU and not the JOA.

3. Review of Action Items List

The ICS reviewed the action item list. Item AI#161-5 (Alternative years for the multi-year load shape) Mr. Drake requested to drop this item from the task list and committed to coming back with a scope at a future meeting, however this is a low priority. Item AI#170-9 (IRM Study Guide) Chair Wilczek questioned who would be responsible for changes in the documents once it is complete, would like to continue to review this complete date changed to March 2017. Item AI#185-1 (a review of the topology for the A/B/C, J/K and 5018) listed on the task list for review.

Item AI#187-1 (NYISO to look at the MARS model and provide information on when the LOLE events occurred in relation to the peak) Mr. Adamson stated that this is one of the inputs into the emergency assistance model study. Mr. Younger recommends this be completed earlier than later in the process because this could determine the historic data used in the EA model. Mr. Drake will present data at the March 2017 meeting.

AI# 188-5 (The amount of public appeal in EOP is 80 MW in Zone K and 8 MW from Zone B. Mr. Younger requested the detail for determining these amounts) there has not been any new information to date. Neither RGE nor PSEG_LI had any updates. Action Item 189-2 (Develop and recommend options for coming up with an EA MW limit) was on the task list for this meeting, refer to that discussion. EC directed NYISO run a sensitivity with a Tan 45 analysis on the 2017 IRM Base Case with an increase in the amount of wind generation to the system. This item was addressed on the task list. AI # 190-1 (Tracking the development of Northeastern MOUs and its effects on our IRM study, specifically transmission interface modeling) Former Chair Boyle recommended the date be turned back to a previous year. Mr. Drake believes the ISO has responded to the previous requests and that Mr. Younger's directive #2 is the answer (directive 1 was to cut firm NYCA load 'in kind' with exports, directive 2 was that NYISO can only cut capacity exports for transmission security). Chair Wilczek stated we will use "ongoing" and will ask NYISO for an update at the next meeting.

4. 2018-19 IRM Study Schedule and Process Milestones

Chair Wilczek went through the draft 2018-19 IRM study milestone schedule. Chair Wilczek, Vice-Chair Lundin, and Mr. Adamson met with the ISO to discuss the process milestones prior to the meeting and as a result clarifying statements were added to the June, September, October, and November timeframes, no items were removed. ICS members approved the 2019-18 IRM Study Milestones which will be reviewed and approved on February 8, 2017 by the EC.

5. Review of 2017 ICS Proposed Task List

5.1 Modeling of NYISO Locality Sales – White Paper

Mr. Boles gave an update on the FERC filing, recently NYISO's proposal using the LE factor of 48/52 percent was accepted with FERC denying the phase-in LE exchange factor of 80/20, and NYISO has minor tariff edits to make to be in compliance with the order. NYISO has engaged GE to look at the LE exchange factor in a probabilistic manner compared to the deterministic approach used by the NYISO in determining the current LE exchange factor. Mr. Boles then gave a high level overview of GE's approach, this process will be vetted in the ICAP working group during the February and March time frame. From then we will have a better understanding of how this will apply in the model. Going forward Mr. Boles will post the GE presentations with the ICS meeting material. Former chair Boyle asked if GE would be applying the unified method in their analysis. Mr. Boles responded that GE plans on holding the IRM and LCRs constant for this analysis.

5.2 Emergency Assistance Limit Analysis – White Paper

Mr. Adams stated he was waiting for updated information from the NYISO regarding emergency assistance capabilities from our neighbors. Mr. Boles explained that he is concerned this would create volatility if this becomes a yearly process. This information is private and must be pulled from multiple locations so the process can be tedious to complete. Mr. Younger stated that the benefit of having this additional data will depend upon the LOLE analysis and when they occur. Former Chair Hogan pointed out that we cannot identify trends in volatility if we don't review this information. Mr. Adamson clarified that Mr. Adams and Mr. Boles were working on one project or whether there were two separate projects. Mr. Boles is focusing on the data before it is given to Mr. Adams to complete the whitepaper. Mr. Drake committed to having the information for the LOLE analysis for the March meeting before Mr. Boles begins the laborious process of pulling this data. Mr. Kosel requested clarity on the excess reserve data and what data was used in the NYISO report. Mr. Boles committed to going back and dig that data up for the next meeting along with a table containing LOLE events. Mr. Drake pointed out in the EA paper presented last year that a number of different factors that lead to the recommendation to the limit, it was not solely based on what our neighbors have available. If the working group plans to focus solely on EA and dismiss the other factors the working group needs to provide an explanation why it is excluding the other factors.

5.3 Status of Alternate Methodologies for Determining LCRs Projects

Mr. Stines of the NYISO is still reviewing the stakeholder questions submitted by the ICS on December 13, 2016. Mr. Stines is developing the answers and will include a presentation in March along with the information presented at the February ICAP working group. Chair Wilczek asked the NYISO to clarify if they will be addressing market based questions or questions ICS specifically asked. Mr. Stines will return to the March meeting with timeline to better address questions and processes going forward. Mr. Mager asked if the intention of this process is to have something to the EC to vote on this year. Mr. Stines stated at this point there is no proposal, look at this as an open investigation, no definite timeline. Mr. Younger recommends a sensitivity to see the impact of shutting down Indian Point on the IRM and LCRs. Mr. Younger believes if a full Tan 45 is conducted, the flaws in our current LCR process will be underscored. Chair Wilczek indicated that decisions on the sensitivities occur in the July and August timeframe and that this issue should be revisited at that time, when more information on the IP retirement could be known. Mr. Stines will return in March with another update.

5.4 Sensitivity to assess the impact of the IRM of a high penetration of renewable resources

Mr. Adamson provided an update on the ECs request to run a sensitivity looking at the impact of CES. The direction of the objective has changed, based on the discussion at the last EC meeting. It was determined running a sensitivity on CES at this time would be too complex. The objective now is to demonstrate the IRM based on the addition of a large amount of renewable resources. Mr. Adamson will work with Mr. Drake to have a scope for the March meeting. Ms. Joseph asked if this is how the ICS might set and study the case in the in 2018 base case for CES. Chair Wilczek clarified that the original CES objective was to see the IRM impact if the goals of CES were met. IC and EC agreed that it was too complicated to make these all the assumptions going out to that year, instead ICS and NYISO will look at a high penetration of renewable on the system which Mr. Drake and Mr. Adamson will work on a scope for the March meeting. Former Chair Hogan recommended looking at the different phases of CES to understand the levels of renewables entering the system. Mr. Adamson stated the EC directive was to look at a high penetration of renewables, without specifically modeling capacity additions in accordance with CES objectives.

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

Mr. Kosel stated this was more of a placeholder at this point. The work has been completed and next step is to review the updated topology the NYISO presents later this year.

6. 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.

7. 2018-2019 IRM Study Assumptions Matrix

Mr. Drake presented the 2018-19 assumption matrix framework. The initial data points will be filled in when the 2017 Gold Book is released in late April. Former Chair Hogan asked ICS and the NYISO to be aware of the growing community Distributed generation which has been predominantly solar. The NYISO is recommending these solar impacts be modeled as an hourly load modifier dependent upon a solar forecast. These resource would modelled the same as the 31 MWs on Long Island, these loads would be an extension of this and the capacity on an hourly basis. Former Chair Hogan recommends a new category for community DG and transmission grid connected for residential. Mr. Younger requested the NYISO return to the next meeting with how the load forecast will include behind the meter solar and the impact of that load on the IRM. For small hydro Mr. Drake recommends changing to a program that randomly selection a hydro shape of hourly production over the years 2012-2016 like is done for wind and solar. Former Chair Boyle questioned what percentage of this small hydro is run-of-river or hydro with pondage, NYISO plans to return with this data. Mr. Younger recommended the

FCM sales be changed. He states there are in fact sales into NE for 2018, ICS has not determined how to address this issue. Mr. Kiselev pointed out based on the current LE factor methodology recently approved by FERC, there is no need for ICS to model the FCM sale, and the change can be addressed on the market side. Former Chair Boyle recommend we focus on the reliability of NYs resources. Mr. Boles pointed out that ability to model this in MARS is still unknown, and until GE can confirm this we have to hold all other conversations. Previously, FCM sales have not been modeled in IRM studies. There was a discussion of whether, and if so how, FCM sales should be modeled in the IRM study.

8. Additional Agenda Items

None were indicated.

Secretary: Tim Lundin (NYPA)

Upcoming meetings:

Meeting 193, Wednesday, March 1st, 2017 at NYISO Corporate Center

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