

Draft Minutes
New York State Reliability Council
Installed Capacity Subcommittee
Meeting #197 – June 28, 2017
NYISO Corporate Center, Rensselaer NY

Attendees

	Present	Phone
Members / Alternates:		
Rich Wright (CHG&E)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ruby Chan (CHG&E)	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>
Philip Moy (PSEG LI).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paul Dibenedetto (PSEG IL)	<input type="checkbox"/>	<input type="checkbox"/>
Lubaba Islam (PSEG IL).....	<input type="checkbox"/>	<input type="checkbox"/>
Lucyna Khazanovich (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 Tigue (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" 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"/>
Ben Carron (National Grid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Clay Burns (National Grid).....	<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 checked="" type="checkbox"/>
Ed Schrom (NYDPS)	<input type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman (CES).....	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>
Brian Hodgdon (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO)	<input 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"/>
Mike Welch (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nate Gilbraith (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Max Shuler (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Emilie Nelson (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Greg Campbell (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vijaya Ganugula (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Julia Popova (NRG).....	<input type="checkbox"/>	<input type="checkbox"/>
Kelli Joseph (NRG).....	<input type="checkbox"/>	<input type="checkbox"/>
Mathew Schwall (IPPNY)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Erin Hogan (UIU)	<input type="checkbox"/>	<input type="checkbox"/>
Paul Allen (Market Monitoring Unit)	<input type="checkbox"/>	<input type="checkbox"/>
Dimitri Kordonis (UIU).....	<input type="checkbox"/>	<input type="checkbox"/>
Wes Hall (GE).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1. Introduction and Request for Additional Agenda Items

Chair Wilczek called the NYSRC Installed Capacity Subcommittee meeting to order at 10:00 a.m. on June 28, 2017.

2. Approval of Minutes for Meeting #196

The meeting minutes were approved with comments.

3. Review of Action Items List

Chair Wilczek reviewed the action item list. Item 185-1 (A review of the topology for the A/B/C, J/K, and 5018 lines, to be undertaken prior to the 2018 IRM study) was completed at the previous meeting and removed from the list. Action Item 170-9 (Develop Study Guide document) was put on hold, and Item 197-1 (NYISO to provide updates of GE's Modeling effort on the treatment of the Capacity Exports) this item was listed on ongoing.

4. Review of 2017 ICS Proposed Task List

4.1 SCR Performance

Mr. Ganugula gave an overview of the preliminary demand response values. The SCR zonal performance factors are calculated using all event hours by zone for each mandatory event from the most recent five years in which there was a mandatory event and the performance test hours which were accumulated over that five-year period. Mr. Mager asked if each year's data was weighted equally and Mr. Ganugula confirmed that is the case. Mr. Younger questioned why the NYISO did not already have the SCR numbers for July considering they should have been qualified to participate in the auction by now. Mr. Ganugula clarified that NYISO does not know how much of the SCRs were unsold. Mr. Ganugula reviewed the updated data set and the effective performance factor. Mr. Younger, Mr. Mager and Mr. Ganugula had a discussion on whether the ACL to CBL factor should still be 90% and whether the NYISO should calculate the ACL to CBL factor based on location. Emilie Nelson, Mr. Younger, and Mr. Ganugula then had a discussion on the differences between how the CBL and ACL are calculated and the history behind the performance factor. NYISO plans have final demand response numbers for the August meeting.

4.2 Load Forecasting Uncertainty models

Mr. Schuler reviewed the Load Forecast Uncertainty (LFU) models and provided the recommended bin data for the 2018 IRM study. LFU models were created for zones A-E, F&G, H&I, J, and K. Mr. Adamson recommended the NYISO edit the LFU model to reflect the fact NYISO only makes adjustments for weather uncertainty that impacts the model. Mr. Younger asked the NYISO to consider making adjustments based economic inputs in the model to improve the accuracy. Mr. Adamson then question whether the 2018 model for Zones A to E has less uncertainty than 2017 in which NYISO agreed. With all things held constant, Mr. Adamson pointed out this parameter has the largest impact on the IRM. Mr. Younger asked what was a major driver in the changes between the 2013-15 data versus the 2016. Mr. Schuler believes there are multiple variables that are impacting these models. Mr. Maniaci attributes some of these results to a reduction in energy usage and an overall change in consumer behaviors based on a limited amount of hot weather days (i.e. Timing of when air conditioning units are installed).

4.3 2018-19 IRM Study Assumptions Matrix – for ICS approval

Mr. Drake reviewed the changes to the matrix from the previous meeting. Mr. Younger, Mr. Mager, and Mr. Boles had a discussion regarding the expiration of the Cayuga RSSA contract and the protocol for the

resources going forward. Mr. Adamson requested that NYISO add the Emergency Assistance parameter to the matrix. Mr. Drake states it will be added to the External Control Areas section. Chair Wilczek asked for an updated on how the NYISO will address load for BTMNG and NYISO should have something by the August meeting. ICS members approved the preliminary assumptions matrix to be presented at the July 14th EC meeting.

5. NYISO Alternative LCR Methodologies

Mr. Stines gave an update on the alternative methodology for calculating the LCRs and revisited the questions ICS members had asked the NYISO in December 2016. Mr. Stines stated that the modeling is focused on an economic optimization and this decision is based on recommendation from Potomac Economics. Mr. Younger and Mr. Hall from GE discussed how the LOLE was being modelled and the LOLE was being treated across the zones in NY. Mr. Adamson asked about the tradeoffs between economics and reliability. He stressed that these important questions need to be answered by ICS and EC. NYISO plans to return with an update at the August ICS meeting and to present an update to the EC in August.

6. Additional Agenda Items

None were indicated.

Secretary: Tim Lundin (NYPA)

Upcoming meetings:

Meeting 198, Wednesday, August 2nd, 2017 at NYISO Corporate Center

Meeting 199, Tuesday, August 29th, 2017 at NYISO Corporate Center

Meeting 200, Wednesday, October 4th, 2017 at NYISO Corporate Center

Meeting 201, Wednesday, November 1st, 2017 at NYISO Corporate Center

Meeting 202, Tuesday, November 28th, 2017 at NYISO Corporate Center