

Draft Minutes

New York State Reliability Council - Installed Capacity Subcommittee (ICS)

Meeting #218 – April 3, 2019

NYISO Corporate Center, Rensselaer NY

Attendees

Present Phone

Members / Alternates:

Rich Wright (CHG&E)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ruby Chan (CHG&E)	<input type="checkbox"/>	<input type="checkbox"/>
Akim Faisal (CHG&E) ICS Vice Chair/Secretary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dmitriy Kiselev (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Howard Kosel (Con Edison) ICS Chair	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sanderson Chery (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Khatune Zannat (PSEG LI)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mariann Wilczek (PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Richard Brophy (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Cordi (NYPA)	<input type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Energy Economics, LLC – Wholesale Sellers)	<input type="checkbox"/>	<input type="checkbox"/>
Chris Wentlet (Municipals & Electric Coops)	<input type="checkbox"/>	<input type="checkbox"/>
Mike Mager (Couch White – Large Consumers)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid)	<input checked="" 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"/>
Ricardo Galarza (PSM Consulting)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Akm Saijadul Islam (NYDPS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alan Ackerman (CES)	<input type="checkbox"/>	<input type="checkbox"/>
Wes Yeomans (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Greg Drake (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kai Jiang (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"/>
Ryan Carlson (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
David Allen (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nate Gilbraith (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steve Lemme (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ken Galarneau (Direct Energy).....	<input type="checkbox"/>	<input type="checkbox"/>
Richard Quimby (NYDPS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Hall (NYSERDA).....	<input type="checkbox"/>	<input type="checkbox"/>
Matthieu Plante (HQUS)	<input type="checkbox"/>	<input type="checkbox"/>
Brian Shanahan (National Grid)	<input type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS)	<input type="checkbox"/>	<input type="checkbox"/>

New Participants:

Jim D’Andrea (LS Power)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yuri Fishman (PSEG-LI)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Zach Smith (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Introduction

Chair Howard Kosel called the NYSRC Installed Capacity Subcommittee meeting to order at 10:00 A.M. on April 3, 2019.

2. Approval of Minutes for Meeting #217

- The meeting minutes were approved as revised.

3. Review Action Item List:

- Few members recommended the action items list have a completion date where applicable.

4. 2020-21 IRM Study

4.1. 2020-21 IRM Study Task Updates

4.1.1. Energy Storage Modeling – Update on NYISO Approach (R. Carlson)

- Ryan Carlson went over Energy Duration Limited Resource Modeling Whitepaper.
- 8 hour resources for LI were modeled from 12 PM - 8 PM in discharge mode and 10 PM – 6 AM in charge mode.
- Models tested: 10, 20, 50, and 100 MW.
- Results were identical when comparing eight hour storage resource to perfect capacity.
- NYISO recommends modeling two 5 MW units of duration limited resources in the 2020 IRM study using the charge and discharge shapes discussed in this whitepaper.

- No IRM impact analysis was covered in this whitepaper. Nate Gilbraith mentioned the Δ LOLE = 0.002 relative to the base case, which would result in a minor impact on the IRM. Al Adamson stated that the IRM impact should be stated (even if the impact is minimal).
- NYISO is soliciting comments on this whitepaper.
- EC will vote to approve on this next month (May 2019).
- 4.1.2. External Area Model – Draft White Paper (J. Adams, G. Drake)**
 - A first draft of the white paper was presented by J. Adams and G. Drake.
 - Page 12: Case 4 Validation of preliminary Results.
 - Case 4 Validation will be completed by next meeting.
- 4.1.3. HQ Cedars Upgrade – Preliminary Results (F. Ciani)**
 - NYISO provided an update but no preliminary results to discuss
 - NYISO working on import rights
 - A presentation will be given next week.
- 4.1.4. Load Shape Selection – Schedule (J. Boles)**
 - Load Duration Curve Presentation by Arthur Maniaci
 - The presentation showed the LDC characteristics from 2002 to 2018.
 - 2007 was chosen as a representative of typical years
 - 2002 most representative of a year with many higher load days. (2018 is similar to 2002).
 - 2007, 2010, 2012 were representative of average load.
 - Based on the presentation, there's no compelling reason to update the load shape.
 - Evaluating load shapes in the IRM study – Nate Gilbraith
 - NYISO will continue to give detailed review of existing load shapes to ICS from April 2019 – Sep 2019
 - Summary of neighboring control areas' approaches to load forecasting presentation by NYISO to ICS by August 2019.
 - Summary of other NYISO processes that utilize load shapes presentation by NYISO to ICS by September 2019.
 - NYISO is looking for direction from ICS in evaluating load shapes in IRM study (ICS mentioned incorporating behind the meter resources).
 - For the 2021 IRM, NYISO to identify potential load shape methodology updates by 2020.
- 4.1.5. Exports to N.E. – Update (N. Gilbraith)**
 - Objective of this presentation was to update ICS on sales from NY to NE from May 2018 to March 2019
 - Forward Capacity Auction (FCA) results from NY to NE varied by month between 744.8 MW and 1,044.8 MW.
 - No capacity sales from NYISO locality to ISO-NE occurred from June 2018 to March 2019.
- 4.1.6. General Public Appeals (A. Adamson)**
 - Khatune Z. presented on PSEG-LI Public Appeals Analysis
 - NYISO Emergency Operating Procedures, PSEGLI analysis showed that load in excess of 80 MW can be shed in a public appeal event.
 - PSEG-LI looked at the commercial and residential sectors.
 - Government entities were the primary commercial market entities for expected demand reduction of 93.5 MW.
 - A residential demand reduction of 13.5 MW obtained during public appeal event.

- The analysis showed a 107 MW total reduction can be achieved. A more conservative approach would be to maintain the current 80 MW reduction for the 2020/2021 capability.
- NYISO does not quantify or verify the MW reduction obtained through public appeals.

4.2. Assumptions Matrix Update (G. Drake): No update at this time

4.2.1. Topology – Preliminary Review

- Changes to 2019 IRM topology for 2020 IRM Study (kai Jiang)
- This has been accepted by TPAS
- 2019 IRM topology was presented
- 2020 topology updates:
 - Update 1: UPNY-SENY changes included Cricket Valley, Leeds-Hurley SDU.
 - Update 2: Jamaica Ties (J to K) includes addition of Rainey-Corona 345/115 kV PAR.
 - Update 3: Retirement of Indian Point #2 unit. UPNY-Con Ed interface affected. 2018 RNA study with retiring both IP units: increase 500 MW
 - NYISO will evaluate impact of these topology changes in 2020 IRM study.

5. Policy 5 Addition: "Procedure for Treatment of Information Received after EC IRM Approval" (A. Adamson)

- Discussion of EC procedure.
- The EC will review NYISO preliminary analysis and consider impacts of any changes to IRM base case results or final IRM if a Final IRM has been approved by EC. A potential change in base case IRM of 0.2% or less as a result of material change will not warrant further considerations.

6. Additional Agenda Items

Other Discussions:

Prepared by: Akim Faisal, Central Hudson (AFaisal@cenhud.com)

Upcoming meetings:

Meeting 219, Tuesday, May 1, 2019 at NYISO Corporate Center