

Draft Minutes

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

Meeting #216 – January, 29 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 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"/>
Lubaba Islam (PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mariann Wilczek (PSEG LI)	<input type="checkbox"/>	<input type="checkbox"/>
Richard Brophy (NYSEG-RGE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Cordi (NYPA)	<input type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Energy Economics, LLC – Wholesale Sellers)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris Wentlet (Municipals & Electric Coops)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Mager (Couch White – Large Consumers)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid)	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 checked="" 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 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 type="checkbox"/>	<input type="checkbox"/>
Nate Gilbraith (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Emilie Nelson (NYISO)	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Matthieu Plante (HQUS)	<input type="checkbox"/>	<input type="checkbox"/>
Brian Shanahan (National Grid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erin Hogan (DOS-UIU)	<input type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

New Participants:

Peter Dotson-Westphalen (LS Power)	<input type="checkbox"/>	<input type="checkbox"/>
Jim D’Andrea (LS Power)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rich Gell (Ontario Power Gen)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1. Introduction

Chair Howard Kosel called the NYSRC Installed Capacity Subcommittee meeting to order at 10:00 A.M. on January 29, 2019.

2. Approval of Minutes for Meeting #215

- The meeting minutes (Meeting #215) were approved as revised.

Additional comments on Load Shape and Load Shape Scaling:

- During today’s meeting, there were additional comments and feedback regarding the load shape discussion from the previous meeting, Meeting #215.
- Adam Evans (DPS) reiterated a concern from last meeting about revisiting load shape scaling for all hours of the day, as identified by Astrapè. Is the current method used by NYISO a valid representation? Chris Hall (NYSERDA) concurs and stated that the topics being discussed today are two different aspects:

1. Load Shape in and of itself
 2. Load shape scaling: Regardless of load shape, is there a better way to scale load?
- Greg Drake mentioned that NYISO adjusts the load shape every hour to meet forecast and adjusts zonal peaks for coincident and non-coincident load. The load shape review is on a 3 year schedule. Last year NYISO (Arthur Maniaci) presented load shape models and future considerations. Currently, NYISO is in its 2nd year of this review and is planning to look into ramifications of different approaches, perform sensitivity analysis with test cases. In year three (2020) ICS will need to decide whether to adopt the model based on year two analysis and results.
 - Josh Boles stated that the load shape model has been in place for the last 17 years and would not be a high priority since other items on the ICS Task list need attention to develop new models (i.e. ESM, External area model, HQ wheel, etc.).
 - NYISO believes load shape scaling would be addressed in the 3 year time frame and would require additional analysis in order to provide feedback to the NYSRC ICS.
 - Adam Evans brought up two points:
 1. What should be done for the IRM? (→ Reliability purpose)
 2. What should be done to value those resources? (→ Market Purpose)
 3. A form of acknowledgement of the assumptions (that are overly conservative) for reliability purposes have a real impact on the market side. These issues should be discussed and additional analysis is needed sooner than later.
 - Mike Mager stated it would be helpful to know the level of conservatism of the existing load shape.
 - Mark Younger stated that Astrapè provided no evidence whether results obtained are “more accurate” than current NYISO method of load shape and scaling. He believes the first step is for Astrapè to present all of its data to back up this claim.
 - Josh Boles stated that the two issues should be separated:
 1. Overall process of how ICS treats all aspect of forecasting load and LFU in the IRM
 2. Scaling load in a different manner than currently being done, hours outside of the peak hour would be scaled less than the peak load.
 - Al Adamson agrees a new load shape model is needed and delivery date to develop one should be discussed.
 - Howard Kosel mentioned that concerns brought up by NYSERDA/DPS would be discussed further during load shape selection process and will be addressed in an internal meeting with NYISO staff. An update will be provided at a future ICS meeting.

3. Review Action Item List

- No changes to list. No comments received.

4. 2020-21 IRM Study

4.1. Draft Milestone Schedule – For ICS Approval

- Correction: Next ICS meetings January 29, 2019 and February 26, 2019.
- Draft Schedule approved by ICS for EC approval.

4.2. 2020-21 IRM Study Tasks

- Modeling two new energy storage resources for the 2020 IRM study is a high priority.
- ICS will track new features in GE MARS software to assist in the energy storage modeling.

- NYISO will provide a white paper with recommendations for ICS.
- HQ Cedars upgrade presentation by Frank Ciani is due during May 2019. This should include a recommendation on combining HQ and Cedars areas into one area in the MARS model.
- DER Integration is an ongoing initiative, Kai Jiang to present later in June 2019.
- Load shape selection presentation during June by Arthur Maniaci.
 - Mark Younger recommended that Arthur Maniaci discuss in the next meeting a high level schedule of what he hopes to address in the first and latter half of the year.
- Public Appeals and review EOP steps recommendation by Al Adamson in July 2019.
 - The RRS meeting addressing EOP is scheduled in March 2019.
- IRM study tasks will be sent to EC for approval on February 8, 2019.

4.2.1. Assumptions Matrix (Presentation by Greg Drake)

- This year there was a request to include a Winter LFU.
- Josh Boles mentioned a few critical assumptions in relation to the topology: Cricket Valley (in service) and one Indian Point unit (out of service) would be included in the IRM study.
- Zonal average data are used to model new intermittent resource output.
- EOP: moving from 10 steps to 12 steps.
 - Howard Kosel inquired about modeling 1965 MW of total operating reserves, would this be updated?
 - Discuss internally with NYISO to make the model more consistent.
- MARS update to model energy storage would be addressed with a white paper due in April, 2019.
 - GE is targeting (end of January, 2019) to release a MARS update that includes energy storage. GE will release description of updates to ICS.

4.2.2. External Area Modeling (Presentation by John Adams and Greg Drake)

- Simplify external areas into one bubble for each area.
- Next steps: Validate Case 4 and begin review of individual control area EA limits.
- Howard Kosel suggested implementing one simplified model this year instead of developing multiple models (NYISO will address this in a white paper).

4.2.3. HQ Wheel Modeling (Presentation by Nate Gilbraith)

- At September 2018 meeting, ICS requested sensitivity on the HQ wheel modeling be incorporated into the 2019 IRM report.
- Decreasing the EA at HQ border by 300 MW and increasing EA limit from NE (at ISO-NE border) by 300 MW, resulted in a change of 0.3% observed in the IRM.
 - Greg Drake not sure about adding 300 MW to NE
- Based on 2019 IRM sensitivity, NYISO could support the NYSRC establishing a 2020 IRM base case with the wheel modeled.
- Mark Younger concurs in modeling the wheel and stated the representation from the 2019 IRM sensitivity was appropriate. ~~but a better representation of this model should be determined.~~
- Modeling the wheel should have a minimal impact on HQ and total import rights (10 MW or less).
- NYISO ~~is not looking into different scenarios for the import rights and~~ will provide recommendations for modeling the wheel in the IRM in June 2019.

5. NYISO 2019-20 LCR Study Results (Presentation by Nate G. and Ryan Carlson)

- No comments

6. Additional Agenda Items

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

Upcoming meetings:

Meeting 217, Tuesday, February 26, 2019 at NYISO Corporate Center