

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #277 – May 30, 2023
Microsoft Teams**

Attendees **Present** **Phone**

Members / Alternates:

Brian Shanahan (National Grid) ICS Chair	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Noor Leghari (NYSEG/RG&E) ICS Vice Chair / Secretary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rich Bolbrock (Unaffiliated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sanderson Chery (Con Edison).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Dellatto (PSEG LI).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Majdi Baccouche (NYSEG/RG&E).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jim Kane (NYPA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Howard Kosel (Con Edison).....	<input type="checkbox"/>	<input type="checkbox"/>
Chris Wentlent (MEUA).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rich Wright (CHG&E)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Economics)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Advisers/Non-member Participants:

Bill Acker (Unknown)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Adams (ICS Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
David Allen (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Leen Almadani (CHG&E)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Andrea Calo (CES)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jie Chen (Potomac)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Grant Flagler (Con Ed Energy)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ricardo Galarza (PSM Consulting)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris Hall (NYSERDA).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Karl Hofer (Con Edison).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yvonne Huang (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gary Jordon (ICS Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Scott Leuthauser (HQUS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tim Lundin (LS Power)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tubbs Nikolai (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kristine Agati (AVANGRID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maddy Mohrman (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Randy Monica Jr. (DPS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Emily Fernandes (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Thomas Primrose (PSEG LI)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Athar Hilme (PSEGLI).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mikaela Lucas (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lucas Carr (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Otito Onwuzurike (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ben O'Rourke (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jon Sawyer (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wesley Yeomans (Unknown)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Timothy Duffy (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Julia Popova (NRG).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Richard Bratton (Unknown)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Max Schuler (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sushil Silwal (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
William Gunther (Con Edison)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Benjamin Cohen (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Roll Call – N. Leghari

- Roll call was conducted.

2. Introduction and Request for Additional Agenda Items - B. Shanahan

- None

3. Approval of Minutes for Meeting #276 – B. Shanahan

- Minutes of meeting #276 has been approved

4. Review of Action Items List – B. Shanahan

- No changes were made to the Action item list
- No changes to the Current White Paper Topic (For 2024 IRM Study)
- Two more topics were added to the Additional topics

5. Chair update on recent EC actions – B. Shanahan

- Policy 5 changes was approved and posted on website.

6. Review of Updated Initial IRM Assumptions Matrix - M. Lucas

- M. Lucas presented IRM Requirement Study 2024-2025 Preliminary Base Case (PBC) Model Assumptions Matrix. There were no comments.

6.1. Reactivation of 2023 Peaker Units - L. Carr

- Reasons for Generator Reactivation was discussed.

6.2. Topology Update - Y. Huang

- No questions

6.3. Updated LFU Multiplier and Load Shape Adjustment for BTM Solar - R. Khan / M. Schuler

- M. Younger – Raised concern regarding increasing behind the meter solar generation that the load forecast uncertainty increased. NYISO has not done much in the process of developing these LFU to capture that concern. This needs to be addressed going forward.
- M. Schuler – These updated multipliers are using 2022 data which has more solar. NYISO is going to calibrate the multipliers to reflect the projected solar.

6.4. Updated LFU Multiplier and Load Shape Adjustment for BTM Solar - M. Schuler

- No questions

6.5. Discussion on Capacity Limited Resources – Y. Huang

- Y. Huang - NYISO is not going to discuss any unit specific information in this meeting. Planning to do is review all the details with the Gary and John (Consultants) so that they are able to look at unit specific information and reach consensus.

7. Review of Updated Parametric Results - M. Lucas

- No comments or update.

8. Initial Sensitivity Case List - L. Car

- B. Shanahan – Do we need to do additional sensitivity that is considered.
- G. Jordan – Do we need to look at off-shore wind impact since it is going to have a large impact.

- L. Carr - we've always just run it upstate considering now that we have the offshore wind downstate, we will use it as shifting capacity. So, it will be full A-K shift.
- M. Younger – Has concern that there will be substantial imbalance in 2024 between the amount of upstate wind and the amount of downstate wind.
- L. Carr – NYISO can run the sensitivity where we have the upstate wind call the historic sensitivity. Concern is that offshore wind sensitivity result will be same as parametric study results.
- L. Carr – NYISO recommending that run the upstate wind and then maybe do all the wind together and see value in running the offshore wind independently given the other two cases.

9. Update on Load Forecast Uncertainty Future Work – M. Schuler

- Y. Huang - The key message not just to do another layer of analysis on just the multiplier but what we're doing is more evolutionary improvement on the entire construct and that's going take some time to get done.
- M. Schuler - There should be update in the fall as to where we are with these three big chunks of work would be appropriate

10. Interim EOP Review Whitepaper Discussion - M. Lucas / J. Sawyer

- Y. Huang – Discussed the background, timeline and reviewing the emergency assistance for the paper. Present paper in August 23.
- Y Huang - During the simulation events when NYCA is experiencing Loss of load events during those hours NYCA is sending support to external areas. That is most suspect driven by potentially internal NYCA has constraints but some of the zones may actually have extra surplus and was able to support the externals but not able to support our own so if that there are incidents that you will see negatives, I would say outflowing MW during local events
- Y. Huang - Higher EA flow level, support from the PJM bridges the gap when IESO and ISONE both are likely in the same extreme conditions.
- Concerns over winter start to emerge across the Northeast region. NYCA and ISONE, and potentially PJM, also share the common gas constraints due to limitation of the gas pipeline, especially during winter cold spell.
- G. Jordan – Has concern that the reliability and the strength of the neighboring system may not be as strong in the future as it was in the past.
- Y. Huang - Agreed that there is 3-4 different levels of assumptions or limitations in the IRM study all of them not overly dependent on the jurisdiction.
- M. Younger - The model assumes that all our neighbors will have fortunately turned on all their capacity to avoid a LOLE event in New York and it also assumes of course that NYCA exhaust all of our capacity to avoid LOLE event in New York and while I believe that's a very reasonable assumption for New York. Modelled seems to be overly optimistic.
- M. Younger - Most of our neighbors use their criteria after utilizing EOP steps and when we bring them back to 1 in 10 based upon using their regular generation. Or we should be looking at just reducing how much we will rely upon them for EOP or for emergency support.
- M. Younger – NYISO should look at this area more closely.

11. Interim Gas Constraints Whitepaper Discussion - L. Carr

- No comments on the Gas Constraints Whitepaper.

12. IRM Iteration Insights Discussion - G. Jordan

- G. Jordan - the whole point shows you that in addition to the expected values there is more depth to that information. More range of what's occurring, and these are things that we could be looking at in the future.

13. Additional Agenda Items - B. Shanahan

- Sending the ICS roster update to Melissa. Alternate for PSEG Long Island I updated my version of the roster with apparently never sent it to Melissa to get updated so that will be done.

Next Meeting

Meeting #278 – Wednesday, June 28, 2023, 10 am – KCC