

Final Minutes

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

Meeting #296– November 6th, 2024

Microsoft Teams

Attendees **Present** **Phone**

Members / Alternates:

William Gunther (Con Edison – ICS Chair).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Brian Shanahan (National Grid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rich Bolbrock (Unaffiliated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ruby Chan (CHG&E).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Richard Wright (CHG&E).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sanderson Chery (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Noor Leghari (NYSEG/RG&E)	<input type="checkbox"/>	<input type="checkbox"/>
Ayman Elkasrawy (NYSEG/RG&E)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jim Kane (NYPA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Mager (MI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Wentlet (MEUA).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mark Younger (Hudson Economics)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Athar Hilme (PSEG LI).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Thomas Primrose (PSEG LI).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Advisers/Non-member Participants:

Gary Jordon (ICS Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Adams (ICS Consultant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Henry Fox (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dylan Zhang (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Max Schuler (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Yvonne Huang (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Otito Onwuzurike (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Bianca Prinsloo (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lucas Carr (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Sanket Milind Ulagadde (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mikaela Lucas (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Keegan Guinn (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Timothy Duffy (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Heidi Nielsen (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Madeline Mohrman (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Abdul Mohammed (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brendan Long (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Victoria Swider (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Richard Quimby (DPS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Randy Monica Jr. (DPS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wes Youmans (RCMS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alan Ackerman.....	<input type="checkbox"/>	<input type="checkbox"/>
Kristine Agati (Avangrid)	<input type="checkbox"/>	<input type="checkbox"/>
Leen Almadani (CHG&E)	<input type="checkbox"/>	<input type="checkbox"/>
Majdi Baccouche (NYSEG/RG&E).....	<input type="checkbox"/>	<input type="checkbox"/>
Liam Baker.....	<input type="checkbox"/>	<input type="checkbox"/>
Garrett Bissell.....	<input type="checkbox"/>	<input type="checkbox"/>
Mike Cadwalader	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Andrea Calo (CES)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Joe Coscia (Potomac Economics)	<input type="checkbox"/>	<input type="checkbox"/>
Patrick Danner (NYPA)	<input type="checkbox"/>	<input type="checkbox"/>
Caroline Decker.....	<input type="checkbox"/>	<input type="checkbox"/>
Christina Duong.....	<input type="checkbox"/>	<input type="checkbox"/>
Grant Flagler (Con Ed Energy)	<input type="checkbox"/>	<input type="checkbox"/>
Chris Hall	<input type="checkbox"/>	<input type="checkbox"/>
Karl Hofer (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mariann Wilczek (PSEGLI).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tim Lundin (LS Power)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Julia Popova (NRG).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ricardo Galarza (PSM)	<input type="checkbox"/>	<input type="checkbox"/>

Elynor Reyes.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Shah Saeed.....	<input type="checkbox"/>	<input type="checkbox"/>
Anand Chandrashekar.....	<input type="checkbox"/>	<input type="checkbox"/>
Manny Panaligan.....	<input type="checkbox"/>	<input type="checkbox"/>
Mark Magliola.....	<input type="checkbox"/>	<input type="checkbox"/>
Sushant Verghese.....	<input type="checkbox"/>	<input type="checkbox"/>
Ken Galarneau.....	<input type="checkbox"/>	<input type="checkbox"/>
Kathleen O’Hare.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jie Chen.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Michael Swider.....	<input type="checkbox"/>	<input type="checkbox"/>
Benjamin Cohen.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Norris.....	<input type="checkbox"/>	<input type="checkbox"/>
Benjamin ORourke.....	<input type="checkbox"/>	<input type="checkbox"/>
Leon Almadani.....	<input type="checkbox"/>	<input type="checkbox"/>
Lucy Khazanovich.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mackenzie Poulton.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Richard Bratton (IPP NY).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Josef Figueroa.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Arjun Malhotra.....	<input type="checkbox"/>	<input type="checkbox"/>
Leila Nayar.....	<input type="checkbox"/>	<input type="checkbox"/>
Vincent Gabrielle.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Syeda Lubna.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yannick Vennes.....	<input type="checkbox"/>	<input type="checkbox"/>
Pallavi Jain.....	<input type="checkbox"/>	<input type="checkbox"/>
Haizhen Wang.....	<input type="checkbox"/>	<input type="checkbox"/>
Marisa Dougherty.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tomasz Dzedzic.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Claudia Bustamente.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1&2 Roll Call and Request for Additional Agenda Items – W. Gunther / B. Shanahan

No additional Agenda items.

3. Approval of Previous Meeting Minutes

Meeting minutes for previous meetings #294 & #295 were approved with minor comments incorporated.

4. Review of Action Item List – W. Gunther

The current Action Item list was reviewed with a couple of minor changes incorporated from previous meetings. No new items were presented. A whitepaper on Tan45 will be presented at the mid November meeting. General note that ConEd is retiring a small ~17MW unit by May of next year and was not modeled out-of-service in this IRM report. ICS relies on public information that was available at the time of FBC/ Assumptions Matrix approval. Mr. Younger questioned whether or not the NYISO has conducted a parametric run to confirm an expected minimal impact due to the change. NYISO confirmed that a parametric review of the generator retirement status was performed. This review and need for a Special Sensitivity will be discussed at the mid-November ICS meeting and at the following EC meeting.

5. Chair update on recent EC actions

EC approved the FBC Assumptions Matrix and reviewed the Winter Gas Constraints whitepaper.

6. BTM Solar Whitepaper – M Lucas

Whitepaper was briefly reviewed and will be re-presented at a future ICS meeting to allow for additional review time by ICS members.

7. Offshore Wind Correlated Outages in Neighboring Areas - A. Mohammed

Overall impact on the NYCA, of modeling OSW as a resource in ISO-NE are currently small compared to the total system capacity in each area, minimizing the impact of correlated wind events, if any, on reliability and the IRM in the near-term. Presently, ISO NE models OSW as thermal units so no correlated outages would be visible although total capacity modeled is small. Until additional OSW capacity is installed, small impacts are observed. G Jordan recommended that NE OSW should be modeled as a wind shape going forward. D Zhang and G Jordan noted that the need for Policy 5 changes has to be reviewed to enable replacement of a thermal model with a renewable profile, if available.

8. 2025/26 IRM FBC Parametric Results – H. Fox

Parametric results were reviewed with no significant comments or changes indicated between the PBC and FBC. Updated EOP Steps were reviewed and also noted a December entry for SCR calls appeared.

9. 2025/26 IRM FBC Tan45 Points and Curves – H. Fox

The FBC Tan45 Points and curves were presented with minimal comments.

10. 2025/26 IRM FBC Tan45 Results – Approval Item – S. Ulagadde

The Tan45 IRM results are relatively consistent with the parametric analysis results from PBC and FBC.

The impact of the updates to the load forecast, EOP assumptions, and UDR elections causes the Load Zone J and Load Zone K LCR curves to become steeper and move upwards, relative to PBC results.

It was noted that there is increased flexibility in TSL floors this year as compared to last year so that TSL floors should not be binding when NYISO analyzes LCRs considered the TSL floors. Ongoing consideration of how to possibly coordinate TSL analysis with IRM study analysis continues separately. Some changes have already been incorporated into the IRM analysis to preclude future issues (risk shifted upstate). It remains that the two studies are separate processes and there is no unified process easily identifiable at this time.

The IRM and Load Zone K LCR increased relative to the PBC, while the Load Zone J LCR decreased.

2025-2026 IRM FBC tan45 results:

IRM: 24.4%

Load Zone J LCR: 75.6%

Load Zone K LCR: 107.3%

ICS approved the FBC Tan45 results contingent upon completion of TO data reviews, which are in progress. The GE data analysis is already complete. These will be presented to the EC in a following meeting.

11. Standard Error Analysis – B. Prinsloo

The NYISO followed the Policy 5 instruction and increased the number of iterations in increments of 250. The standard error of 0.025 is achieved with 4,250 replications, with a non-material impact of a 0.03% increase to the IRM.

NYISO's review of current IRM error analysis concludes that the IRM proceed with 4,250 replications for the 2025-2026 IRM FBC in compliance with Policy 5 requirement of a 0.025 Standard Error.

12. 2025-26 IRM Study Technical Report – G. Jordan

Gary Jordan presented the draft IRM Report with an emphasis on what changed between this year and last year. It was noted that the draft Table 7 will be cleaned up and a discussion added with respect to PBC and FBC differences. A redline and new clean version will be posted following the meeting, this week.

13. 2025-26 IRM Study Technical Report Appendices – J. Adams

The draft Technical Report Appendices were presented by John Adams. Further review of information based on the most recent analysis results will be included to ensure consistency.

14. Additional Agenda Items

None.

Next Meeting

Meeting #297 –Wednesday, November 12th, 2024, 10 am – MS Teams