Draft Minutes

New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #286 – January 30 2024
Microsoft Teams

Attendees	**Present**	**Phone**
Members / Alternates:		
Howard Kosel (**ICS Chair**)	☐	☒
Brian Shanahan (National Grid)	☐	☒
Rich Bolbrock (Unaffiliated)	☐	☒
Clay Burns (National Grid)	☐	☒
Ruby Chan (CHG&E)	☐	☐
Richard Wright (CHG&E)	☐	☒
Sanderson Chery (Con Edison)	☐	☒
Noor Leghari (NYSEG/RG&E)	☐	☐
Ayman Elkasrawy (NYSEG/RG&E)	☐	☐
Jim Kane (NYPA)	☐	☐
Mike Mager (MI)	☐	☒
Chris Wentlent (MEUA)	☐	☒
Mark Younger (Hudson Economics)	☐	☒
Athar Hilme (PSEG LI)	☐	☒
Thomas Primrose (PSEG LI)	☐	☒
Advisers/Non-member Participants:		
Gary Jordon (ICS Consultant)	☐	☒
John Adams (ICS Consultant)	☐	☒
Henry Fox (NYISO)	☐	☒
Laura Popa (NYISO)	☐	☐
Max Schuler (NYISO)	☐	☐
Yvonne Huang (NYISO)	☐	☒
Bianca Prinsloo (NYISO)	☐	☒
Lucas Carr (NYISO)	☐	☒
Mikaela Lucas (NYISO)	☐	☒
Ryan Carlson (NYISO)	☐	☒

Keegan Guinn (NYISO) ☐ ☒
Timothy Duffy (NYISO) ☐ ☒
Madeline Mohrman (NYISO) ☐ ☒
Abdul Mohammed (NYISO) ☐ ☒
Adam Evans (DPS) ☐ ☒
Richard Quimby (DPS) ☐ ☐
Randy Monica Jr. (DPS) ☐ ☒
Kristine Agati (Avangrid) ☐ ☒
Kristine Agati (Avangrid) ☐ ☒
Majdi Baccouche (NYSEG/RG&E) ☐ ☐
Leen Almadani (CHG&E) ☐ ☒
Andrea Calo (CES) ☐ ☒
Patrick Danner (NYPA) ☐ ☒
William Gunther (Con Edison) ☐ ☒
Karl Hofer (Con Edison) ☐ ☒
Grant Flagler (Con Ed Energy) ☐ ☒
Mariann Wilczek (PSEGLI) ☐ ☒
Scott Leuthauser (HQUS) ☐ ☒
Tim Lundin (LS Power) ☐ ☐
Julia Popova (NRG) ☐ ☐
Ricardo Galarza (PSM) ☐ ☒
Garrett Bissell ☐ ☒
John Norris ☐ ☒
Benjamin ORourke ☐ ☐
Leon Almadani ☐ ☒
Mike Cadwalader ☐ ☒
Joe Coscia (Potomac Economics) ☐ ☒
Caroline Decker ☐ ☒
Otito Onwuzurike ☐ ☒
Richard Bratton ☐ ☒
Ethan Avallone ☐ ☒
Mary McColgan ☐ ☒
Christina Duong ☐ ☒

Manish Sainai ..... ☐ ..... ☒

Caroline Kucher ..... ☐ ..... ☐

Chris LaRoe ..... ☐ ..... ☐

Syeda Lubna ..... ☐ ..... ☐

Gabriel Centi ..... ☐ ..... ☐

Josef Figueroa ..... ☐ ..... ☒

Raj Dontireddy ..... ☐ ..... ☒

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

- No additional Agenda items identified.

3. Approval of Minutes for Meeting #285

- Meeting minutes for previous meeting #285 was approved with minor editorial changes.

4. Review of Action Item List – H. Kosel

- Reviewed ongoing Action Item list and cleanup of existing list for the new study year (one new AI pertains to TSL floor evaluations).

5. Chair update on recent EC actions

- EC approved a 22.0% IRM in the December 2023 meeting. NYISO will verify distribution of the IRM/LCR reconciliation results using the EC approved IRM value, vs the calculated 23.1%.

6. Review of IRM Milestone Schedule for 2024

- Assumptions Matrix reviewed with no major changes required.

7. Preliminary Assumptions Matrix

- Reviewed the Matrix for the upcoming study year, minor update to Table G4. Matrix to be populated as the study year progresses.

8. 2025 White Paper Scopes – Y Huang

8.1 Tan45 Review – M.Lucas

NYISO proposed an interim / near-term solution research scope in which the NYISO plans to test different methods to respect (or otherwise account for) TSL floor values in conjunction with the current Tan45 methodology in developing the technical study's IRM outcome. Several members expressed support (M. Younger, M. Mager and A. Evans) expressed support for evaluating TSL floor evaluation with the IRM Tan45 methodology as a priority for ICS. Coordination with the NYISO Planning Departments will be required as TSL Floors are not determined by the NYISO Planning Department and not the ICS. Y. Huang recommended that a process for incorporating the TSL floors be further reviewed during this summer to potentially determine a set of processes to proceed with at least using an interim process for incorporating TSL floors into the IRM process.

8.2 Managing Uncertainty – K. Guinn

Whitepaper will review the history of new market entries by generator projects and investigate how future market entries can be anticipated and factored into IRM evaluations.

8.3 DER Modeling – B. Prinsloo

This whitepaper will aim to clarify the operating characteristics of DER, including a definition of DER, and other qualifying characteristics. Additionally, specific modeling approaches may need to be considered for DERs in the IRM study, based on their characteristics and their expected market behavior.

8.4 BTM-PV Modeling – M. Lucas

In the current IRM study, the estimated behind-the-meter (BTM) solar impact on load is embedded on the load side and the IRM load shapes are adjusted annually to reflect the impact of the increased penetration of BTM solar. NYISO is investigating ways to model BTM solar explicitly in the IRM study:

Modeling Option 1: Random Selection of Solar Production Shapes.
Modeling Option 2: Aligning BTM Solar Shapes to Load Shapes

With either methodology, separating BTM solar from load increases the IRM and LCRs significantly: ~ 3% increase in IRM is expected (based on Tan45 results). The increase in IRM is greater than the increase in LCRs due to less BTM solar in Zones J and K compared to Zones A-F. The Zone K LCR increases in greater margin than the Zone J LCR due to the higher amount of BTM solar in Zone K.

G Jordan, with others concurring, expressed concern that simply adjusting BTM solar modeling and having it increase IRM by 3% for just a methodology update would not be acceptable. Getting Option 2 aligned, and load shapes / LFU refined, for example, and viewing impact would be a way to approach any changes going forward.

9. SCR Whitepaper – M. Mohrman

Enhanced modeling slightly increases SCR usage but lowers IRM between 0.5-1.0% in backfitting into last year's IRM study. NYISO recommends adopting the Enhanced SCR Modeling into this year's IRM study (2025-26). Methodology will be presented to EC for information.

10. Gas Constraint Whitepaper – L. Carr

Based on the analysis of the historical gas production and weekly fuel surveys, the NYISO developed an initial recommendation of fuel constraints to model in the Preliminary Base Case (PBC) of the 2025-2026 IRM study. The available gas will be reevaluated on an annual basis as new winter data is added to the analysis Based on the NYISO's currently proposed capacity accreditation enhancements, the available oil would be updated each August once fuel availability elections are finalized. The Whitepaper is expected to be finalized at the March ICS meeting.

11. Policy 5 Adjustment Process – L. Carr

NYISO presented the IRM database alignment, reconciliation, analysis for the 2024/25 IRM being set at 22.0% via EC vote in December 2023 vs 23.1% as calculated. The reconciliation report is required by Policy 5.

12. Policy 5 Revisions– J.Adams

A redline of proposed changes to Policy 5 were presented. The changes concerned accounting for planned maintenance in the IRM model as well as the IRM alignment process for accommodating TSL floors in the IRM determination when the Final IRM is selected below the Basecase results.

13. Hourly LOLE Distribution – B. Prinsloo

Starting with the 2024-2025 IRM study, the derating factors for DSM units were calculated using the actual production during the hourly LOLE distribution window based on the finalized base case of the NYISO's Minimum Locational Installed Capacity Requirement LCR Study.

Based on the updated hourly LOLE distribution window, the ELR output limitation for the 2025-2026 IRM Study will remain unchanged from the 2024-2025 IRM Study.

14. Background on TSL Floor – A. Mohammed

A presentation of 2023 TSL floor values and changes to the calculation was provided. The increase in the applicable limit for the G-J Locality is driven primarily by significant transmission changes due to Segment B of the AC transmission project (Addition of the Edic-Princetown 351 & 352 345 kV circuits and Knickerbocker-Pleasant Valley Y57 345 kV circuit). The methodology used to determine the Load Zone K limit was updated in this year's study to align with the approach used for Load Zone J.

The timing of when the IRM receives and incorporates TSL floors into the PBC and FBC was discussed (July and October). Further consideration of the process will continue this year.

15. Additional Agenda Items

- None

Next Meeting

Meeting #287 –Tuesday, February 27th, 2024, 10 am – Online / MS Teams