

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #288 – April 3 2024
Microsoft Teams**

Attendees **Present** **Phone**

Members / Alternates:

Howard Kosel (ICS Chair)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Brian Shanahan (National Grid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rich Bolbrock (Unaffiliated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Clay Burns (National Grid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ruby Chan (CHG&E)	<input type="checkbox"/>	<input type="checkbox"/>
Richard Wright (CHG&E)	<input type="checkbox"/>	<input 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 type="checkbox"/>
Jim Kane (NYPA)	<input type="checkbox"/>	<input type="checkbox"/>
Mike Mager (MI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Wentlet (MEUA).....	<input type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Economics)	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
John Adams (ICS Consultant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Henry Fox (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dylan Zhang (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Laura Popa (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Max Schuler (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Yvonne Huang (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Otito Onwuzurike (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Bianca Prinsloo (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lucas Carr (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Mikaela Lucas (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ryan Carlson (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Keegan Guinn (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Timothy Duffy (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Madeline Mohrman (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Abdul Mohammed (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Brendan Long (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS)	<input type="checkbox"/>	<input type="checkbox"/>
Richard Quimby (DPS).....	<input type="checkbox"/>	<input type="checkbox"/>
Randy Monica Jr. (DPS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kristine Agati (Avangrid)	<input type="checkbox"/>	<input type="checkbox"/>
Majdi Baccouche (NYSEG/RG&E).....	<input type="checkbox"/>	<input type="checkbox"/>
Leen Almadani (CHG&E)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Andrea Calo (CES)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Patrick Danner (NYPA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
William Gunther (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karl Hofer (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grant Flagler (Con Ed Energy)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mariann Wilczek (PSEGLI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scott Leuthauser (HQUS)	<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 checked="" type="checkbox"/>
Garrett Bissell.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Cadwalader	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Joe Coscia (Potomac Economics)	<input type="checkbox"/>	<input type="checkbox"/>
Caroline Decker.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Christina Duong.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alan Ackerman.....	<input type="checkbox"/>	<input checked="" type="checkbox"/> a
Elynor Reyes.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Hall	<input type="checkbox"/>	<input type="checkbox"/>
Shah Saeed.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Anand Chandrashekar.....	<input type="checkbox"/>	<input type="checkbox"/>

Manny Panaligan.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mark Magliola.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sushant Verghese	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ken Galarneau.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Samantha Bergami.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Katheleen O’Hare.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jie Chen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nikolai Tubbs.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Benjamin Cohen.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Norris	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Benjamin ORourke	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Leon Almadani	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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 #286

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

4. Review of Action Item List – H. Kosel

- List is unchanged from previous meeting.

5. Chair update on recent EC actions

- EC Discussed ICS modeling of OSW correlated outages to include neighboring areas.

6. Preliminary Assumptions Matrix Review – B. Prinsloo

- Reviewed the Matrix for the upcoming study year,

7. Final Capacity Accreditation Factors - Otito Onwuzurike

- Brief presentation on how accreditation factors are determined and the final CAF’s for 2024/25. This has been presented elsewhere (ICAP etc).

8. DER Research – B. Prinsloo

NYISO presented initial research on DERs operational characteristics, the definition of a DER, and aggregations. Various options for aggregation were presented. Further development of this topic will be completed by Summer 2024. A DER may be one of the following categories of facilities electrically located in NYCA:

- A facility comprising two or more different technology types located behind a single point of interconnection with a maximum Injection Limit of 20 MW
- A Demand Side Resource
- A generator with a maximum Injection Limit of 20 MW

9. Gas Constraints White paper – L. Carr

NYISO presented an updated proposal to model gas constraints in the 2025 PBC. The fuel constraints will be modeled for the first time during the IRM study for the 2025- 2026 Capability Year. ICS will be seeking EC approval to move forward with the PBC assumption presented, while ICS finalizes the whitepaper.

- Based on analysis of historical gas production and weekly fuel surveys, the NYISO developed the following initial recommendation of fuel constraints to model in the Preliminary Base Case (PBC) of the 2025-2026 IRM study
- For the PBC, the study will include the initial recommended modeling of fuel constraints applied to gas-only and dual fuel generators in Load Zones F-K.
- Mr. Younger pointed out that in the FBC the available oil modeled must be reviewed to reflect actual fuel elections. Firm fuel levels selected by generators must be modeled in the FBC as they are available after August 1st. Several issues would exist if that is not done, including overvaluing CAFs for non-firm generators, incentivizing units to be non-firm from an economic standpoint and over-modeling Firm Units in the FBC.
- D. Zhang pointed out that the NYISO is attempting to incentivize Firm commitments and will take this issue back for additional consideration and recommendation, potential update of Whitepaper.
- It was agreed that the new gas constraints would be presented to the EC in the Assumptions Matrix this month but that the Whitepaper approval will be deferred pending resolution of how firm and non-firm generators are treated.

10. IRM Load Shape Comparison – M. Lucas

NYISO provided a comparison between the high load hours of actual load shapes, and the high load hours of modeled load shapes that are used in the IRM study last year, with the 2013, 2017 & 2018 years that are currently used for various load bins. New load shapes will represent less energy in the system and should result in a decrease in IRM. Magnitude of change is TBD. Modeling of BTM solar as generation pending a comprehensive load modeling improvement which is a priority for 2025. Sensitivity cases will be produced this Summer prior to any implementation of changes into the 2025-26 IRM study.

11. Parametric Results – B. Prinsloo

- Initial parametric results were presented although most data is not yet available (Load forecast and Gold Boo data).

12. Tan45 Methodology Review – L. Carr, M. Lucas

- Initial Asset Allocations and Options for review of the Tan45 methodology were presented. It was agreed that Option 1 (Utilize the same allocation used in the High Renewable Phase 3 whitepaper) should be selected so that sensitivity work can move forward for some results by the next ICS meeting. A sensitivity will likely be added to look at extreme weather impacts on OSW (including NE) depending upon data review.
- Suggestion were made by Mr. Younger to prioritize sensitivity work, such as start on CHPE and OSW first. Mr. Zhang and Mr. Kosel agreed.

13. Additional Agenda Items

- None

Next Meeting

Meeting #289 –Wednesday, May 1st, 2024, 10 am – KCC