<u>**Final Minutes**</u>

New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #287 – February 27 2024
Microsoft Teams

Attendees	**Present**	**Phone**

Members / Alternates:

	Present	Phone
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 Wentlet (MEUA)	☐	☒
Mark Younger (Hudson Economics)	☐	☐
Athar Hilme (PSEG LI)	☐	☒
Thomas Primrose (PSEG LI)	☐	☒

Advisers/Non-member Participants:

	Present	Phone
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) ....☐........☒

Brendan Long (NYISO) ....☐........☒

Adam Evans (DPS)..☐........☒

Richard Quimby (DPS)...☐........☐

Randy Monica Jr. (DPS) ....☐........☒

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 ....☐........☒

Alan Ackerman ....☐........☒

Benjamin Cohen...☐........☒

Anand Chandrashekaran...☐........☒

Elynor Reyes...☐........☒

Chris Hall ....☐........☒

Shah Saeed...☐........☒

Dylan Zhang (NYISO) ....☐........☒

Jie Chen (NYISO)...☐........☒

Nikolai Tubbs..☐........☒

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 #286 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.   Preliminary Assumptions Matrix Review

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

7.   Gas Constraints & SCR Modeling Update

- ICS will bring the Gas Constraint white paper and the recommended SCR modeling to the April 12th EC meeting for approval.

8.   BTM-Solar LFU Sensitivity – M. Lucas

Two Assessments were performed:

Assessment 1: Isolated impact assessment of the two BTM solar modeling options with no LFU multipliers applied.
Assessment 2: Updated impact assessment of modeling option 2 with and without LFU multipliers applied to the BTM solar modeled as a resource.

Application of the current LFU multipliers is not likely a primary driver of the previously observed impacts on the IRM.

9. **Current IRM Load Shape Adjustment – M. Lucas**

NYISO presented findings from their research on separating BTM-PV resources from the load shape (i.e. model gross load and BTM-PV as a resource instead of modeling net load). Previous testing resulted in a substantial increase in IRM which required further investigation. Based on the analysis, separating the BTM-PV from the load should be accompanied by additional load shape adjustments to the annual energy and seasonal peaks which is part of the ICS goals for 2025. There were questions and concerns (A. Evans) as to whether a generic load shape adjustment should be applied to non-coincident peak hours in other model years. Concern with application of adjustments to non-peak hours in peak months. G. Jordan and H. Kosel expressed opinion that load scaling should be consistent between the RNA and IRM studies and changes to account for BTM Solar are not an immediate concern, more investigation is indicated.

10. **DER Initial Research – B. Prinsloo**

NYISO presented initial research on DERs operational characteristics, how they will participate in NYISO markets and how to model the resources in the IRM study and will continue the discussion on possible modeling approaches depending on the types of DER resources.

Significant aspects to be investigated include operating characteristics of DER, definition of DER, technology types, potential location, and other qualifying characteristics.

•How are DER expected to participate in the ICAP market?
•Should specific modeling approaches be considered for DERs in the IRM study, based on their characteristics and their expected market behavior?

11. **Tan45 Methodology Review – L. Carr, M. Lucas**

Likely the most important study area this year. The presentation summarized an initial evaluation approach which includes various test cases that evaluate expected topology changes and major generation project additions. Exploration of methodology improvements is expected later this year with a formal White Paper Scope presented by end of year. An interim study approach will include evaluation of TSL floor values for 2025-26, shifting of MW in zones G-J or the LCR Optimizer and showing impact on IRM.

12. **Evolving Resource Adequacy Models – B. Long**

Presentation on a project that will research the need for other potential changes to the assumptions, inputs, and modeling used in the Resource Adequacy (RA) (or installed reserve

margin [IRM] study) model. The project will help ensure the IRM and Capacity Accreditation Factors (CAFs) applicable to the NYISO capacity market . The NYISO will investigate three areas for potential enhancements as part of this project: Correlated outages, Min/max operating temperatures, and Unit sizes.

13. Policy 5 Revisions – J. Adams

Proposed changes to Policy 5 were reviewed. Per the Milestone schedule, these changes are to be approved in June.

14. Additional Agenda Items

- None

Next Meeting

Meeting #288 –Wednesday, April 3rd, 2024, 10 am – Online / MS Teams