

**Draft Minutes**

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)  
Meeting #287 – February 27 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 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 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 checked="" type="checkbox"/>
Mark Younger (Hudson Economics) .....	<input type="checkbox"/>	<input checked="" 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"/>
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 checked="" 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 checked="" type="checkbox"/>

Keegan Guinn (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Timothy Duffy (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Madeline Mohrman (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Abdul Mohammed (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Brendan Long (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adam Evans (DPS).....	<input type="checkbox"/>	<input checked="" 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 checked="" 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 type="checkbox"/>
Julia Popova (NRG).....	<input type="checkbox"/>	<input type="checkbox"/>
Ricardo Galarza (PSM) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Garrett Bissell.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Norris .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Benjamin ORourke .....	<input type="checkbox"/>	<input type="checkbox"/>
Leon Almadani .....	<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"/>
Otito Onwuzurike.....	<input type="checkbox"/>	<input type="checkbox"/>
Richard Bratton.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ethan Avallone .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mary McColgan.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Christina Duong.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Manish Sainai.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Caroline Kucher.....	<input type="checkbox"/>	<input type="checkbox"/>
Chris LaRoe.....	<input type="checkbox"/>	<input type="checkbox"/>
Syeda Lubna .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gabriel Centi .....	<input type="checkbox"/>	<input type="checkbox"/>
Josef Figueroa .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Raj Dontireddy .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alan Ackerman		
Chris Wentlet		
Benjamin Cohen		
Anand Chandrashekar		
Elynor Reyes		
Chris Hall		
Shah Saeed		
Dylan Zhang		
Jie Chen		
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 #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. 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**