

**Final Approved Minutes**

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)  
Meeting #289 – May 1 2024  
Microsoft Teams**

**Attendees** **Present**   **Phone**

**Members / Alternates:**

Howard Kosel (ICS Chair) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
William Gunther (Con Edison – Acting Chair) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brian Shanahan (National Grid) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rich Bolbrock (Unaffiliated) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid).....	<input type="checkbox"/>	<input 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 type="checkbox"/>
Jim Kane (NYPA) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Mager (MI) .....	<input type="checkbox"/>	<input type="checkbox"/>
Chris Wentlet (MEUA).....	<input type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Economics) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Athar Hilme (PSEG LI).....	<input type="checkbox"/>	<input type="checkbox"/>
Thomas Primrose (PSEG LI).....	<input type="checkbox"/>	<input 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 type="checkbox"/>
Max Schuler (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yvonne Huang (NYISO) .....	<input checked="" type="checkbox"/>	<input 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"/>
Mikaela Lucas (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Keegan Guinn (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Timothy Duffy (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Madeline Mohrman (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Abdul Mohammed (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Brendan Long (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Liam Baker.....	<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 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 type="checkbox"/>
Andrea Calo (CES) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Patrick Danner (NYPA) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karl Hofer (Con Edison).....	<input type="checkbox"/>	<input type="checkbox"/>
Grant Flagler (Con Ed Energy) .....	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>
Ricardo Galarza (PSM) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Garrett Bissell.....	<input type="checkbox"/>	<input 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 type="checkbox"/>
Christina Duong.....	<input type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman.....	<input type="checkbox"/>	<input type="checkbox"/> a
Elynor Reyes.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Hall .....	<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 checked="" type="checkbox"/>
Mark Magliola.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sushant Verghese.....	<input type="checkbox"/>	<input type="checkbox"/>
Ken Galarneau.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Samantha Bergami.....	<input type="checkbox"/>	<input type="checkbox"/>
Katheleen O’Hare.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jie Chen.....	<input type="checkbox"/>	<input type="checkbox"/>
Nikolai Tubbs.....	<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 checked="" type="checkbox"/>
Leon Almadani.....	<input type="checkbox"/>	<input type="checkbox"/>
Lucy Khazanovich.....	<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 identified. W. Gunther acting for H. Kosel as Chair.

**3. Approval of Minutes for Meeting #288**

- Meeting minutes for previous meeting #288 were approved with editorial changes as provided by M. Younger.

**4. Review of Action Item List – W. Gunther**

- List is unchanged from previous meeting.

**5. Chair update on recent EC actions**

- None.

**6. DER Modeling – B. Prinsloo**

NYISO presented a final set of initial modeling principles for DER aggregations. Given uncertainty around DER enrollments, NYISO recommended, and ICS approved deferring modeling DER enrollments to the next IRM study.

**7. Preliminary SCR Model Values**

- Reviewed preliminary SCR ICAP values, which are based on previous elections / performance results. The actual enrollment values will be incorporated once SCR elections are finalized in July.

## **8. Gas Constraints White paper – L. Carr**

NYISO presented Tan45 results for varying assumed oil levels applied in the recommended fuel constraint modeling, as was requested at the April ICS meeting. Some notable results:

- Tan45 process could not find a solution at less than 5,000 MW of available oil is assumed.
- At 7,000 MW or less assumed oil, Winter LOLE risk becomes higher than Summer LOLE risk.
- At the 11,000 MW of available Firm oil capacity, the IRM Delta was only +0.3%, increasing to +11.2% as available oil decreased to 6,000 MW.
- In the TSL Sensitivities / LCR Results Comparison, with less than 8,000 MW of firm oil assumed available, the 0.1000 LOLE criteria could not be met without increasing the LCRs above the TSL floor values.
- Mr. Younger reiterated the recommendation that the Gas Constraints whitepaper results/methods should not be included in the Final IRM determination for 2025-26.

## **9. Alternative Load Shape Adjustment Method – M. Lucas**

NYISO provided an updated 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. 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.

Key results: [see presentation p.9]

Using the alternative load adjustment method, the IRM from last year (2024-25), would decrease by 1.4% mostly from decreased total energy requirement that is modeled in the study. Locational capacity requirements would decrease by 0.2-0.5% using the alternative method.

M. Younger and G. Jordan expressed concern that all hours should be adjusted, not just off peak hours otherwise there would be no net effect from the adjustments. And all hours are adjusted.

Mr. Evans expressed concern that doing a monthly basis load shape adjustment will over-represent high-load levels/bins.

NYISO will continue to review the alternative load shape adjustment method with the ICS.

## **10. LFU Status Update for 2025/26 – M. Schuler**

- Reviewed seasonal Summer and Winter weather from 2023-24, which showed Seasonal Maximum temperatures were below normal while overall seasonal temperature were above normal. ICS approved continued use of the existing LFU's for the upcoming 2024-25 IRM.

## **11. Tan45 Methodology Review – L. Carr**

- Initial results were presented from test cases were presented along with a summary review of the existing Tan45 process.
- Cases included the separate additions of 9,000 MW of FTM Solar, 9,000 MW of Land Based Wind, 9,000 MW of OSW, and the CHPE project.

- Suggestion were made by Mr. Younger to prioritize sensitivity work, such as start on CHPE and OSW first. Mr. Zhang and Mr. Kosel agreed.

#### **12. Parametric Results – B. Prinsloo**

- Brief update on Parametric results to date. NYISO continued updating the MARS model and performing the parametric analysis which included updating 2024 Gold Book DMNC Update (Thermal) (0.15%), Enhanced SCR Modeling (-0.57%), Shifting Offshore Wind Shape, and 2024 Gold Book Load Forecast.

#### **13. Assumptions Matrix – B. Prinsloo**

- Brief update on PBC Assumptions Matrix status.

#### **14. Policy 5 Changes – J. Adams**

- Mr. Adams presented a redlined version of Policy 5 with recommended revisions for consideration to ensure the Policy conforms with current practice. The updated Policy will be presented at the June ICS meeting for approval.

#### **15. Additional Agenda Items**

- None

#### **Next Meeting**

**Meeting #290 –Wednesday, June 5th, 2024, 10 am – [MS Teams / Online](#)**