

Final Minutes

New York State Reliability Council - Installed Capacity Subcommittee (ICS)

Meeting #318 – July 8th, 2026

Microsoft Teams

Attendees

Present Phone

Members / Alternates:

Thomas Primrose (PSEG LI – ICS Chair)	☒	☐
William Gunther (Con Edison)	☐	☒
Brian Shanahan (National Grid)	☐	☒
Rich Bolbrock (Unaffiliated)	☒	☐
Clay Burns (National Grid)	☐	☐
Ruby Chan (CHG&E)	☐	☐
Caroline Decker (CHG&E)	☐	☒
Seamus Gorman (CHG&E)	☐	☐
Sanderson Chery (Con Edison)	☐	☒
Ayman Elkasrawy (NYSEG/RG&E)	☐	☒
Jin Hao (NYSEG/RG&E)	☐	☐
Jim Kane (NYPA)	☐	☒
Patrick Danner (NYPA)	☒	☐
Mike Mager (MI)	☐	☒
Chris Wentlent (MEUA)	☐	☐
Hilme Athar (PSEG LI)	☐	☒
Mike DeSocio (Luminary)	☐	☒

Advisers/Non-member Participants:

Gary Jordan (ICS Consultant)	☒	☐
John Adams (ICS Consultant)	☐	☒
Henry Fox (NYISO)	☒	☐
Dylan Zhang (NYISO)	☒	☐
Laura Popa (NYISO)	☐	☒
Max Schuler (NYISO)	☒	☐
Yvonne Huang (NYISO)	☒	☐

Bianca Prinsloo (NYISO)	☒	☐
Lucas Carr (NYISO)	☐	☐
Sanket Milind Ulagadde (NYISO)	☐	☐
Ryan Carlson (NYISO)	☐	☒
Heidi Nielsen (NYISO)	☐	☐
Brendan Long (NYISO)	☐	☐
Carter Hempstead (NYISO)	☐	☐
Garrett Bissell (NYISO).....	☒	☐
Kathleen O'Hare (NYISO)	☒	☐
Josif Figueroa (NYISO).....	☐	☒
Pramila Nirbhavane (NYISO).....	☐	☐
Ethan Avallone (NYISO)	☐	☐
Keegan Guinn (NYISO)	☒	☐
Pallavi Jain(NYISO)	☐	☐
Oyin Agunbiade (NYISO)	☒	☐
Andrew Gregory (NYISO)	☐	☐
Arjun Malhotra (NYISO).....	☐	☐
Claudia Bustamente (NYISO)	☐	☐
Leila Nayar (NYISO).....	☐	☐
Sushant Varghese (NYISO).....	☒	☐
Diego Meucci (NYISO).....	☐	☐
Benjamin O'Rourke (NYISO)	☐	☐
Jack Garrett (NYISO)	☐	☐
Afreen Vahora (NYISO)	☐	☐
Syeda Lubna (NYISO)	☐	☐
Akin Aroge (NYISO)	☐	☐
Manish Sainani (NYISO)	☐	☐
Zach T. Smith (NYISO)	☐	☐
Helena Frudit (NYISO).....	☐	☐
Chris Hamilton (NYISO).....	☐	☐
Aaron Markham (NYISO)	☐	☐
Rajesh Subramanian (NYISO).....	☒	☐
Alexis Drake (NYISO).....	☐	☐

Ansa Altaf (NYISO)	☐	☐
Yi-An Chen (NYISO)	☐	☒
Ross Altmann (NYISO).....	☐	☐
Raj Dontireddy (NYISO).....	☐	☐
Dominic Riendeau-Krause (NYISO)	☒	☐
Ava Sealander (NYISO).....	☒	☐
Max Kim (NYISO).....	☒	☐
Muskaan Gaur (NYISO)	☒	☐
Joe Carman (NYISO).....	☒	☐
Brendan Donnelly (NYISO).....	☒	☐
Mikaela Lucas (GE)	☐	☐
Matt Elkins (GE)	☐	☐
Adam Evans (DPS).....	☐	☒
Richard Quimby (DPS)	☐	☒
Randy Monica Jr. (DPS).....	☐	☒
Holly Quattrociocchi (DOS).....	☐	☐
Wes Yeomans (RRS/RCMS)	☐	☐
Kristine Agati (Avangrid).....	☐	☐
Leen Almadani (CHG&E).....	☐	☐
Andrea Calo (CES)	☐	☐
Joe Coscia (Potomac Economics)	☐	☐
Mike Cadwalader (Atlantic Economics).....	☐	☒
Grant Flagler (Con Ed Energy)	☐	☒
Karl Hofer (Con Edison)	☐	☒
Lucy Khazanovich (PSEGLI)	☐	☐
David Mirabella (PSEGLI)	☐	☐
Manny Panaligan (PSEGLI).....	☐	☐
Mark Magliola (PSEGLI)	☐	☐
Mariann Wilczek (PSEGLI).....	☐	☐
Peter Andolena (PSEGLI).....	☐	☐
Aaron Breidenbaugh (PSEGLI)	☐	☐
Tim Lundin (LS Power)	☐	☒
Julia Popova (NRG)	☐	☒

Ricardo Galarza (PSM)	☐	☐
Richard Bratton (IPP NY).....	☐	☐
Khatune Zannat (NPCC)	☐	☐
Herb Schrayshuen (NYSRC).....	☐	☐
Amanda De Vito Trinsey (NYSRC)	☐	☐
Vincent Gabrielle (RTO Insider)	☐	☒
Marie French (Politico)	☐	☐
Eve Marengi (Luminary)	☐	☒
Ray Stalter (Luminary)	☐	☐
Michael Lenoff (Earth Justice)	☐	☐
William Sanchez (NYSERDA)	☐	☐
Rick Gonzales	☐	☒
Elynor Reyes	☐	☐
Michael Swider	☐	☐
Benjamin Cohen	☐	☐
Mackenzie Poulton	☐	☒
Haizhen Wang.....	☐	☐
Jared Anderson	☐	☐
Mark Gaines.....	☐	☐
Kenneth Galarneau.....	☐	☐
John Norris	☐	☐
Leon Almadani	☐	☐
Yannick Vennes.....	☐	☐
Stephen Conant	☐	☒
Nilkesh Gowalani	☐	☐
Matthew Schwall	☐	☐
Stephanie Palmer	☐	☐
James Pigeon	☐	☒
John Haff	☐	☐
Matthew Napoli.....	☐	☐
Alan Ackerman.....	☐	☐
Marisa Doherty.....	☐	☐
Scott Niemann	☐	☐

Vaibhav Parekh.....	☐	.....	☐
Travis Atkinson .....	☐	.....	☐
Daniel Jerke .....	☐	.....	☐
Timothy Duffy (NYPA).....	☐	.....	☐
Ryan Martin .....	☐	.....	☐
Andrew Davis (Mercuria).....	☐	.....	☒
Jordan Gross (Mercuria) .....	☐	.....	☒
Leonard Ashley (NYSERDA).....	☐	.....	☐
Scott Berthiaume .....	☐	.....	☐
Steve Whitley.....	☐	.....	☐
Derek Hagaman .....	☐	.....	☐
Caelan Schaefer .....	☐	.....	☐
Adam Bednarczyk .....	☐	.....	☐
Adam Fam.....	☐	.....	☒
Charlotte Gebhard .....	☐	.....	☐
Christopher Jylkka .....	☐	.....	☐
Gabriel Centi.....	☐	.....	☒
Bryan Irrgang .....	☐	.....	☒
Howie Li .....	☐	.....	☒

1&2 **Roll Call and Request for Additional Agenda Items – T. Primrose**

No additional agenda items noted, though some agenda items will be rearranged to improve staff availability.

3. **Approval of Previous Meeting Minutes – P. Danner**

Meeting minutes for previous meeting #317 were approved with no edits.

4. **Review of Action Item List – T. Primrose**

T. Primrose noted last EC approved Parametric Process Improvements and Seasonal Topology white papers. On the list of Additional Topics to Monitor, following last month’s discussion, the Functionally Unavailable Capacity topic was sunset, replaced by Considerations for Generator EFORD periodicity and granularity.

G. Jordan noted that in the recent heat was accompanied by public appeals to reduce power usage, and inquired as to whether any emergency actions happened. T. Primrose took it as action item to find out.

5. Chair update on recent EC actions – T. Primrose

T. Primrose provided an update on the EC covering the following:

- The EC approved the Parametric Process Improvements and Seasonal Topology white papers
- The EC provided feedback on edits to Policy 5, to be discussed later in agenda item #17
- Draft 2027 NYSRC meetings schedule, also on the agenda for later (#16)

6. Winter Fuel Availability Constraints Modeling: Final Recommendations — S. Varghese

S. Varghese presented the NYISO's final recommendations for Winter Fuel Availability Constraints Modeling based feedback received at the previous ICS; specifically, the normalized load definition for triggering conditions is evaluated at the midpoint of each load range.

Based on stakeholder discussion, Y. Huang clarified that the left portion of the table on slide 5 is based on historically available data, whereas the columns on the right are how those assumptions are translated for MARS, which takes inputs in terms of derates, not available gas. The available gas will be updated every year, the firm fuel elections only decide where it should be allocated. G. Jordan pointed out that GE was looking to enhance MARS, and Y. Huang replied that they could update the recommendation based on MARS' capability.

There were no objections to the Winter Fuel Availability Constraints Modeling recommendations from the NYISO, thus they are approved.

7. Generator Deactivations and Removals: 2027-2028 IRM PBC – D. Riendeau-Krause

D. Riendeau-Krause presented the NYISO's recommendation to maintain the generator deactivation and removal assumptions from the 2026-2027 IRM Final Base Case (FBC) Special Sensitivity Case for the 2027–2028 IRM PBC, i.e.,

- Pinelawn Power 1 is recommended to remain excluded
- Far Rockaway 1 and 2 are recommended to remain included
- The Gowanus and Narrows barge units (other than Gowanus GT 3-6 and Narrows GT 2-1, 2-7) are recommended to remain included

Additionally, the NYISO recommends excluding

- Danskammer Units 1-4
- Dahowa Hydroelectric

In response to a query, G. Bissell stated that a change in status in a STAR could prompt a change for the 2027-2028 IRM Final Base Case (FBC).

8. Seasonal Derating Factor Considerations – S. Varghese

S. Varghese reported that since the last ICS the NYISO identified a concern with the proposed calculations of the 5-year annual EFORD and the average 5-year seasonal EFORD. While additional consideration is needed for the 5-year seasonal EFORD as a calculation tool is being developed, the NYISO continues to recommend including winter performance data for intermittent resources and recognizing seasonal capability differences in the zonal derating factor calculation. S. Varghese then presented the seasonal zonal derating factors for the 2027-2028 IRM study PBC developed by the NYISO.

There were no objections to the Seasonal Derating Factor recommendations from the NYISO, thus they are approved.

9. Load Forecast Uncertainty Models for the 2027-2028 IRM Study – J. Carman & B. Donnelly

J. Carman reported that Peak summer 2025 temperatures were well above normal and peak winter 2025-2026 temperatures were below normal, thereby providing new data at the extremes and resulting in increases to Bin 1. He then reviewed the associate regressions and other statistics.

B. Donnelly presented the NYCA Winter Base LFU Model. The NYISO developed an updated winter LFU model and recommends that the 2026 RNA and 2027-2028 IRM study use the resulting winter LFU multipliers.

10. Maintenance Modeling – J. Adams

J. Adams presented on his review of GADS Summer Maintenance Events for 2025, showing the data which leads him to conclude that the level of summer maintenance observed continues to support the modeling of summer maintenance in the IRM study.

11. Maintenance Modeling Whitepaper: Final Recommendations – M. Kim

M. Kim reported that based on feedback received at the previous ICS the NYISO's updated recommendation is to round Load Zone maintenance outage values to the nearest 5 MW to preserve consistency with the NYISO's standardized zonal maintenance assignment approach for both Summer and Winter. Specifically, the 2027-2028 IRM study will model 65 MW of maintenance outages (allocated among Load Zones A, G, J and K) during peak summer (June–August) and peak winter (December–February) months.

G. Jordan inquired if there was any data that indicated 65 MW was appropriate for winter. M. Kim replied that the NYISO was reevaluating winter maintenance practices, so history is not a good guide. S. Varghese opined that using the summer number was better than using zero until they get better data.

There were no objections to the Maintenance Modeling Whitepaper, thus it is approved.

12. 2027-2028 IRM PBC – Proposed Sensitivity Cases – S. Varghese

S. Varghese presented the list of 2027-2028 IRM Study Sensitivity Cases (based on the PBC). The No Special Case Resource (SCR) Capacity sensitivity was recommended for removal this year. In response to a question on case #6, “modeling alternative assumptions for the status of the Empire and Sunrise Wind units,” it was clarified that the Offshore Wind units are not in the base case, so the sensitivity entails adding them.

13. 2027-2028 IRM PBC Parametric Results – R. Subramanian

R. Subramanian reported on the new Parametric results. The large change for #11 attracted stakeholder attention as to why this is the single biggest driver of change, with the reply being that it is driven by the addition of >1000 MW from intermittent power resources. M. DeSocio noted that it shouldn't be surprising, because the NYISO has been articulating the impact of low capacity factor resources for a long time. T. Primrose noted that the UCAP requirement may be flat, and Y. Huang said the NYISO may report on URM and get into practice of calculating the Unforced Capacity Reserve Margin along with the Installed Capacity Reserve Margin.

R. Subramanian also noted that #14, “Generator Deactivations,” reflected the agenda item presented by D. Riendeau-Krause earlier, and that #15 reflected the work of the TSL/LCR working group, and reduced limits from downstate lines. Regarding #15, R. Bolbrock stated that he had expected that Emergency Assistance from PJM would have changed by more than 0.11 given the widespread reporting of potential reliability concerns in PJM and the capacity shortfall in the latest PJM auction. He requested staff to review this item.

Nonmaterial items #6-#8 were also new.

14. 2027-2028 IRM PBC Assumptions Matrix – R. Subramanian

R. Subramanian reviewed the 2027-2028 IRM PBC Assumptions Matrix. Of particular note, #12 was updated according to maintenance white paper, and #14 & #16 are why the parametric increase to the IRM was so big. A2 & A3 show new LFU as presented earlier. G7 updated following Fuel Constraint white paper as presented earlier

W. Gunther inquired as to whether the ISONE topology included NECEC, and R. Subramanian replied that he would look into it.

There were no objections to the 2027-2028 IRM PBC Assumptions Matrix, thus it is approved.

15. Standard Error – G. Jordan

G. Jordan presented an exploration of an alternative Tan45 analysis with the transmission outage rates will be set to zero (with the additional capacity required to compensate for transmission outages the responsibility of the POW zone), since one cause of the of the increasing number of replications required to reach convergence was the outage rates on the cable systems. The result

was that eliminating cable outages or compensating for them with local capacity significantly reduced the highest replications and the convergence values.

Stakeholders acknowledged the creativity of the approach, while reiterating that there are myriad drivers of the issue of achieving Standard Error convergence, with cable outages just being one. T. Primrose reminded everyone that the Tan45 review part 2 is coming next year.

16. 2027 NYSRC Draft Meetings Schedule – T. Primrose

From the draft version the ICS meetings for March and August would be moved up one day to avoid conflict with the MC. There were no comments, thus the current version will be brought to the EC for approval.

17. Policy 5 Updates with Comments from EC (Redline/Clean)– T. Primrose

Minor changes from EC to 3.8 and dates; brought back to the ICS for awareness.

18. Additional Agenda Items

No other additional agenda items were identified.

Next Meeting

Meeting #319 –Wednesday, August 5th, 2026, 10:00 am–NYISO KCC & MS Teams