

Final Minutes

New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #317 – June 3rd, 2026
Microsoft Teams

Attendees	Present	Phone
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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).....	☐	☒
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).....	☐	☐
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)	☐	☐
Aaron Breidenbaugh (C Power)	☐	☐
Eve Marenghi (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	☐	☐

Ryan Martin .....	☐	.....	☐
Andrew Davis.....	☐	.....	☐
Leonard Ashley (NYSERDA).....	☐	.....	☒
Scott Berthiaume.....	☐	.....	☐
Steve Whitley.....	☐	.....	☐
Derek Hagaman .....	☐	.....	☒
Caelan Schaefer .....	☐	.....	☐
Adam Bednarczyk .....	☐	.....	☐
Adam Fam.....	☐	.....	☒
Charlotte Gebhard .....	☐	.....	☒
Christopher Jylkka .....	☐	.....	☒
Gabriel Centi.....	☐	.....	☒
Bryan Irrgang .....	☐	.....	☒

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

No additional agenda items noted.

3. Approval of Previous Meeting Minutes – P. Danner

Meeting minutes for previous meeting #316 were approved with no edits.

4. Review of Action Item List – T. Primrose

T. Primrose noted closeout of 322-2(a). Parametric Process Improvements and Seasonal Topology were taken to the EC, and are up for approval at the next EC.

From the list of Additional Topics to Monitor in the Longer-term:

- Regarding Generation outage rate assumptions extending from 5 year to 10 year, Y. Huang responded to stakeholder concerns by noting that going to seasonal does not cut down on the available data.
- M. Mager inquired about Functionally available capacity, which was added a couple years ago. Y. Huang: replied that the NYISO cleaned up DMNC market rules to address this concern and so it can be closed out. M. Cadwalader pointed out that those changes may not have addressed all of the MMU's recommendations, and they have raised more concerns along these lines. Following further discussion T. Primrose suggested a name change may be in order, perhaps "Granularity & periodicity of EFORD."

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

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

- Parametric Process Improvements and Seasonal Topology
- discussion on the topics of Standard Error and Winter Fuel Constraints

6. Winter Fuel Availability Constraints Modeling: Initial Recommendation — P. Jain

P. Jain discussed potential enhancements along with the NYISO's recommendations:

- Affected Load Zones: The NYISO recommends continuing the application of winter fuel availability constraints in Load Zones F-K for the 2027-2028 IRM study
- Trigger conditions: The NYISO recommends transitioning to a normalized load definition for triggering conditions (as a proxy for weather conditions), using the baseline (50/50) peak load forecast for the IRM study year instead of specified load levels
- Refine available fuel assumptions
 - Available Gas: the NYISO recommends updating the available gas dataset on a rolling ten-year basis, but in future years may recommend more years to ensure more than one cold winter is captured in the dataset. Regarding consideration of pipeline expansion, stakeholders were interested in having such expansions evaluated for their impact once there is a single winter of experience with it.
 - Available Oil: the NYISO would prefer to use a dataset of matching duration, but the generator fuel survey data was launched Winter 2019-2020 so all available data will be used, and the recommendation will be reassessed once a 10 year dataset is available
- Improve the allocation of available fuel: the NYISO recommends leveraging the elections information to inform the allocation of available fuel to resources in Load Zones F-K

7. 2026 Gold Book Load Forecast – A. Sealander

A. Sealander reviewed changes from the 2025 Fall Load Forecast to the 2026 Gold Book Load Forecast. The parametric assessment of the load forecast updates, using the "parametric split" methodology, calculated the impact of the full load forecast update as a 0.25% increase in the IRM.

8. New Generator Inclusion Screening: 2027-2028 IRM PBC – D. Riendeau-Krause

D. Riendeau-Krause described the methodology for including new generators in the IRM study and reviewed the inclusions for the previous four years. After reviewing potential new generation projects, the NYISO recommends including Alle Catt II Wind, Excelsior Energy Center, Cider Solar, Astoria Energy Storage, and Orangeville ESR for the 2027-2028 IRM PBC. The NYISO recommends not including Sunrise or Empire wind in the 2027-2028 IRM PBC because both have proposed CODs after June 1, 2027 and recent federal actions underscore ongoing project uncertainty.

9. Maintenance Modeling & Output Factor Curves: Modeling Seasonal Generator Maintenance – M. Kim

M. Kim reviewed potential enhancements to modeling maintenance outages. Upon presenting the NYISO's initial recommendation to assign 25 MW of maintenance to each of Load Zones G, J, and K, stakeholders questioned the even split among those three zones, and why the historical number it

was based on was not used directly. M. Kim replied that he would take it back for further consideration and would discuss again at a future ICS.

The NYISO conducted a parametric assessment of the potential impact of the initial recommended improvements to the maintenance modeling assumptions and identified an IRM impact of 0.095%

R. Gonzales inquired as to how the criteria compare to what is being done now. P. Jain replied that currently one season is used, parts of September are included, outage approvers have a good forecast for next 7 days, and it is fairly consistent w/ high risk days.

NYISO will return to the next ICS meeting to seek approval with the aim to model this in the upcoming 2027-2028 IRM PBC.

10. 2027-2028 IRM PBC Proposed Topology Updates – A. Sealander

A. Sealander reviewed recent updates to transfer limits, and compared the proposed updates for the 2027-2028 IRM PBC to the 2026-2027 IRM Study.

Interface	2026-2027 IRM Study, <i>Annual</i> (MW)	Proposed Update for 2027-2028 IRM PBC (MW)	Source
Dysinger East	1,925	1,900	2026 NYISO Summer Operating Study
West Central, <i>Summer Reverse Limit</i>	2,225	2,125	2026 NYISO Summer Operating Study
West Central, <i>Winter Reverse Limit</i>	2,225	2,750	2025-2026 NYISO Winter Operating Study
Moses South	3,500	3,000	NYISO subsequent to the 2026 NYISO Summer Operating Study

11. Seasonal Derating Factor Considerations – S. Varghese

S. Varghese recapped the growing importance of winter-specific assumptions, which have been progressively incorporated into the IRM study model as part of the ongoing modeling improvement initiatives. In terms of Zonal Derating Factors, the NYISO is recommending using season-specific inputs, rather than a single annual number as at present, for:

- EFORD for thermal resources
- ICAP for all resources
- availability factors for Intermittent Power Resources

S. Varghese then presented what the Seasonal Zonal Derating Factors would be in the 2027-2028 IRM Study if that recommendation was accepted, and compared them to what they would be under the current approach.

NYISO will return to the next ICS meeting to seek approval with the aim to model this in the upcoming 2027-2028 IRM PBC.

12. 2027-2028 IRM PBC Parametric Results – R. Subramanian

R. Subramanian presented the latest 12.2027-2028 IRM PBC Parametric Results, first describing the 5 new material changes, resulting in a .48 IRM increase, then the 5 non-material changes which had an aggregate impact of .01. The end result is a PBC parametric result of 26.08

13. 2027-2028 IRM PBC Assumptions Matrix – R. Subramanian

R. Subramanian discussed the various parameters with updated assumptions:

- Loads (2026 Gold Book instead of 2025 Gold Book)
- intermittent renewable shapes (2020 rolls out of the historical average, 2025 is added)
- No new BTM:NG resources, total Net ICAP of 209.4 MW (353.8 MW Gen, 144.4 MW Load)

Stakeholders inquired about EOP Step #1, because more SCRs are enrolled but fewer modeled. B. Prinsloo replied that yes enrollment increased but the ACL to CBL Factor got worse. Y. Huang provided a reminder that the 2027-2028 IRM Study Preliminary Base Case Values for Demand Response were presented at the previous ICS.

14. Generator Transition Rate Matrices: Impact Analysis– B. Prinsloo

B. Prinsloo reported that for the 2027-2028 IRM study, generator outage data will be updated from the 2020-2024 dataset to 2021-2025 dataset, and that forced outages in 2025 were significantly higher than 2020. Consequently, in the 2027-2028 IRM PBC parametric test case, the IRM and locational requirements increased in the range of 1%-2%.

Stakeholders wanted to understand the drivers of the change between 2020 and 2025; K. O'Hare reported that in 2025 some outages had extended durations, and that while the outages were across the fleet some larger units experienced notable forced outages. R. Gonzales opined that these results are consistent with the message that are units running long and hard.

15. Policy 5 Updates – J. Adams

J. Adams reported on proposed changes to NYSRC Policy 5. The primary change is that the standard error value for the mean Loss of Load Expectation (LOLE) at the 95% confidence level shall be less than or equal to 0.05 rather than 0.025, though there are assorted minor editorial changes as well.

W. Gunther declared that he was ok with all of the proposed Policy 5 changes except increasing the standard error threshold to 0.05 because with tighter margins, now is not the time to be dulling the pencil. He reminded the ICS that the statistical tolerance issue observed last year in the original FBC resulted from incorporating several generator deactivation notices for units that have continued running, and that the Special Sensitivity the EC selected would have met the normal Policy 5 target at the prior year's 4,250 reps. Instead, at the 3,000 reps that were used, the IRM was off by a material (0.14%) amount, and the 0.05 standard error change permanently loosens the data quality requirements even more than the exception the EC granted last year. He reiterated the view that getting the correct answer is more important than saving on computational costs, and expressed

concern that the more uncertainty there is in the study results, the more people will add conservatism in their IRM vote.

T. Primrose remarked that he did not plan to hold a vote.

Y. Huang expressed the NYISO's support for the revision as a near-term solution, and other stakeholders echoed the view that doubling the number of sensitivities provides more insight than doubling the number of replications.

16. Additional Agenda Items

No other additional agenda items were identified.

Next Meeting

Meeting #318 –Wednesday, July 8th, 2026, 10:00 am–NYISO KCC & MS Teams