

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #315– March 31st, 2026
Microsoft Teams**

Attendees **Present** **Phone**

Members / Alternates:

Thomas Primrose (PSEG LI – ICS Chair)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
William Gunther (Con Edison)	<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 checked="" type="checkbox"/>
Caroline Decker (CHG&E)	<input type="checkbox"/>	<input type="checkbox"/>
Seamus Gorman (CHG&E)	<input type="checkbox"/>	<input type="checkbox"/>
Sanderson Chery (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ayman Elkasrawy (NYSEG/RG&E).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jin Hao (NYSEG/RG&E)	<input type="checkbox"/>	<input type="checkbox"/>
Jim Kane (NYPA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Patrick Danner (NYPA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Mager (MI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Wentlent (MEUA)	<input type="checkbox"/>	<input type="checkbox"/>
Hilme Athar (PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike DeSocio (Luminary).....	<input type="checkbox"/>	<input type="checkbox"/>

Advisers/Non-member Participants:

Gary Jordan (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"/>
Dylan Zhang (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO)	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>
Sanket Milind Ulagadde (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Heidi Nielsen (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Brendan Long (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Carter Hempstead (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Garrett Bissell (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kathleen O'Hare (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Josif Figueroa (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Pramila Nirbhavane (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Ethan Avallone (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Keegan Guinn (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Pallavi Jain(NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Oyin Agunbiade (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Andrew Gregory (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Arjun Malhotra (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Claudia Bustamente (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Leila Nayar (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Sushant Varghese (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diego Meucci (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Benjamin O'Rourke (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Jack Garrett (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Afreen Vahora (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Syeda Lubna (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Akin Aroge (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Manish Sainani (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Zach T. Smith (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Helena Frudit (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Hamilton (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Aaron Markham (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Rajesh Subramanian (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alexis Drake (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>

Ansa Altaf (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Yi-An Chen (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Ross Altmann (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Raj Dontireddy (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Dominic Riendeau-Krause (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ava Sealander (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mikaela Lucas (GE)	<input type="checkbox"/>	<input type="checkbox"/>
Matt Elkins (GE)	<input type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Richard Quimby (DPS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Randy Monica Jr. (DPS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Holly Quattrociocchi (DOS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wes Yeomans (RRS/RCMS)	<input type="checkbox"/>	<input type="checkbox"/>
Kristine Agati (Avangrid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Leen Almadani (CHG&E).....	<input type="checkbox"/>	<input type="checkbox"/>
Andrea Calo (CES)	<input type="checkbox"/>	<input type="checkbox"/>
Joe Coscia (Potomac Economics)	<input type="checkbox"/>	<input type="checkbox"/>
Mike Cadwalader (Atlantic Economics).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grant Flagler (Con Ed Energy)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karl Hofer (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lucy Khazanovich (PSEGLI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
David Mirabella (PSEGLI)	<input type="checkbox"/>	<input type="checkbox"/>
Manny Panaligan (PSEGLI).....	<input type="checkbox"/>	<input type="checkbox"/>
Mark Magliola (PSEGLI)	<input type="checkbox"/>	<input type="checkbox"/>
Mariann Wilczek (PSEGLI).....	<input type="checkbox"/>	<input type="checkbox"/>
Peter Andolena (PSEGLI).....	<input type="checkbox"/>	<input type="checkbox"/>
Tim Lundin (LS Power)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Julia Popova (NRG)	<input type="checkbox"/>	<input type="checkbox"/>
Ricardo Galarza (PSM)	<input type="checkbox"/>	<input type="checkbox"/>
Richard Bratton (IPP NY).....	<input type="checkbox"/>	<input type="checkbox"/>
Khatune Zannat (NPCC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Herb Schrayshuen (NYSRC).....	<input type="checkbox"/>	<input type="checkbox"/>
Amanda De Vito Trinsey (NYSRC)	<input type="checkbox"/>	<input type="checkbox"/>

Vincent Gabrielle (RTO Insider)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Marie French (Politico)	<input type="checkbox"/>	<input type="checkbox"/>
Aaron Breidenbaugh (C Power)	<input type="checkbox"/>	<input type="checkbox"/>
Eve Marenghi (Luminary)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ray Stalter (Luminary)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Michael Lenoff (Earth Justice)	<input type="checkbox"/>	<input type="checkbox"/>
William Sanchez (NYSERDA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rick Gonzales	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Elynor Reyes	<input type="checkbox"/>	<input type="checkbox"/>
Michael Swider	<input type="checkbox"/>	<input type="checkbox"/>
Benjamin Cohen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mackenzie Poulton	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Haizhen Wang.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jared Anderson	<input type="checkbox"/>	<input type="checkbox"/>
Mark Gaines.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kenneth Galarneau.....	<input type="checkbox"/>	<input type="checkbox"/>
John Norris	<input type="checkbox"/>	<input type="checkbox"/>
Leon Almadani.....	<input type="checkbox"/>	<input type="checkbox"/>
Yannick Vennes.....	<input type="checkbox"/>	<input type="checkbox"/>
Stephen Conant	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nilkesh Gowalani	<input type="checkbox"/>	<input type="checkbox"/>
Matthew Schwall	<input type="checkbox"/>	<input type="checkbox"/>
Stephanie Palmer	<input type="checkbox"/>	<input type="checkbox"/>
James Pigeon	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Haff	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Matthew Napoli.....	<input type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman.....	<input type="checkbox"/>	<input type="checkbox"/>
Marisa Doherty.....	<input type="checkbox"/>	<input type="checkbox"/>
Scott Niemann	<input type="checkbox"/>	<input type="checkbox"/>
Vaibhav Parekh.....	<input type="checkbox"/>	<input type="checkbox"/>
Travis Atkinson	<input type="checkbox"/>	<input type="checkbox"/>
Daniel Jerke	<input type="checkbox"/>	<input type="checkbox"/>
Timothy Duffy.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Ryan Martin	<input type="checkbox"/>	<input type="checkbox"/>
Andrew Davis.....	<input type="checkbox"/>	<input type="checkbox"/>
Leonard Ashley (NYSERDA).....	<input type="checkbox"/>	<input type="checkbox"/>
Scott Berthiaume.....	<input type="checkbox"/>	<input type="checkbox"/>
Steve Whitley.....	<input type="checkbox"/>	<input type="checkbox"/>
Derek Hagaman	<input type="checkbox"/>	<input type="checkbox"/>
Caelan Schaefer	<input type="checkbox"/>	<input type="checkbox"/>
Adam Bednarczyk	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adam Fam.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Charlotte Gebhard.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Christopher Jylkka	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

R. Gonzales provided an update on the IRM/TSL working group. They met on March 24 and continued review of 2 items: reduced emergency assistance limits over controllable lines into New York City, and the operational reserves maintained during load shedding. They are also evaluating the impacts of NYC reserves increasing once CHPE is in service. He plans to provide another update at the next ICS meeting.

W. Gunther inquired about the ICF Winter Fuel Constraints Study, which was not on this meeting’s agenda though at last month’s meeting the NYISO planned to return to the topic at this March 31 meeting. His supposition that the topic is being deferred to the April 28 meeting was confirmed.

G. Jordan reminded the ICS that policy calls for the standard error of the Installed Reserve Margin (IRM) being 0.025 of the mean loss of load expectation (LOLE), consistent with a 95% confidence level, but last year (because timely completion could not be guaranteed for the 8,000+ replications that would have been required to achieve it) the requirement was relaxed to 90%, with the end result being 94%. Given that this year is starting from a case that’s not at the 95% criteria, he is recommending to start with the 90% requirement and 2000 replications. The NYISO has studied this and the impact on IRM & LCRs is <0.1%. He plans to provide more detail, including charts, at the next meeting. Policy 5 edits would be required if this proposed change is supported. W Gunther opined that this should be raised to EC’s attention.

No additional agenda items noted.

3. Approval of Previous Meeting Minutes – P. Danner

Meeting minutes for previous meeting #314 were approved with no edits.

4. Review of Action Item List – T. Primrose

T. Primrose highlighted that the main change is on page 2: Evaluate EOP activations now has additional detail regarding focus areas: possible efficiencies from EOP re-ordering (emergency

purchases in relation to voluntary curtailment and public appeals) and recent SCR calls during “normal” operating state.

W. Gunther noted that good progress was being made on the in-progress white papers and inquired as to whether the deferred ELR white paper could be pursued this year. The NYISO answered that they are hoping to wrap-up efforts on the current white papers and shift their focus to production work.

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

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

- EC approved the 2027-2028 IRM milestone schedule
- On March 23 the PSC issued an order approving the 2026-2027 IRM

6. Parametric Improvements Update – D. Riendeau-Krause

D. Riendeau-Krause described how the Parametric Split methodology applies capacity adjustments sequentially to Upstate (Load Zones A-F) and Downstate (Load Zones G-K) regions rather than as a single system-wide adjustment. He then described additional testing the NYISO conducted to further evaluate the impacts of generation resource updates and load forecast updates on parametric process results relative to Tan45 results.

W. Gunther inquired as to why Zone D was chosen for Upstate, and D. Riendeau-Krause replied that it was one of the zones showing the most divergence in prior Tan45 shifts, and so it made sense to test something that was expected to drive divergence.

D. Riendeau-Krause then presented the results of additional testing:

- For load forecast updates, the results indicate that the Parametric Split methodology reduces divergence between parametric results and the corresponding Tan45 results.
- For generation resource updates, the Upstate generation addition reduced divergence, but the Downstate generation addition increased divergence.

Consequently,

- The NYISO recommends adopting the Parametric Split methodology for evaluating load forecast updates starting with the 2027-2028 IRM study
- For generation resource updates, additional investigation on the test case results is needed to inform an initial recommendation.
- For transmission updates, the NYISO recommends maintaining the current parametric methodology

The NYISO plans to finalize its recommendation next month.

7. Maintenance Modeling & Output Factor Curves - Current Methodology – K. O’Hare

K. O'Hare provided a recap of last month's presentation on NYISO's maintenance outage management practices. She then described how the MARS model represents unit-specific forced unavailability using the Generator Transition Rate Matrices (GTRM) to simulate a probabilistic four-state representation of generators using the most recent 5-years of Generator Availability Data System (GADS) data. Events with a 9300 cause code are included in the GTRM unit-specific unavailability modeling, as are planned and maintenance derating event types (D4, DM, and PD). Planned and maintenance outage event types (PO, MO, Etc.) are currently not factored into the MARS GTRM.

K. O'Hare then described how currently in the IRM study, a fixed 50 MW of planned summer maintenance is assumed (split equally among Load Zones J and K), to represent the assumed aggregated maintenance impacts during summer peak conditions, and that this value is reviewed annually.

J. Pigeon inquired as to how this compares to the summer & winter adequacy assessments, and was informed that those studies look at OMS (Outage Management System) and so use a forecast, whereas this process uses the prior year's GADS events.

NYISO will return to a future ICS meeting to review the annual assessment used to inform the current summer maintenance assumptions modeled in the IRM study.

8. Seasonal Topology Update – A. Sealander

A. Sealander reviewed historical changes in emergency thermal transfer limits. She then presented the results of additional analysis requested at the prior ICS to assess the effects of transmission limit increases during the winter months for multiple interfaces. A minimal impact to LOLE (-0.0003) was observed, indicating that higher winter transfer limits did not have a significant effect on LOLE under PBC conditions. The observed results were consistent with analysis presented at the prior ICS.

A. Sealander also presented the results of NYISO tests on the 2026-2027 IRM PBC with all internal NYCA interface transfer limits decreased during the winter period, as well as various tests to assess the potential impact of coincident changes to interface limits based on observations in past NYISO operations studies, planning assessments, and previous seasonal topology testing efforts.

The results indicate that a decrease in the downstate winter interface limits (i.e., reduced flow capability downstate) would not be mitigated by an increase in upstate transmission capability during the winter months. Based on these tests, winter LOLE risk in the 2026-2027 IRM study model was not observed to be materially impacted by increases or decreases in transmission capability during the winter period. As winter risk increases, the NYISO recommends monitoring the effects of seasonal topology updates on resource adequacy metrics as part of the annual PBC development.

T. Primrose suggested that Y49/Y50 and Jamaica Ties may not have been impacted because of a total limit constraint, and A. Sealander replied that they would take another look.

9. Additional Agenda Items

T. Primrose noted that NERC posted materials for their recent Probabilistic Analysis Forum, and referenced his prior distribution of the following links to ICS members:

- [Day 1 Event Page](#)
- [Day 2 Event Page](#)
- [Day 3 Event Page](#)

No other additional agenda items were identified.

Next Meeting

Meeting #316 –Tuesday, April 28th, 2026, 10:00 am–NYISO KCC & MS Teams