

Final Minutes

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

Meeting #306– August 6th, 2025

Microsoft Teams and NYISO KCC

Attendees

Present Phone

Members / Alternates:

William Gunther (Con Edison – ICS Chair)	☒	☐
Brian Shanahan (National Grid)	☐	☒
Rich Bolbrock (Unaffiliated)	☒	☐
Clay Burns (National Grid)	☐	☐
Ruby Chan (CHG&E).....	☐	☐
Richard Wright (CHG&E).....	☐	☐
Sanderson Chery (Con Edison)	☐	☒
Ayman Elkasrawy (NYSEG/RG&E).....	☐	☒
Jin Hao (NYSEG/RG&E)	☐	☐
Jim Kane (NYPA)	☐	☒
Anthony Abate (NYPA)	☐	☐
Mike Mager (MI)	☐	☒
Chris Wentlent (MEUA)	☐	☒
Hilme Athar (PSEG LI)	☐	☒
Thomas Primrose (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)	☒	☐
Mikaela Lucas (GE)	☐	☐
Matt Elkins (GE)	☐	☐
Adam Evans (DPS)	☐	☐

Richard Quimby (DPS)	☐	☐
Randy Monica Jr. (DPS).....	☐	☒
Wes Yeomans (RRS/RCMS)	☐	☐
Kristine Agati (Avangrid).....	☐	☒
Leen Almadani (CHG&E)	☐	☒
Patrick Danner (NYPA).....	☐	☒
Andrea Calo (CES)	☐	☒
Joe Coscia (Potomac Economics)	☐	☐
Mike Cadwalader (Atlantic Economics).....	☐	☒
Grant Flagler (Con Ed Energy)	☐	☒
Karl Hofer (Con Edison)	☐	☐
Mariann Wilczek (PSEGLI).....	☒	☒
Lucy Khazanovich (PSEGLI)	☐	☐
David Mirabella (PSEGLI)	☐	☐
Manny Panaligan (PSEGLI).....	☐	☐
Mark Magliola (PSEGLI)	☐	☐
Tim Lundin (LS Power)	☐	☒
Julia Popova (NRG)	☐	☒
Ricardo Galarza (PSM)	☐	☐
Richard Bratton (IPP NY).....	☐	☐
Khatune Zannat (NPCC)	☐	☐
Herb Schrayshuen (NYSRC).....	☐	☐
Vincent Gabrielle (RTO Insider)	☐	☒
Rick Gonzales	☐	☒
Caroline Decker	☐	☒
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.....	☐	☐
Ray Stalter.....	☐	☒
Alan Ackerman.....	☐	☒
Marisa Doherty	☐	☒
Scott Niemann	☐	☒
Vaibhav Parekh.....	☐	☒

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

No additional agenda items identified.

3. Approval of Previous Meeting Minutes – T. Primrose

Meeting minutes for previous meeting #305 were approved with no comments.

4. Review of Action Item List – W. Gunther

W. Gunther highlighted two changes to action items:

- 299-2: Reflects request to develop sensitivity case to monitor the impact of regional correlated outages from renewable resources.
- 305-1 (recorded and completed): Evaluate potential to reduce MARS replications while meeting statistical error criteria. Completed by G. Jordan with the conclusion that Policy 5 does allow for reduction in number of replications.

R. Bolbrock raised the need for action item to review how schedule/timing may be adjusted in light of difficulties meeting 4 day posting rule.

5. Chair update on recent EC actions – W. Gunther

W. Gunther provided an update on the EC covering the following:

- EC approved assumptions matrix for PBC.
- EC approved 2026 ICS meeting schedule.
- EC expressed significant interest in large loads during the last meeting.

6. IRM PBC 2026-2027 Tan45 Results – H. Fox

H. Fox presented the IRM PBC Tan45 Results:

- 2026-2027 PBC Result 27.3% IRM, 80.6% NYC, 89.7% LHV, 106.9% LI
- Incorporation of the BTM solar and enhanced load modeling improvements increased the IRM year-over-year due to increased variability of BTM solar generation shapes
- Incorporation of CHPE into the model increases the Load Zone J and G-J Locality LCRs due to the increase in the modeled capacity in those regions and CHPE availability assumptions.
- Incorporation of winter fuel availability constraints places upward pressure on the IRM
- Sensitivity Case 6: Tan45 No Winter Fuel Availability Constraints Tan45 Result of 25.5% IRM, 79.6% NYC, 89.0% LHV, 107.4% LI
- Sensitivity Case 7: Tan45 Alternate assumption (CHPE out-of-service + Barges in-service) Tan45 Result of 26.6% IRM, 77.4% NYC, 87.4% LHV, 108.9% LI
- Standard error criteria was met at 1,865 replications.

M. Mager expressed surprise at the magnitude of increase in the Tan45 analysis relative to the parametric analysis pointing to possible limited utility of the parametric results. Also expressed a concern that the IRM impact of assumptions changes needs to be accurately conveyed to the EC for decision making purposes.

R. Bolbrock expressed the need to not focus on IRM impact when evaluating model changes for inclusion.

G. Jordan concurred with M. Mager and R. Bolbrock and commented that because we are now including winter risk, we are adding capacity because the design criteria has effectively been .1 days/summer until now. Also expressed that fuel availability may change over time with changes in political climate. NYISO added that current constraints are pipeline limitations rather than supply limitations, but that they have engaged a consultant to study future policy/pipeline buildout impacts.

M. Mager and R. Gonzales noted that the J plots provided this year with overlaid Tan45 curves facilitates better understanding of how assumptions changes shifted Tan45 curves.

W. Gunther noted that stakeholders have previously discussed possible combination impacts between CHPE and fuel constraints (M. Younger specifically). Also expressed that alternative assumptions could have caused different winter risk levels than what is shown since ICS used an estimate rather than elections, and does not model winter maintenance.

R. Gonzales expressed interest in seeing a Tan45 case with CHPE and the barges in service. W. Gunther noted that the barges have submitted their deactivation notices and more information should be available from the Q3 STAR before the FBC.

W. Gunther asked how the 27.3% IRM compares to expected resources. NYISO indicated that the system margins are tight and CHPE helps.

7. IRM PBC 2026-2027 Tan45 Points and Curves - H. Fox

H. Fox presented the IRM PBC Tan45 Points, curves, EOP implementation frequency and SCR calls by month.

G. Jordan requested for future editions of this document to show the breakout of winter and summer risk.

M. Cadwalader pointed out that large differences in X and Y axis scaling on plots makes Tan45 points hard to visually interpret.

8. IRM 2026-2027 PBC Parametric Results– H. Fox

H.Fox presented an update for the IRM 2026-2027 PBC Parametric Results covering the following:

- Material Changes: CHPE Inclusion, Barge Deactivations, Winter Fuel Availability Constraints, Load Forecast Uncertainty, External Data + Policy 5 Adjustments
- Parametric result stands at 25.74% IRM, 83.62% NYC, 92.51% LHV, 109.22% LI

W. Gunther suggested completing the analysis of significant modeling changes earlier in the process to provide the EC additional time to weigh changes. NYISO agreed in principal but indicted in this case the firm fuel constraints required the updated MARS version and the CHPE assumption was finalized last month.

9. 2024 Summer Maintenance Analysis Presentation– J. Adams

J. Adams presented an analysis on 2024 Summer Maintenance covering the following:

- Total of 447 recorded GADS maintenance events initially identified for this analysis, 376 events remained after removing events with transmission limitation cause codes.
- Approximately 7% out of the 376 events reviewed impacted days when gross loads exceeded 28,000 MW.
 - MWS on maintenance averaged 362.7MW for these days
- 294 or 78.2% of the total events reviewed occurred in Zones J & K.
 - Some events are condenser tube and water box cleaning events that occur in the middle of the night. Removing these events leaves 2/3rds of events in Zones J & K.
- Resuming modeling of planned maintenance in IRM studies should be a high priority for the next IRM study cycle.

C. Wentlent asked for information regarding winter maintenance outages since the model now shows winter risk as well. W. Gunther agreed and added that there needs to be a distinction between firm and non-firm fuel units on maintenance.

G. Jordan pointed out the large discrepancy between 2024 observe maintenance and modeled summer maintenance. J. Adams agreed and noted that a long term solution may be modeling maintenance as part of the EFORD/Transition Matrices.

T. Primrose expressed a need to increase planned maintenance levels from the current threshold of 50 MW evenly split between Zones J/K in light of 2024 data. C. Wentlent added that this topic should be brought to the EC as a topic that needs future analysis. W. Gunther agreed to bring the topic up at the EC.

NYISO noted that maintenance may be reduced during peak load periods through a combination of reliability analysis by operations and outage recalls.

10. 2026-2027 IRM PBC Proposed Sensitivity Cases (Approval Item) – A. Altaf

A. Altaf presented a list of proposed sensitivity cases for the 2026-2027 IRM PBC. Standard annual sensitivities include NYCA Isolated, no internal NYCA transmission constraints, no LFU, No wind capacity (all wind), and no SCR capacity. Base case assumptions change sensitivities include no Winter Fuel Availability Constraints (Tan45), and CHPE + Barges Alternative Assumptions (Tan45).

W. Gunther asked about plans for sensitivity on regionally correlated outages. NYISO responded that it will be part of the FBC.

G. Jordan raised interest in sensitivity case with CHPE and the barges in service. NYISO will add this to the list (I.E. sensitivity 7 “b”).

ICS approved the PBC Proposed Sensitivity Cases with one discussed change to add 7 “b”.

11. Champlain Hudson Power Express (CHPE): Installed Capacity Market Integration Considerations- Updated Proposal – M. Sainani

M. Sainani (NYISO Capacity and New Resource Integration Market Design) provided a presentation on CHPE ICAP Market considerations covering the following:

- Recap of July 10th ICS presentation on CHPE ICAP Market Integration Considerations and initial proposal
- Various updates to proposal presented on July 10th including:
 - Conditions for identifying triggering resource
 - Updates to “milestone requirement” for submitting a notice of intent to participate in the ICAP market
 - Changes to advance notice requirements for ICAP market participation of triggering resource
- Next steps including:
 - August/September 2025- Finalize proposal and associated tariff revisions in the NYISO stakeholder process
 - September 2025- Seek approval of proposal in the NYISO stakeholder process
 - Continue to collaborate with NYSRC on the assumptions for the 2026-2027 IRM study

Stakeholder discussion ensured about various permutations of market parameters and in-service milestones of CHPE.

M. Mager asked for clarification on when the EC needs to finalize decisions on CHPE. NYISO replied that FBC approval is scheduled for the October EC meeting.

G. Jordan asked if preliminary TSLs will be available in time to make decisions on FBC. NYISO indicated they will be.

12. IRM 2026-2027 PBC Assumptions Matrix (Revised)- D. Zhang

D. Zhang presented an update for the IRM 2026-2027 PBC assumptions matrix. One revision is that calculated/modeled values for fuel constraints differ slightly from what EC approved, but the model assumptions are aligned with the framework/calculation process that was agreed upon.

ICS re-approved the PBC assumptions matrix including the aforementioned administrative change.

13. Additional Agenda Items

No major additional agenda items identified.

G. Jordan requested a summary of the various base-cases inclusive of representative TSL values for those sets of system conditions.

ICS Cancelled August 26th meeting and will meet again on September 3rd.

Next Meeting

Meeting #307 –Wednesday, September 3rd, 2025, 10 am –NYISO KCC and MS Teams