

Final Minutes

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

Meeting #292 – August 30th, 2024

Microsoft Teams

Attendees **Present** **Phone**

Members / Alternates:

William Gunther (Con Edison – ICS Chair)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brian Shanahan (National Grid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rich Bolbrock (Unaffiliated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid).....	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>
Chris Wentlet (MEUA).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mark Younger (Hudson Economics)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Athar Hilme (PSEG LI).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Thomas Primrose (PSEG LI).....	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>
Yvonne Huang (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Otito Onwuzurike (NYISO)	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Timothy Duffy (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Madeline Mohrman (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Abdul Mohammed (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brendan Long (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Liam Baker.....	<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 type="checkbox"/>
Kristine Agati (Avangrid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Majdi Baccouche (NYSEG/RG&E).....	<input type="checkbox"/>	<input type="checkbox"/>
Leen Almadani (CHG&E)	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>
Grant Flagler (Con Ed Energy)	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>
Julia Popova (NRG).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ricardo Galarza (PSM)	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>
Christina Duong.....	<input type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Elynor Reyes.....	<input type="checkbox"/>	<input 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 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 type="checkbox"/>
Kathleen O’Hare.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jie Chen	<input type="checkbox"/>	<input type="checkbox"/>
Michael Swider.....	<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 type="checkbox"/>
Leon Almadani	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lucy Khazanovich	<input type="checkbox"/>	<input type="checkbox"/>
Mackenzie Poulton	<input type="checkbox"/>	<input type="checkbox"/>
Richard Bratton (IPP NY)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Josef Figueroa	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Arjun Malhotra.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Leila Nayar.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mackenzie Poulton	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sanketmilind Ulagadde	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vincent Gabrielle.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Victoria Swider (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

- No additional Agenda items. Discussed the timing of the November ICS meeting and possibly changing it as its currently scheduled for the day before Thanksgiving.

3. Approval of Minutes for Meeting #291

- Meeting minutes for previous meeting #291 were approved with comments incorporated, mainly a few items carried forward from previous meeting.

4. Review of Action Item List – W. Gunther

- List is unchanged from previous meeting.

5. Chair update on recent EC actions

- EC approved PBC.
- Sensitivity list presented to EC with no objections or recommendations.

6. Dover PAR - Topology Update – A. Mohammed

NYISO presented updated topology for the 2025/26 IRM: West Central reverse limit & Central East forward limit as well as the Dover PAR status.

- With the Dover PAR expected in service in June 2025, the NYISO will use an UPNY/SENY transfer limit of 7,150 MW reflecting all components of the Segment B portion of the AC Transmission being in service for the 2025-2026 IRM.

7. Final SCR Model Values – M. McColgan

NYISO presented a review of the data sets that are used including background on calculating response rates, duration limits and translation factors. Additional inputs to be used this year, 2025, include 2022-2023 and Summer 2023 SCR Performance Test hours, a total of 2 hours. The data set for 2025 consists of All event hours, by zone, from mandatory events from Summer 2012 through Summer 2022. SCR Event hours ranged from 20 event hours for Zone A to 82 event hours for Zone K. These were used in calculating the zonal response rates and ACL to CBL translation factors.

Changes in enrollment and Declared Values result in the following Max Modeled Capacity in MW.

Capacity Region	Final (MW)	Preliminary (MW)	Difference (MW)
A-E	732.0	556.3	175.7
F	93.7	112.1	-18.4
G-I	76.1	71.0	5.1
J	355.7	328.5	27.1
K	23.3	26.9	-3.6

8. Final Parametric Results IRM 2025-2026 PBC – A. Mohammed

NYISO presented Final PBC parametric results reflecting the updated topology for the 2025/26 IRM: West Central reverse limit & Central East forward limit as well as the Dover PAR status. The Final PBC Parametric result was an IRM of 25.06 with a Zone K LCR of 104.50. The largest individual contributors were the EOP Call Limit, New Generation per Gold Book and EA modeling for the PJM HVDC cables.

9. IRM 2025-2026 Tan45 PBC Results – H. Fox

NYISO presented the PBC Tan45 results to ICS. Relative to the 2024-2025 IRM FBC, the 2025-2026 IRM PBC exhibited a modest increase to the IRM and Load Zone K LCRs, together with a significant increase in the Load Zone J LCR. The major changes impacting the results are additional intermittent solar generation located upstate, a reduction in load relief from EOPs, refined Emergency Assistance assumptions from PJM for the downstate region, and updated cable outage rate.

- The increase in the Load Zone J LCR is driven by limiting relief from Emergency Assistance and updated EOP and cable outage rate assumptions.
- The Load Zone K LCR declined due to network benefits from additional capacity needed in Load Zone J.

- The increase in the IRM is driven by additional intermittent solar generation along with updated EOP limitations.

Results	2024-2025 IRM Final Base Case (FBC)	2025-2026 IRM PBC	Delta	
IRM	23.1	23.6	0.5%	
Load Zone J	72.7	76.0	3.3%	
Load Zone K	103.2	102.5	-0.7%	
G-J Locality	84.6	87.5	2.9%	
NYCA EOP (Days/Yr.)	8.1	7.4	-0.7	
Case	Loss of Load Expectation (LOLE)	Hourly Loss of Load Expectation (LOLH)	Normalized Loss of Energy Expectation or LOEE (Expected Unserved Energy or EUE) *Simple Method* ppm	Normalized LOEE (EUE) "Bin Method" ppm
2024-2025 IRM FBC	0.100	0.377	1.478	1.331
2025-2026 IRM PBC	0.100	0.386	1.554	1.386

10. IRM 2025-2026 Tan45 PBC Points/Curves – H. Fox

NYISO presented the completed PBC Tan45 points and curves in support of the IRM/LCR results. The number of EOP calls was also presented and were in-line with past results.

11. Proposed Sensitivities for IRM 2025-2026 PBC – S. Ulagadde

No changes since the previous ICS meeting. Sensitivities were presented to the previous EC meeting with no comments received on case selection. A single sensitivity (4), is to be used for a loss of wind in general. The winter gas constraints sensitivity (5) and a BTM Solar sensitivity (6) will be Tan45 results. ICS approved the Sensitivity list per the Milestone schedule and will be presented to the next EC for approval.

12. Summer Maintenance Analysis – J. Adams

- Mr. Adams presented a review of the previous summer’s maintenance events for use in this year’s IRM (Daily MW on maintenance for daily summer peak loads greater than 28,000 MW. Events with a cause code of 9300 (transmission limitations) were removed.
 - The reported/metered summer peak load for 2023 was 28,722.9 MW or 0.914 per unit of the weather normalized summer peak versus a summer peak of 30,505 MW in 2022 or 0.962 p.u.
 - A total of 485 maintenance events were reviewed for the period May 31 through mid-September.
 - 403 or 83.0% of the total events reviewed occurred in Zones J&K.
 - 2023 was a relatively cool summer, the review of the 2023 GADS summer maintenance events does not provide any basis to suggest that 50 MW summer maintenance assumption (25 MW in J and 25 MW K) needs to be adjusted.

13. Additional Agenda Items

None.

Next Meeting

Meeting #293 –Wednesday, September 4th, 2024, 10 am – NYISO KCC