

Draft Minutes

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

Meeting #311– November 24th, 2025

Microsoft Teams

Attendees	Present	Phone
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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 type="checkbox"/>
Caroline Decker (CHG&E)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sanderson Chery (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ayman Elkasrawy (NYSEG/RG&E)	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Mike Mager (MI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Wentlent (MEUA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hilme Athar (PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Thomas Primrose (PSEG LI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike DeSocio (Luminary)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Advisers/Non-member Participants:

Gary Jordan (ICS Consultant)	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Max Schuler (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Yvonne Huang (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bianca Prinsloo (NYISO)	<input checked="" type="checkbox"/>	<input 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 checked="" 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Pallavi Jain(NYISO)	<input type="checkbox"/>	<input 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 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 checked="" type="checkbox"/>
Yi-An Chen (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Ross Altmann (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Raj Dontireddy (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dominic Riendeau-Krause (NYISO)	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>
Richard Quimby (DPS)	<input type="checkbox"/>	<input type="checkbox"/>
Randy Monica Jr. (DPS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wes Yeomans (RRS/RCMS)	<input type="checkbox"/>	<input type="checkbox"/>
Kristine Agati (Avangrid).....	<input type="checkbox"/>	<input type="checkbox"/>
Leen Almadani (CHG&E).....	<input type="checkbox"/>	<input type="checkbox"/>
Andrea Calo (CES)	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>
Manny Panaligan (PSEGLI).....	<input type="checkbox"/>	<input type="checkbox"/>
Mark Magliola (PSEGLI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mariann Wilczek (PSEGLI).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Peter Andolena (PSEGLI)	<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 type="checkbox"/>
Ricardo Galarza (PSM)	<input type="checkbox"/>	<input type="checkbox"/>
Richard Bratton (IPP NY).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Khatune Zannat (NPCC)	<input type="checkbox"/>	<input type="checkbox"/>
Herb Schrayshuen (NYSRC).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Amanda De Vito Trinsey (NYSRC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vincent Gabrielle (RTO Insider)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Marie French (Politico)	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>
William Sanchez (NYSERDA)	<input type="checkbox"/>	<input type="checkbox"/>
Rick Gonzales	<input type="checkbox"/>	<input type="checkbox"/>
Elynor Reyes	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>
Kenneth Galarneau.....	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>
Stephanie Palmer	<input type="checkbox"/>	<input type="checkbox"/>
James Pigeon	<input type="checkbox"/>	<input 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 checked="" 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 type="checkbox"/>
Ryan Martin	<input type="checkbox"/>	<input type="checkbox"/>
Andrew Davis.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Leonard Ashley (NYSERDA).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Scott Berthiaume ☐ ☒

Steve Whitley..... ☐ ☒

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

No additional agenda items noted.

T. Primrose noted that he will be circulating the 2026 NYSRC Code of Conduct as well as conflict disclosure forms to ICS members.

3. Approval of Previous Meeting Minutes – T. Primrose

Meeting minutes for previous meeting #310 were approved with no edits.

4. Review of Action Item List – W. Gunther

W. Gunther highlighted the following changes to action items:

- 220-1: W. Gunther confirmed with the TOs that no such appeals were made in 2025.
- 299-2: Covered by agenda item 9 at ICS 311
- EC312-1: Initial exploration covered by additional agenda item at ICS 311, ICS will provide a complete report to the EC in January.
- Fuel availability constraints whitepaper approved by EC
- Tan45 whitepaper covered by presentation at ICS in November
- ELR whitepaper marked as ICS approved will proceed to 12/5/25 EC meeting

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

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

- EC approved exception to allow for 90% confidence interval in place of 95% confidence interval for this IRM cycle
- EC approved special sensitivity setup as constructed by ICS
- EC approved ICS goals as part of overall reliability council goals
- EC approved IRM report tables 6 & 7
- EC approved fuel availability constraints whitepaper

6. IRM FBC Masked Database TO Review– W. Gunther

W. Gunther and T. Primrose noted that ConEd and PSEGLI respectively were able to replicate the 0.100 LOLE result with the masked database. Neither TO found data issues on review.

7. Special Sensitivity Tan45 Presentation (Approval Item)– H. Fox

H. Fox provided an update on the FBC special sensitivity. He covered the following:

- Background on resource modifications for the special sensitivity from the FBC
 - Zone J additions (512.9 MW): Gowanus 2-1 – 2-8, 3-1 – 3-8, with exception of Gowanus 3-6, Narrows 1-1 – 1-8, 2-1 – 2-8, with exception of Narrows 2-1, and 2-7
 - Zone K additions (204.4 MW): Far Rockaway GT1 and GT2, Glenwood GT3, Shoreham IC1
 - Zone A removals (126.5 MW): Cassadaga Wind
- Tan45 results for the FBC special sensitivity and comparison to the 2026-2027 IRM FBC

Case	IRM	Zone J LCR	Zone K LCR	G-J LCR	Summer LOLE	Winter LOLE	EOP Calls
	%	%	%	%	%	%	Days/Yr
2026-2027 IRM FBC (Special Sensitivity)	25.6%	79.8%	107.5%	89.2%	85.2%	14.8%	6.2
2026-2027 IRM FBC	25.3%	79.2%	106.7%	88.8%	86.0%	14.0%	6.3
2026-2027 IRM PBC	27.3%	80.6%	106.9%	89.7%	86.2%	13.8%	7.5
2025-2026 IRM FBC	24.4%	75.6%	107.3%	86.9%	100.0%	0.0%	7.0

- Discussion of changes in Tan45 curves for Load Zones J/K
- NYISO support of adoption of the Special Sensitivity Case as the final case assumptions for the 2026-2027 IRM study.

W. Gunther noted that the ask of ICS is to make a technical recommendation on replacing the FBC with the FBC special sensitivity.

M. Mager asked if the NYISO recommendation to adopt the special sensitivity as the final base case assumptions means the NYISO believes the NYC barges and CHPE will be in operation in 2026. Y. Huang indicated uncertainty around the exact timing of the CHPE in-service date and that the barges would likely still be in service in July based on the timing of their deactivation notice. NYISO determined the barges deactivation notice was completed on 7/14/25 with an intended retirement date of 7/14/26. Y. Huang indicated that NYISO does not know how the current solicitation will play out and cannot comment. Y. Huang also indicated that the NYISO would develop separate sets of LCRs and CAFs for before and after CHPE comes into service. Y. Huang indicated that the Special Sensitivity Case would work better for subsequent market parameters as it allows the barges to remain for the CHPE out-of-service case. M. Mager followed up to emphasize that his concern is from a reliability base case perspective and ease of developing market parameters is an ancillary concern. G. Bissell indicated that NYISO has posted a solicitation highlighting the potential need for resources >600 MW for 2026 and that NYISO will not have a full answer in time for this IRM study. The Special Sensitivity Case examines the magnitude of the solicitation and potential capacity that might be included in the model and is responsive to those needs.

Lengthy stakeholder discussion occurred in which various stakeholders asked permutations of questions aimed at understanding what combination of CHPE and/or the NYC barges will be in service in 2026. NYISO reiterated that they cannot comment on hypotheticals when there is an open solicitation. M. DeSocio ultimately reframed the question as, “is it true CHPE by itself does not solve the reliability need Identified in the Q3 STAR?” R. Altman indicated there is still a need in the outer years of the STAR study with CHPE, 68 MW in 2029 and growing slightly in 2030.

M. Lenoff asked about the difference between the FBC and Special Sensitivity cases after removing CHPE before it comes into service per NYISO’s triggering resource methodology. H. Fox indicated no comment on the market implications of those scenarios and D. Zhang referenced alternative market parameters but said it is complicated. In those cases, the IRM could be lower but carries the risk that when you reintroduce CHPE in the model, the LOLE is worse than 0.1. Thus, the NYISO thinks it is important to present a case with CHPE in, which is true for both the FBC and the Special Sensitivity.

W. Gunther indicated that per the ICS Milestone Schedule, the Special Sensitivity is an ICS approval item, and the motion is to make a technical recommendation to the EC to replace the current FBC with the Special Sensitivity Case. He noted that ICS typically operates on a consensus basis and that members may not have had time to fully review the meeting materials given some postings were less than the required 4-day window. He asked if anyone would prefer more time to align internally and

to defer the vote to the EC. M. Mager and T. Primrose expressed concern about the timing and that they might have additional questions T. Primrose was in favor of deferring this question to the EC. M. DeSocio suggested the Special Sensitivity Case is the most likely outcome for next summer, given solicitation timing. G. Jordan and C. Wentlent suggested that ICS should hold a poll, so the EC knows what ICS thinks. In the ensuing poll, W. Gunther, M. Mager, C. Wentlent, T. Primrose, R. Bolbrock, B. Shanahan, and A. Elkasrawy all abstained with the sole affirmative view being R. Bratton for IPPNY. Central Hudson and NYPA representatives did not respond.

8. Special Sensitivity Tan45 Points and Curves (Posting Only)

9. Offshore Wind in Neighboring Systems- B. Prinsloo

B. Prinsloo presented an analysis of correlated offshore wind resources in neighboring regions covering the following:

- Background from NYSRC EWWG work on wind “lull events” and correlation coefficients for NYISO and ISO-Ne offshore wind
- Background on units modeled in the 2026-2027 IRM FBC: South Fork Wind (138 MW) in NYCA (Load Zone K), Vineyard Wind (855 MW) in ISO-NE, and Revolution Wind (715MW) in ISO-NE
- Impact analysis of using NYISO offshore wind profiles for ISO-NE units showing non-material IRM impact of .025% on 2026-2026 IRM FBC Special Sensitivity
 - IRM FBC Special Sensitivity: 25.6% IRM
 - IRM FBC Special Sensitivity + Correlated Profiles: 25.625% IRM

10. Impacts of TSL Floor – D. Zhang

D. Zhang presented an Impact Assessment of 2026-2027 Transmission Security Limit (TSL) Floor Values covering the following:

- Background on the Tan45 process and relation to the downstream NYISO LCR determination process and incorporation of TSL floors.
- Background on 2026-2027 TSL floor values (TSL Floors) and recommended methodology updates for 2026-2027
 - NYISO presented the recommended 2026-2027 TSL floor values (TSL Floors) to the ESPWG/ICAPWG on November 20, 2025.
 - Updated methodology includes the use of non-coincident load forecasts in determining Locality-specific UCAP requirements and the inclusion of outages related to 9300 code events in determining Locality-specific 5-year derating factor values used for UCAP-to-ICAP conversions.

Case	G-J LCR	Zone J LCR		Zone K LCR
		CHPE- In	CHPE-Out	
Final TSL Floors-Special Sensitivity	82.5%	86.4%	82.6%	110.3%
Final TSL Floors-FBC	82.1%	85.8%	82.0%	109.6%

- The updated 2026-2027 TSL Floors for Load Zone J and Load Zone K are higher than the MLCRs of the 2026-2027 IRM FBC and Special Sensitivity Case.
- Impact of TSL Floors on LOLE and IRM

Case	IRM	Zone J LCR	Zone K LCR	G-J LCR	LOLE
	%	%	%	%	Days/yr
2026-27 IRM FBC	25.3%	79.2%	106.7%	88.8%	0.100
2026-27 IRM FBC+TSL Floors (CHPE-In)	25.3%	85.8%	109.6%	82.1%	0.073
2026-27 IRM FBC Alternative IRM+TSL Floors (CHPE-In)	23.7%	85.8%	109.6%	82.1%	0.099
2026-27 IRM Special Sensitivity	25.6%	79.8%	107.5%	89.2%	0.100
2026-27 IRM Special Sensitivity+TSL Floors (CHPE-In)	25.6%	86.4%	110.3%	82.5%	0.074
2026-27 IRM Special Sensitivity Alternative IRM+TSL Floors	24.0%	86.4%	110.3%	82.5%	0.100

- To identify the potential LOLE impact of the TSL Floors, the NYISO set the MLCRs to the applicable TSL Floors and the IRM at the Tan45 result to calculate the resulting LOLE.
- To identify the potential IRM impact of the TSL Floors, the NYISO set the MLCRs to the applicable TSL Floors and allowed the program to lower/raise the IRM until the 0.100 loss of load event-days/year criterion was met.
- NYISO's impact analysis indicates that the IRM could be potentially reduced by 1.6% from the applicable study-determined value and continue to meet the LOLE criterion if the NYISO-determined LCRs were set at the TSL Floors.

M. Cadwalader noted that the change to include 9300 codes in the derating factor calculation may include probabilistic transmission contingencies on top of deterministic (N-1-1 or N-2) transmission contingencies used in calculation of the Bulk Power Transmission Limit. R. Altmann replied that the use of the 9300 code derates does not represent a contingency but represents a look at generator availability and that the NYISO believes they represent part of a credible combination of system conditions.

M. DeSocio asked for a breakdown of summer/winter LOLE results for the Tan45 analysis. Also asked if NYISO can provide EUE data for the impact analysis cases. NYISO replied that they will.

M. Lenoff asked if NYISO has a recommendation on what the EC should do with this impact analysis. NYISO replied that they do not have a recommendation and just want to provide information. Also asked if NYISO publishes how much capacity is removed to achieve 0.100 LOLE criteria. Y. Huang noted that the IRM report has published this information for the FBC.

R. Gonzales asked for background on the lookback period for the forced outage rates in the TSL calculation. NYISO replied that it is a 5-year lookback based on calendar years 2020-2024, and that it is not specific to any period of high load or high risk. Also clarified that this window may include periods where transmission owners are allowing planned outages to occur. NYISO added that TSL dataset uses NYISO data and reliability planning processes use NERC dataset.

M. Mager commented that the NYISO has added two levels of conservatism to the TSL in this process. He noted that "clearly reasonable minds can differ in calculation of the TSL" but that the timing of this change and lack of forewarning is deeply concerning, noting that this issue was not raised at the November 14th EC meeting. He added that there was collaboration between NYISO and NYSRC following a similar issue two years prior, and that this parallel situation is occurring on an even tighter timeline.

M. DeSocio commented that he shares M. Mager's concerns with the timing of this change, but that he believes it is important that the NYISO is pursuing alignment in their planning studies.

T. Primrose added that he is also deeply concerned with timing of this change, and that NYISO had opportunities to provide notice to the NYSRC between the Q3 STAR and ICS 311. Y. Huang noted that the NYISO presented initially finalized TSL floor, during which stakeholders were invited to provide

feedback on the calculation and in recognition of the Q3 STAR results package. She added that the November 10th needs solicitation provided concrete numbers on the magnitude of need and helped inform what and where changes needed to be made. Also emphasized NYISO efforts to bring this issue forwards for transparency. M. Cadwalader followed up to note that 10/28 presentation on TSL floor was titled “2026-2027 Final TSL Floor Values” and that next steps of that presentation do not indicate further TSL revisions. M. Mager noted that he asked at two separate NYSRC EC meetings if the TSL floors would exceed the LCRs by a great degree and the NYISO assured him that they would not. M. Cadwalader interjected that this situation is even worse than two years ago due to the timing of the IRM vote.

S. Whitley noted the disconnect between the TSL floor calculation being structured around a peak day but using forced outage rates based on whole calendar year data. NYISO replied that the forced outage rates are a probabilistic view of generator availability.

M. Lenoff noted concern about difficulty in discerning actionable reliability needs from NYISO planning studies and that uncertainty in planning can deter investment.

M. DeSocio noted support for the updates to the TSL calculation, despite reservations about the process. He emphasized that the end goal is focusing on how we get to a place where we ensure the electric system remains reliable over the next year or so.

R. Gonzales asked for insight on certainty in respect to planning rules in the near future following recent changes following the 2025-2034 CRP and 2025 Q3 STAR. He asked for an IRM impact analysis of the current TSL methodology relative to the proposed TSL methodology including non-coincident peak and 9300 codes. R. Altmann noted that he believes the proposed changes make sense for achieving alignment and that there is more certainty for the near term but little certainty in long term rules changes.

M. Schwall asked for a specific date when the TSL floors are final. NYISO replied that the methodology is final and will not change. M. Mager asked NYISO to clarify that the methodology will not change, and that the only open factor is whether the FBC or FBC special sensitivity is adopted. NYISO confirmed that this is the case.

T. Primrose asked if the OC can reject the changes to the TSL methodology. Y. Huang clarified that the OC can approve or disapprove the final LCR study, adding that the final LCR study is a package of information including the TSL changes presented. She added that the overall package is up for approval at the January 15th OC. M. Schwall asked if that is an advisory vote or if OC approval is required. NYISO replied that it is not an advisory vote. C. Wentlent asked for clarification on if the OC is voting for the LCR numbers or the methodology that went into it. NYISO replied that the OC is being asked to approve the whole package of results that go into the LCR study: “the request for OC is to approve the study report and its results all of which is a culmination of the inputs that went into it”. M. Mager noted that that it is a practical impossibility for the OC not to approve the LCR study based on history and need for higher LCRs to maintain 0.100 LOLE if the EC approves an IRM lower than the study result. T. Primrose noted that he shared the same concern of “boxing in” the result.

11. Firm Fuel Characteristic Elections – P Jain

P. Jain presented a summary of the 2026-2027 Firm Fuel Characteristic Elections covering the following:

- Background on ICAP supplier firm fuel Capacity Accreditation Resource Class (CARC) and MW amount (Firm Fuel Characteristic Election).

- Capability year Firm Fuel Characteristic Election deadlines
 - November 1, 2025 for 2026-2027 capability year
 - August 1, 2026 for 2027-2028 capability year

M. Mager asked for clarification on Zone F firm fuel elections. The NYISO replied that Zone F was included in fuel constraints for IRM study so firm and non-firm fuel generators in Zone F could see different CAF values. He noted surprise at the high level of elections for the 2026-2027 capability year. He asked if the results were in line with NYISO's expectations. P. Jain indicated NYISO had not yet finalized how these elections compare with the model assumptions, but this is on the agenda for January.

A. De Vito Trinsey asked if NYISO has an audit mechanism for firm fuel election to confirm that resources are in fact firm. NYISO replied that there is a performance provision and applicable penalties, but that there is not a confirmation process per se. Also noted that the ICAP manual has significant details on operating requirements for firm fuel.

R. Bolbrock asked if the firm fuel designation includes firm transportation. P. Jain indicated that it does include transportation because the NYISO's election process considers both available gas and oil. R. Bolbrock expressed surprise at the high firm election percentages given inclusion of firm transportation. M. Mager indicated that many of his large customers report that they cannot get firm gas transportation contracts. P. Jain indicated that NYISO does not investigate if generators have firm contractual arrangements but require that generators have a plan to work toward having sufficient fuel to meet the obligation when making the election. H. Nielsen (NYISO legal) added that there is a requirement to have the operating plan and all fuel and transportation agreements in place by 12/1 and there are penalties associated with that as well as potential referral to FERC. There can also be review as the MMA does to confirm that the obligations have been met.

G. Jordan inquired about elections relative to modeled fuel constraints. NYISO noted that elections preliminarily appear to be in line with Tier 5, but expressed caution in comparing the numbers as the market is a binary election but the model is a probabilistic constraint with tiers representing different weather constraints. G. Jordan indicated fuel constraints is a large part of what is driving the IRM result.

12. IRM Study 2026-2027 Technical Report Draft – G. Jordan

G. Jordan provided an overview of the draft IRM Study 2026-2027 Technical Report. He covered the redline of the report, noting that the major change for this draft is inclusion of the special sensitivity and discussion on number of iterations and confidence levels. Section 7 was added on the Special Sensitivity Case, and the sensitivity table was updated with the Special Sensitivity Case as Sensitivity 8.

M. Mager asked about the disposition of the current final base case if the special sensitivity is adopted as the final base case. G. Jordan noted that the report will not substantially change, but a section will be added to clarify the change.

M. Lenoff asked if the document should be designated draft. W. Gunther indicated it is a draft and subject to EC revision. G. Jordan asked about updating the posted ICS copy and H. Schrayshuen indicated it should remain the copy shown at the meeting for version control. H. Schrayshuen and A. De Vito Trinsey indicated that the final IRM report and appendices will be filed as part of the final IRM package with the FERC for approval and the PSC for information. As such, the report and appendices need to be completed with any EC requested changes in the week after the 12/5 EC meeting to allow time for the filings.

ICS approved the IRM Study 2026-2027 Technical Report Draft subject to pending updates for the special sensitivity and discussion on the final approved IRM (if voted lower than the final study result).

13. IRM Study 2026-2027 Report Appendices – J. Adams

J. Adams provided an overview of the draft IRM Study 2026-2027 Report Appendices. He noted that major updates since the appendices were last presented include standard error calculation and a definition of the IRM and net peak load. Also noted that information around EOPS was significantly expanded and a section on EUE heatmaps was added.

ICS approved the IRM Study 2026-2027 Report Appendices as modified with the acknowledgement that additional content on the Special Sensitivity Case may be added per EC discussion.

14. Additional Agenda Items

No major additional agenda items identified.

W. Gunther noted that if the EC approved an IRM lower than the IRM study result there will be a conference call to discuss the special alignment study.

Next Meeting

Meeting #312 –Wednesday, January 7th, 2026, 10:00 am–MS Teams