

Agenda Item 4.1: ICS Report to NYSRC Executive Committee (EC)
August 25, 2026 & September 2, 2026 ICS Meetings #320 & 321
Prepared for: September 11, 2026, EC Meeting #329
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ICS 320

4.1.1 IRM PBC Tan45 Results

ICS discussed the TO data quality assurance review of the 2027-2028 IRM PBC case. T. Primrose (PSEGLI) and S. Chery (ConEd) noted that they completed their respective reviews and found no issues. ICS re-reviewed previously presented Tan45 results and subsequently approved them.

More detail is available in the attached Tan45 Points and Curves document. Of note is the expanded TSL impact analysis, as well as expanded monthly EOP reporting requested by stakeholders.

This does not require EC approval but is presented for review.

ICS 321

4.1.2 IRM 2027-2028 PBC Sensitivities

NYISO presented completed PBC sensitivity results. Standard annual sensitivities show similar trends to previous editions of PBC sensitivities. Direct modeling of Firm Fuel Characteristic Elections (S05) resulted in a -1.3% change in IRM (29.5%) with minimal change to the Zone J and K LCRs. S06 (which models the inclusion of Sunrise and Empire Wind) demonstrated in a +3.2% change in IRM as well as +2.6% and +12.9% change in Zone J and K LCRs respectively (88.5% Zone J, 122.8% Zone K). NYISO also presented additional modeling details for the offshore wind as well as informational hourly LOLE distributions for PBC, S06 and S07 that demonstrate minimal change in hourly LOLE distribution. S07 (Impact of New Generator Inclusion) and S08 (Impact of Updated Thermal EFORD Data) were previously presented to ICS and EC. More information is available in the attached.

Results	2025-2026		2026-2027		2027-2028	
	IRM (%)	IRM Change From Base (%)	IRM (%)	IRM Change From Base (%)	IRM (%)	IRM Change From Base (%)
IRM PBC	23.6	--	27.3	--	30.8	--
S01: NYCA Isolated	29.1	+5.5	32.1	+4.8	35.3	+4.5
S02: No Internal NYCA Tx Constraints	21.7	-1.9	25.1	-2.2	27.7	-3.1
S03: No LFU	18.5	-5.1	21.7	-5.6	24.7	-6.1
S04: No Wind Capacity	17.0	-6.6	20.5	-6.8	23.1	-7.7

Stakeholder discussion occurred on multiple sensitivity cases. On S02 (No internal NYCA Transmission Constraints) T. Primrose added that ICS should consider removing cable outages in future editions. He added the example that due to MARS capacity state logic for the I to K interface, this sensitivity results in unlimited transfers ~99% of the time, but a zero limit ~1% of the time.

On S06, M. DeSocio noted that a sensitivity with Empire Wind only in service would provide clarity to stakeholders, and that the Empire project is further along than Sunrise. R. Gonzales followed up on inclusion rules, NYISO replied that if resources are expected to be in by June 1st they will be modeled for the full year (which is documented in policy-5). R. Gonzales added that inclusion rules may become more complicated as system risk profile shifts. NYISO noted that this concept should be discussed further in future strategic efforts, but that there are myriad fundamental considerations for partial year inclusion. M. DeSocio elaborated that he has an appreciation that the reliability model is used for multiple purposes, but that it is difficult to keep this as a reliability only discussion. He reiterated his interest in an Empire Wind only scenario, NYISO replied that S06 is a full Tan45 which is

resource intensive. NYISO also noted that, because Empire and Sunrise Wind are similar in size, the IRM impact of an Empire Wind-only scenario would be roughly half of the combined Sunrise/Empire impact (I.E. ~1.5% IRM impact for Empire only). C. Wentlent asked for details on assumed seasonal capacity factors of Sunrise and Empire Wind, NYISO will follow up. T. Primrose added that he would like to see future modeling of Sunrise and Empire Wind account for risk of outages on interconnection cables, noting that Empire has a ~30-mile HVAC cable, and Sunrise has a ~100-mile HVDC cable. NYISO elaborated that this can be considered but also will be captured in eventual production data. He also asked for confirmation that the DNV wind profiles capture correlation between resources and NYISO confirmed they do.

On the hourly LOLE distribution of the LCR alignment case, S06, and S07, T. Primrose added that it was helpful and largely addressed his concerns with possible year-over-year changes.

ICS approved the IRM 2027-2028 PBC Sensitivity cases.

4.1.3 2027-2028 IRM FBC Assumptions Matrix and FBC Parametric Results.

NYISO presented the initial final base case assumptions matrix with limited changes since the PBC. One material change, Special Case Resources (SCR) MW Update, was presented which resulted in - 0.16% IRM impact. Remaining updates to FBC for this cycle include but are not limited to the following:

- New Generator Screening
- Resource Deactivations
- Emergency Operating Procedure (EOP) MW Update
- Fall Load Forecast
- Unforced Capacity Deliverability Rights (UDR) Elections
- NERC EFORd: 2021-2025
- Winter Fuel Constraint MW Update

M. DeSocio asked when the last time the emergency assistance limits were updated (slide 31 of presentation), NYISO commented that they were updated 2 years ago, and G. Jordan followed on to add that the limits are subject to availability of reserves in MARS from other areas. M. DeSocio noted that areas such as PJM have experienced rapidly degrading margins, and regions such as ISO-NE have implemented fuel constraints modeling, alongside other rapid changes in neighboring region reliability. NYISO noted that there are various challenges to updating the EA limits, and that they will follow up with the whitepaper that defined the methodology. Various stakeholders noted a desire to define a regular cadence for updating this assumption. T. Primrose highlighted Policy 5 requirements dictating conservative modeling of external areas but acknowledged that it does not fully address the concern. NYISO noted that external area modeling is updated annually and pointed to the reduced IRM impact observed in the S01: NYCA Isolated case as evidence of decreased magnitude of reliance on external assistance.

4.1.4 Selected New Generator Screening: 2027-2028 IRM Final Base Case

NYISO presented an initial update on PBC-included new generation projects (>250MW) currently under review for FBC. Approved assumptions included 1,229 MW of new generation additions, of which 1,119 MW were renewable resources located in Load Zones A and B. Based on the review conducted to date, the NYISO expects it will continue to recommend inclusion of Cider Solar (500 MW) and Alle-Catt II Wind (339.1 MW) for the FBC. Currently available information for Excelsior Energy Center (280MW) raises questions regarding whether the project will enter service and commence capacity market participation prior to June 1, 2027. NYISO is coordinating with the NYSRC ICS

consultant (G. Jordan) for the review of the confidential information being considered and expects to complete the screening for the 9/29/2026 ICS meeting.

W. Gunther suggested future generator screenings also look at the US EIA 860 database. T. Primrose asked if NYISO expects new information between now and the 9/29 ICS meeting, NYISO replied that they do expect new information and various groups have touchpoints with developers.

4.1.5 Potential Topics for Strategic Consideration

ICS held a preliminary discussion on potential topics for strategic consideration as part of 2027 NYSRC goals. Several topics were discussed, aligning with the presently adopted 5-year modeling improvement strategic plan. Proposed topics include:

1. LCR Optimizer / Tan45 Methodology
2. Winter Reliability and Modeling
 - a. Consideration of potential modeling refinements to fuel availability constraints for future IRM studies, such as expansion beyond Zones F-K
 - b. Seasonal reliability enhancements such as seasonal derating factors, seasonal EFORd tool, seasonal criteria and shifting
 - c. Winter Emergency assistance review will be pushed back due to limited data and operational experience
3. Energy Limited Resource modeling improvements exploring MARS logic topics such as stacking, duration, efficiency, seasonal limitations, and start times
4. Load Modeling
 - a. LFU Phase 4 work such as representative load shapes, BTM solar modifications, and Winter LFU assumptions
 - b. Assessment of IRM firm and non-firm service constructs for large loads
5. Modeling Improvements
 - a. Maintenance modeling and parametric process improvements complete
 - b. Standard error exploration will be a 2028 project
6. Support of EWWG projects is under scope review

These topics will return in greater detail at the 9/29 ICS for further discussion and approval.

ICS 320 & 321

4.1.6 Additional Agenda Items

During ICS 320 various stakeholders inquired about possible changes in TSL floor values as the IRM study cycle nears completion. NYISO noted that they will take this comment back and bring clarifications to a future ICS. Stakeholders (M. Mager, R. Gonzales, T. Duffy) also emphasized a desire for NYISO to present any changes as early as possible. T. Primrose noted that while TSL floors are not an NYSRC work product, any modifications should be presented to ICS as soon as possible.

During ICS 321, T. Primrose noted that NYISO scheduled a “2027-2028 TSL Floor Update” presentation for the 9/8/2026 ICAP working group call. He added that interested parties should join that discussion.