

Agenda Item 4.1: ICS Report to NYSRC Executive Committee (EC)
October 2, 2024, ICS Meeting #294 and October 4, 2024, Special ICS Meeting #295
Prepared for: October 10, 2024, EC Meeting #306
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4.1.1 ICS Action Item List and Goals for 2025

ICS approved the draft 2025 goals (presented earlier as part of NYSRC goals) and expressed strong support for studying winter related considerations and extreme weather. There was discussion of how the past 5 years of weather-related data used in the MARS model do not contain the type of wind lull and other extreme events observed in the past 40 years.

4.1.2 Preliminary Database Quality Assurance Review

ConEd reviewed the masked 2025 IRM PBC file and identified a few small labeling differences between the MIF and topology diagram, which have since been updated. PSEG-LI identified some areas for clean-up in the MIF and the assumptions matrix for reporting purposes and NYISO made those corrections without any modeling impact, so the TO review is complete.

4.1.3 PBC Sensitivity Results (Unchanged)

ICS approved the sensitivity results, previously presented to both ICS and the EC. As an addition to the IRM report, there was interest in tabulating LOLE before adjustment to criteria.

4.1.4 FBC New Generator Screening

NYISO recommended and ICS approved maintaining two new solar units included in the PBC and removing one that was included in the PBC but has not progressed since then. The model will also reflect increased CRIS rights for New Athens units 1, 2, and 3.

4.1.5 IRM Topology Update and Oswego Complex Considerations

ICS approved inclusion of dynamic limit updates related to summer 2025 firm projects in ConEdison's 2023 Local Transmission Plan. These dynamic limits have been previously reviewed in NYISO stakeholder forums and allow 200-250 MW higher exports out of Staten Island under certain generator availability conditions.

ICS also considered potential N-1-1 export limitations around the Oswego Complex observed in the preliminary 2024 RNA study. The limitation occurred in the later years of the study (2033-2034) under significantly different system conditions than those applicable for the 2025-2026 IRM study. Such limitations are important in a system near resource adequacy minimums with no generation available elsewhere to back down Oswego. The issue may be resolved through separate studies and solicitations. NYISO recommended and ICS accepted no changes to the modeling assumptions for the 2025-2026 IRM study.

4.1.6 Maintenance Modeling

Unit-specific maintenance modeling had been removed during the 2022-2023 IRM study. Reintroducing winter maintenance scheduling increased the PBC IRM by 0.19% and caused 2.6% of LOLE events to happen in the winter. In combination with winter gas constraints with 11,000 MW and 8,000 MW available oil, winter maintenance increased the IRM by 2.4% and 4.38% (3.3% and 11.58% combined impact). With both, 46% and 84% of LOLE risk occurs in the winter respectively. The current modeling approach double counts some thermal derates associated with winter gas constraints, winter maintenance, and forced outages. On average there is ~2,500 MW on maintenance outage in the winter, which is less than the amount of fuel limited units. NYISO will dig into what the model scheduled for maintenance and consider manually scheduling firm fuel unit maintenance to the spring and fall or otherwise adjusting the assumed fuel availability to avoid double counting. The longer-term solution is a MARS software update. NYISO recommended and ICS accepted not incorporating winter maintenance into the current IRM study.

4.1.7 FBC Assumptions Matrix (attached) – Approval Item

ICS approved the FBC Assumptions Matrix contingent on ICS approving the Fall Load Forecast at the 10/4 special ICS meeting. There was discussion on the significant reduction in the EOP MWs attributed to voltage reduction. The topic of UDRs also came up and NYISO indicated that the model reflects elections received prior to the Aug 1 deadline. As a minor item, NYISO mentioned that the NERC class average EFORs are not yet available, and ICS supported using the current 5-year averages for the small number of impacted units.

4.1.8 FBC Parametric Results (attached)

NYISO presented the FBC parametric analysis with the most significant change being a 5.09% increase in the LI LCR due to updated UDR elections. An SCR MW update increased the IRM by 0.53%.

----- **October 4, 2024, Special ICS Meeting #295** -----

4.1.9 Fall Load Forecast

The final Fall Load Forecast for the FBC was not available in time for the 10/2 ICS and a special ICS was held following the 10/4 special LFTF meeting. Within the forecast, the ConEd weather adjusted peak decreased by 194 MW with corresponding changes to NYCA and the localities. ICS approved the updated forecast with no objections and >30 people in attendance.