

Agenda Item 4.1: ICS Report to NYSRC Executive Committee (EC)

May 1, 2024, ICS Meeting #289

Prepared for: May 10, 2024 EC Meeting #301

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4.1.1 DER Modeling

NYISO presented a final set of initial modeling principles for DER aggregations. Given uncertainty around DER enrollments, NYISO recommended, and ICS approved deferring modeling DER enrollments to the next IRM study.

4.1.2 Preliminary SCR Values

NYISO provided a status update with Gold Book SCR ICAP MW estimates and will return in July to provide values based on actual July 2024 enrollments.

4.1.3 Gas Constraint Whitepaper

NYISO presented updated data in response to discussions at the last EC meeting focusing on resource adequacy metrics at a range of firm fuel elections. Of note, reduced firm fuel elections result in significant IRM and LCR increases. The Tan45 process was unable to find a solution when available oil was assumed at 5,000 MW or lower. There was continued discussion of including as a sensitivity or base case and interest in ensuring the contributions of resources not electing firm are reflected. ICS is seeking EC input prior to bringing a formal recommendation at a subsequent meeting. Additional information is included in the attached NYISO slides as a separate agenda item.

4.1.4 Alternative Load Shape Adjustment Method

NYISO presented on an alternate load shape adjustment method to capture seasonal peaks and annual energy. The alternative method results in a 1.4% decrease in the IRM and 0.2-0.5% decrease in the LCRs. The distribution of LOLE events within the high-risk hours shifts slightly. Adam Evans from DPS expressed concern over the potential for unrealistic 10 h events and suggested a more granular intra-day approach than the current monthly multipliers. When adjusting energy, a suggestion was made to adjust near peak hours less than other non-peak hours. With this update, NYISO will revisit explicitly modeling BTM solar.

4.1.5 LFU Status Update for 2025-2026 IRM Study

2023 weather was below average and as a result, NYISO proposed, and ICS accepted the recommendation to not update the LFU model for 2025-26.

4.1.6 Tan45 Methodology Review

NYISO presented a preliminary update on adding 9 GW of FTM solar, LBW, and OSW individually to the model as well as including the Champlain Hudson Power Express (CHPE). Adding solar had limited impact on the tan 45 analysis. Adding LBW resulted in flatter curves, meaning a small change in the LCR has a large corresponding impact on the IRM. OSW is challenging because it adds significant capacity into zones J and K and the tan 45 process was not feasible. The J LCR went up from 72.73% to 76.09% with the addition of CHPE. The impact on the TSL is out-of-scope for this study. Additional information is included in the attached NYISO slides as a separate agenda item.

4.1.7 Parametric Results

NYISO continued updating the MARS model and performing the parametric analysis which included updating 2024 Gold Book DMNC Update (Thermal) (0.15%), Enhanced SCR Modeling (-0.57%), Shifting

Offshore Wind Shape, and 2024 Gold Book Load Forecast. There was a request to include when updates will be made.

4.1.8 Assumptions Matrix

ICS reviewed the 2025-26 PBC assumptions matrix, and at this time there are limited updates (SCR modeling).

4.1.9 Policy 5 Changes

Minor conforming updates to reflect current practices were discussed and the document will be shared with EC shortly for informational purposes and approved in July.