

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

February 27, 2024, ICS Meeting #287

Prepared for: March 8, 2024 EC Meeting #299

Prepared by: Howard Kosel (Con Edison)

4.1.1 Assumptions Matrix

ICS reviewed the 2025-26 PBC assumptions matrix, at this time there are limited updates. ICS plans to add the recommended gas constraint modeling assumptions as a new assumptions matrix attachment once finalized.

4.1.2 Gas Constraints and SCR Modeling Update

ICS will bring the Gas Constraint white paper and the recommended SCR modeling to the April 12th EC meeting for approval.

4.1.3 Tan45 Methodology Review White Paper

ICS reviewed the proposed scope of the white paper which is attached as a separate agenda item.

4.1.4 BTM Solar and Current Load Shape Adjustment Process

NYISO presented findings from their research on separating BTM-PV resources from the load shape (i.e. model gross load and BTM-PV as a resource instead of modeling net load). Previous testing resulted in a substantial increase in IRM which required further investigation. Based on the analysis, separating the BTM-PV from the load should be accompanied by additional load shape adjustments to the annual energy and seasonal peaks which is part of the ICS goals for 2025. ICS members agreed that an interim solution was not the best approach and the modeling enhancement should be included as part of a comprehensive review of the load shape adjustment process in 2025. Therefore, the ICS recommended a focus on the load shape adjustment process prior to implementation of improvements to BTM-PV modeling. These efforts are likely to continue into 2025.

4.1.5 DER Modeling White Paper

NYISO presented initial research on DERs operational characteristics, how they will participate in NYISO markets and how to model the resources in the IRM study and will continue the discussion on possible modeling approaches depending on the types of DER resources.

4.1.6 Evolving Resource Adequacy Models

NYISO presented resource adequacy modeling enhancements that are being discussed at the ICAP Working Group to keep ICS informed. Topics included, correlated outages due to weather or common mode failures, min/max operating temperatures and the impact of unit size on marginal reliability (methodology used to calculate capacity accreditation factors).