

ICS Report to Executive Committee

August 2nd, ICS Meeting #279

Prepared For: August 11th, 2023 EC Meeting
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4.1.1 Final PBC Parametric & Tan 45 Results

PBC Tan 45 results in an IRM of 20.8%. Compared with the Parametric results, there is a sizable shift between the reduction of J LCR and the increase of the IRM. Refer to the attached report for Tan45 and Parametric results.

4.1.2 EOP Review Initial Whitepaper Recommendations

Previously as part of a review of EOP Emergency Assistance assumptions in IRM modeling, the NYISO concluded that the current emergency assistance (EA) assumptions result in optimistic support from the external areas in the IRM study. NYISO presented the initial recommendation of limiting EA based on the regression analysis on the historic data of extra reserves. The initial recommendation would result in about 2% increase of the IRM. Tan45 sensitivity cases applying the initial recommendations on the 2024/2025 IRM PBC is also proposed.

<i>Tan45 Results</i>	<i>IRM</i>	<i>J LCR</i>	<i>K LCR</i>
2023-2024 IRM FBC	19.90	78.20	107.40
2023-2024 IRM FBC + Additional Topology Limits for EA	21.91	77.862	107.065
<i>Delta</i>	<i>2.01</i>	<i>-0.338</i>	<i>-0.335</i>

Please refer to the attached EOP Review Whitepaper Interim Recommendations for a full discussion of recommended actions.

The draft whitepaper report is scheduled for ICS approval at the October ICS meeting.

4.1.3 2024-25 Sensitivity Case List for EC Approval

ICS approved the Sensitivity Case List for the 2024-2025 IRM cycle.

Below is a summary of the additional recommended Sensitivity cases for this year, beyond the usual 5 cases that are run, stemming from the EOP Interim

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Whitepaper recommendations. Please refer to the attached full Sensitivity List for EC approval.

<i>IRM Impacts of Base Case Assumptions Changes</i>		
6a	EOP (Emergency Operating Procedures) Whitepaper Recommendation	Shows impact of modifying Emergency Assistance (EA) from neighboring areas modeled during the EOP steps in accordance with the EOP Whitepaper recommendation (Tan45)
6b	EOP Whitepaper Recommendation plus Winter EA Zeroed Out	Built upon Sensitivity 6a, shows impact of reducing EA from neighboring areas to 0 in winter
7	Winter Constraints	<p>Built upon Sensitivities 6a and 6b, shows impact to reliability when winter capacity is reduced due to gas constraints and can be used to understand tightening winter conditions</p> <p>Negative hourly units will be utilized to remove capacity in zones F, G, J, and K totaling:</p> <ol style="list-style-type: none"> 1. 3,500 MWs 2. 7,000 MWs
8	Dover PAR	Shows impact of reducing AC Transmission transfer limits due to Dover PAR installation delay

All results are calculated by shifting capacity from Zones A - K unless otherwise noted

The ICS also discussed actions needed to evaluate neighboring area (PJM, ISO-NE) OSW as a part of this year's IRM efforts. It was uncertain as to whether this would be part of the IRM report or an additional study that supplements this year's Final Report. As such, ICS Action Item 279-1 was generated to obtain the NPCC database and evaluate changes necessary to use hourly shape models versus thermal unit profiles in this effort prior to the September ICS meeting. Please refer to the summary writeup from the NYSRC Consultant on this issue.