

(ICS Approval Item for August)

2024-25 IRM Study - Sensitivity Cases (based on PBC)

Case	Description	Reason
0	2024-25 IRM Preliminary Base Case	These are the Base Case technical results derived from knee of the IRM-LCR curve
<i>IRM Impacts of Key MARS Study Parameters</i>		
1	NYCA Isolated	Track Total NYCA Emergency Assistance – NYCA system is isolated and receives no emergency assistance from neighboring control areas (New England, Ontario, Quebec, and PJM). UDRs are allowed
2	No Internal NYCA transmission constraints	Track level of NYCA congestion with respect to the IRM model – internal transmission constraints are eliminated and the impact of transmission constraints on statewide IRM requirements is measured
3	No Load Forecast Uncertainty	Shows sensitivity of IRM to load uncertainty, assuming that the forecast peak loads for NYCA have a 100% probability of occurring
4a	No Wind Capacity – Land-Based Wind Only	Shows wind impact for the land-based wind units and can be used to understand EFORD sensitivity (A – F Shifting)
4b	No Wind Capacity – All Wind Units	Shows wind impact for both land-based and off-shore wind units and can be used to understand EFORD sensitivity
5	No SCR Capacity	Shows sensitivity of IRM to SCR program
<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	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 Negative hourly units will be utilized to remove capacity in zones F, G, J, and K totaling: 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