

Draft ICS work product. 6/24/21 Use of this document is for monthly tracking purposes only. ICS approval is set for August.

Preliminary 2022 IRM Study- Sensitivity Cases (based on PBC)

Case	Description	Reason
0	2022 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.
4	No wind capacity	Shows wind impact and can be used to understand EFORD sensitivity; performed by freezing J & K at base levels and adjusting capacity in the upstate zones.
5	No SCRs	Shows sensitivity of IRM to SCR resources.
<i>IRM Impacts of Base Case Assumption Changes</i>		
6	Zone D PAR sensitivity	Determines IRM if the zone D PAR repair is not completed in time for next summer.
7	Enhanced Energy Limited Resource (ELR) sensitivity.	Selects the TC4C option from the ELR whitepaper as the basis for testing a functionality of the new MARS ELR software. Includes results on the number of EOPs called.
8	Extended partial outage of Neptune UDR	Sensitivity on line remaining partially unavailable (50%)
<i>IRM Impacts of future white papers or for informational use only</i>		
9	Transmission Security Limit usage	Use ISO proposed methodology to fix a minimum LCR and find new IRM and related LCRs
10	Find IRM using 2024 topology	Find IRM using the RNA's 2024 topology
11	Model the Con Ed PAR series reactors per 2023 operation.	Model the Con Ed PAR series reactors as projected for 2023 operation.