

ICS work product. ICS approved on August 4, 2021.  
2022 IRM Study- Sensitivity Cases

Case	Description	Reason
0	2022 IRM Preliminary Base Case	These are the Base Case technical results derived from knee of the IRM-LCR curve.
<b><i>IRM Impacts of Key MARS Study Parameters</i></b>		
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.
<b><i>IRM Impacts of Base Case Assumption Changes</i></b>		
6	Zone D PAR sensitivity	Determines IRM if the zone D PAR repair is completed in advance of 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%)
9	Impact of Updated Cable Forced Outage Rates	Shows the <b>(Tan45)</b> Impact of Updated Cable Forced Outage Rates.
<b><i>IRM Impacts of future white papers or for informational use only</i></b>		
10	Transmission Security Limit usage	Use ISO proposed methodology to fix a minimum LCR and find new IRM and related LCRs
11	<b>Time permitting;</b> Model the Con Ed PAR series reactors per 2023 operation.	Model the Con Ed PAR series reactors as projected for 2023 operation.
12	<b>Time permitting;</b> Assess IRM using 2024 topology	Assess IRM impact with future topology change(s) – which are to be determined and are based on the RNA’s model for year 2024.