

Draft ICS work product. 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	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 SCR Capacity	Shows sensitivity of IRM to SCR program
<i>IRM Impacts of Base Case Assumption Changes</i>		
6	Energy Limited Resource (ELR) sensitivity (fixed output shapes)	Modeling ELRs using the historical output shapes to show comparison with the GE MARS ELR functionality.
7	Operating Reserve at Load Shedding sensitivity (not maintaining OR at load shedding)	Sensitivity of not maintaining the 350 MW Operating Reserve at Load Shedding
8	New Load Shapes Sensitivity	Show impact of implementing new load shapes, replacing the current 2002, 2006 and 2007 load shapes with 2013, 2017 and 2018 load shapes.
9	Y49 Outage	Sensitivity of reduced transfer capability on Y49 due to outage being potentially extended beyond June 2023

