ICS approval item for August.

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.
IRM Impacts of Key MARS Study Parameters		
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
IRM Impacts of Base Case Assumption Changes		
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 **(Tan 45)**	Show impact of implementing new load shapes, replacing the current 2002, 2006 and 2007 load shapes with 2013, 2017 and 2018 load shapes.
9/10	Y49 Outage	9) Sensitivity of reduced transfer capability on Y49 due to outage being potentially extended beyond June 2023 10) Model Y49 with an updated outage rate based on the new line