

Draft ICS work product, for discussion purposes Only -2021 Sensitivity Cases

Table 7-1: Sensitivity Cases – 2021 IRM Study

Case	Description	IRM (%)	% Change from Base Case
0	2020 Preliminary Base Case	20.1	-
<i>IRM Impacts of Key MARS Study Parameters</i>			
1	NYCA Isolated (no emergency assistance)	27.0	6.9
2	No Internal NYCA Transmission Constraints (Free Flow System)	18.2	-1.9
3	No Load Forecast Uncertainty	11.0	-9.1
4	Remove all wind generation	15.2	-4.9
5	No SCRs	17.7	-2.4
<i>IRM Impacts of Base Case Assumption Changes</i>			
6	SCR Modeling method update – Energy and Duration Limitations [Tan 45]	20.8	0.7
7	Energy Limited Resources modeled without the simplified representations developed for the base case.	19.7	-0.4
<i>Informational Assessment</i>			
8	LI LCR Analysis (all three with Tan 45)	IRM impacts: LI LFU (-0.2%), LI unit deactivations (-0.1%), LI cable outage rates (0%)	LI LCR impacts: LI LFU (-0.9%), LI unit deactivations (-0.4%), LI cable outage rates (-2.3%)
9	The Impacts of High Intermittent Renewable Resources (12,000 MW of renewables added to 2020 IRM base case of 18.6%)	42.9	24.3