2021 IRM Study –Sensitivity Cases (based on PBC)

Case	Description	IRM (%)	NYC (%)	LI (%)	IRM% Change from Base Case
0	**2020 Preliminary Base Case**	20.1	82.7	97.3	-
	This is the Base Case technical results derived from knee of the IRM-LCR curve. All other sensitivity cases are performed as described above.				
1	**NYCA Isolated**	27.0	87.8	104.3	+6.9
	This case examines a scenario where the 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 (Free Flow System)**	18.2	81.3	95.4	-1.9
	This case represents the "Free-Flow" NYCA case where internal transmission constraints are eliminated and measures the impact of transmission constraints on statewide IRM requirements.				
3	**No Load Forecast Uncertainty**	11.0	75.9	88.2	-9.1
	This scenario represents "perfect vision" for 2020 peak loads, assuming that the forecast peak loads for NYCA have a 100% probability of occurring.				
4	**Remove all wind generation**	15.2	82.7	97.3	-4.9
	Freeze J & K at base levels and adjust capacity in the upstate zones. This shows the impact that the wind generation has on the IRM requirement.				
5	**No SCRs**	17.7	79.9	97.8	-2.4
	Shows the impact of SCRs on IRM.				
6	**SCR Modeling method update [Tan 45]**	20.8	84.0	98.9	+0.7
	Evaluate the effect of SCR duration limitations. Model SCRs as limited to full performance for 4 hours with lower performance for additional shoulder hours (e.g., hours 5 and 6).				
7	**LI LCR Analysis**	See Agenda Item "Long Island LCR Analysis"			
	Evaluate parameters that likely contributed to the lower LI Tan45 Reserve Margin.				