

2019 IRM Study – Proposed Sensitivity Cases V1

Case	Description	IRM (%)	NYC (%)	LI (%)
0	2019 Preliminary Final Base Case	16.9	79.2	100.7
	This is the Base Case technical results derived from knee of the IRM-LCR curve. All other sensitivity cases are performed off of this run			
1	NYCA Isolated			
	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)			
	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			
	This scenario represents “perfect vision” for 2017 peak loads, assuming that the forecast peak loads for NYCA have a 100% probability of occurring. The results of this evaluation help to quantify the effects of weather on IRM requirements.			
4	Remove all wind generation			
	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 & no EDRPs			
	Shows the impact of SCRs and EDRPs on IRM.			
6	Remove CPV valley from service (tan 45 request)			
	Remove the addition of CPV Valley (678 MW) from the base case.			
7	Limit Emergency Assistance from PJM to all of NYCA to 1500 MW			
	This case uses a grouped interface of all PJM to NYCA import ties and restricts the grouping to a limit of 1500 MW			
8	Remove the 3500 MW EA Limit into NYCA			

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	Remove the 3500 MW Emergency Assistance grouped limit entering NYCA from its neighbors. UDRs remain in New York.			
9	Remove B and C lines from service (tan 45 request)			
	Set the B and C line ratings to Zone J to zero MW. Reduce the NYC import grouping from 315 MW to 105 MW.			
10	Remove Line 33 due to PAR failure			
	Model potential drop of 150 MW in tie capability from Ontario to Zone A.			
11	Remove Zone K public appeals from model			
	Remove the 80 MW of public appeals from the EOP steps in the model.			
12	Combine Cedars and Quebec areas			
	Create one Area with both Quebec and the Cedars combined. Increase tie capability to 1690 MW.			

Draft ICS work product, for discussion purposes Only -2019_Sensitivity Case Results