

**2025-2026 Installed Reserve Margin (IRM) Study - Sensitivity Cases**

Case	Description	IRM (%)	NYC (%)	LI (%)	IRM (%) Change from Base	LOLH (hrs/yr)	EUE (MWh/yr)
0	2025-2026 IRM Final Base Case (FBC)	24.400	75.581	107.295	-	0.374	216.980
	These are the Base Case technical results derived from knee of the IRM-LCR curve						
1	NYCA Isolated	29.865	79.423	112.410	5.465	0.341	198.973
	Track Total New York Control Area (NYCA) Emergency Assistance (EA) – NYCA system is isolated and receives no emergency assistance from neighboring control areas (New England, Ontario, Quebec, and PJM). Unforced Capacity Deliverability Rights (UDRs) are allowed						
2	No Internal NYCA transmission constraints	22.547	74.278	105.560	-1.853	0.364	326.999
	Track level of NYCA congestion with respect to the IRM model – eliminates internal transmission constraints and measures the impact of transmission constraints on statewide IRM requirements						
3	No Load Forecast Uncertainty	19.349	72.030	102.567	-5.051	0.268	51.274
	Shows sensitivity of IRM to load uncertainty, if the forecast peak loads for NYCA have a 100% probability of occurring						
4	No Wind Capacity	17.771	76.601	105.960	-6.629	0.366	228.969
	Shows wind impact for both land-based and off-shore wind units and can be used to understand Equivalent Demand Forced Outage Rate (EFORD) sensitivity						
5	No SCR Capacity	22.050	72.818	108.166	-2.350	0.359	211.508
	Shows sensitivity of IRM to the Special Case Resource (SCR) program						

Case	Description	IRM (%)	NYC (%)	LI (%)	IRM (%) Change from Base	LOLH (hrs/yr)	EUE (MWh/yr)
6a	Gas Constraints (Tan45) 11,000 MW of oil modeled	25.300	76.195	107.523	0.900	0.349	186.396
	Shows impact to reliability when winter capacity is reduced due to gas constraints and can be used to understand tightening winter conditions						
6b	Gas Constraints (Tan45) 8,000 MW of oil modeled	31.600	78.103	108.269	7.200	0.310	129.996
	Shows impact to reliability when winter capacity is reduced due to gas constraints and can be used to understand tightening winter conditions						
7	BTM Solar (Tan45)	25.446	76.479	108.916	1.046	0.396	242.431
	Shows the impact of modeling Behind-the-Meter (BTM) solar resources explicitly. The modeling can be used to understand the impact of evolving BTM solar penetration in the system.						

Note: All results are calculated by adding/removing capacity from Load Zones A - K unless otherwise noted