

October 2, 2019 NYSRC ICS Meeting #224 Report - Howard Kosel
Prepared for the October 10, 2019 EC meeting

- **Fall Peak Load Forecast:** NYISO presented the fall load forecast for the 2020 IRM Study. ICS reviewed and approved the peak load forecast for use in the final IRM base case:
 - **NYCA: 32,170 MW**
 - **LHV: 15,776 MW**
 - **NYC: 11,512 MW**
 - **LI: 5,216 MW**

- **Transmission Owner Quality Assurance Review:** Con Edison and PSEG-LI discussed their findings when reviewing the preliminary base case. Con Edison reported no major findings. PSEG-LI reported no major findings however, did raise one question regarding the import limit from NYC into LI. The import limit was subsequently reviewed by Con Edison and PSEG-LI and determined that the limit used in the study is appropriate.

- **Informational Optimized LCRs:** NYISO presented results of the LCR Optimization using the 2020 Preliminary IRM of 18.6%. The LCR Optimization takes the Tan 45 IRM result as a fixed input and minimizes the cost of capacity procurement by optimizing the locational needs of resources where they have the most reliability value. The results have been provided for information purposes only and are provided below:

2019 PBC	NYCA	G-J	NYC	LI	Total Cost (MM\$)**
Tan 45 LCRs	118.6%	98%*	83.9%	102.3%	\$5,081.30
Optimized LCRs	118.6%	90.3%	86.7%	103.2%***	\$5,040.60
<i>deltas</i>	0.0%	-7.7%	2.8%	0.9%	-\$40.70

- **2020 IRM Final Assumptions Matrix:** ICS reviewed and approved the final assumptions matrix for the final 2020 IRM Study. The Assumptions Matrix has been provided as a separate agenda item for EC approval.
 - **Completion Target:** October 2, 2019
 - **EC Required Action:** EC Approval October 10, 2019

- **2020 IRM Sensitivity Cases:** ICS reviewed and approved the 2020 IRM Sensitivity Cases. The draft results are provided below and will be included in the Final IRM Report with written comments describing the cases:

2020 IRM Study –Sensitivity Cases (based on PBC)

Case	Description	IRM (%)	NYC (%)	LI (%)	IRM% Change from Base Case
0	2020 Preliminary Base Case	18.6	83.9	102.3	-
	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	26.1	89.0	109.4	+7.5
	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)	16.4	82.4	100.2	-2.2
	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	9.5	77.8	93.7	-9.1
	This scenario represents “perfect vision” for 2019 peak loads, assuming that the forecast peak loads for NYCA have a 100% probability of occurring.				
4	Remove all wind generation	15.1	83.9	102.3	-3.5
	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	15.8	80.6	102.5	-2.8
	Shows the impact of SCRs on IRM.				
6	Return the Indian Point Unit 2 to service	18.4	83.4	101.3	-0.2
	Return IP2 to the base case and reduce the UPNY/CE interface by 250 MW. (Tan 45)				
7	Remove the Cricket Valley (CVEC) from service	19.3	83.9	102.3	+0.7
	Remove the addition of CVEC (1020 MW) from base case and adjust UPNY/SENY interface group appropriately. (Tan 45)				
8	Retire the Somerset Unit	18.3	83.9	102.3	-0.3
	Remove the Somerset Unit (686 MW) from the base case to understand the impact of NYS environmental Regulations that could take effect in December of 2021				
9	Model SCRs using event performance	18.6	83.9	102.3	+0.0
	Change the current mix of event and test performance data to event data only.				
10	Model HQ to NY 80 MW EDR Project	18.5	83.9	102.3	-0.1
	Project is scheduled for completion in 2021.				
11	Remove Indian Point Unit 3 from service	18.9	85.8	107.8	+0.3
	Indian Point 3 is scheduled to retire in 2021. Remove the unit and increase UPNY/CE by 250 MW. (Tan 45)				