

Breakdown of LFU and DEC Peaker Deactivations Parametric Cases

Kevin Osse
Associate Engineer, Resource Adequacy

NYSRC – ICS Meeting #264

August 22, 2022

Agenda

- **Summary of Load Forecast Update case**
- **Summary of Peaker deactivation case**

Load Forecast Update – Zone K

- Parametric study is conducted sequentially. Isolated impact from an individual database change is based on the at-criteria margin comparison with the previous case
 - Margins are calculated as: at-criteria capacity / load.
- During load forecast update, Zone K load goes down by 127.5 MW, increasing the margin by 2.51%, before applying any capacity adjustments

Prior to Load Forecast Update			New Load Level			
Capacity (At Criteria)	Load Level	Margin (At Criteria)	MW	Delta	Margin with new load level (As Found)	Delta
5,116	5159	99.19%	5031	-127.5	101.70%	+2.51%

- Subsequently, A-K parametric adjustment is applied with 20 MW capacity added to Zone K

Prior to Load Forecast Update			New Load Level						
Capacity (At Criteria)	Load Level	Margin (At Criteria)	MW	Delta	Margin with new load level (As Found)	Delta	Capacity (At Criteria)	Margin (At Criteria)	Margin Delta
5,116	5159	99.19%	5031	-127.5	101.70%	+2.51%	5137	102.13%	+2.94%

The zonal capacity adjustment during parametric studies will be balanced during the Tan45 process

Peaker Deactivation Summary

	MWs Deactivated	ICAP Adjustment in Deactivation Case
Zone J	-903	+408
Zones GHI	-42	+291
Zones G-J	-945	+699
Zone K	-202	+247
Total	-1147	+946

Locality	Margin delta after deactivation with no adjustment to get to 0.100 LOLE (%)	Margin delta to get to 0.100 LOLE (%)	Delta Sum
Zone J	-8.0	+3.6	-4.4
Zones G-J	-6.1	+4.5	-1.6
Zone K	-3.9	+4.8	+0.9

	EFORd	
	Before Deactivation	After Deactivation
Zones G-J	13.64	12.69
Zone K	9.05	8.23

Questions?