

IRM 2023 Preliminary Base Case Parametric Results (as of 8/16/2022)						
Material Changes						
Number	Adjustment Type	Description	Impact on Margins			
			NYCA	NYC	LI	LHV
		IRM 2022 Final Base Case	19.6	80.7	99.8	90.7
1	A-K	New Summer LFUs	-0.60	-0.44	-0.58	-0.47
2	A-K	Thermal Outage Rate (2017-2021)	0.16	0.10	0.17	0.11
3	A-K	ELR Model	-0.63	-0.47	-0.60	-0.50
4	A-K	Withholding 350 MW OR at Load Shedding	1.28	0.89	1.28	0.98
5	A-K	Cable Transition Rates	0.60	0.83	1.20	0.92
6	G-K	DEC Peaker Deactivation	-0.94	-4.32	0.70	-1.76
7	A-F	Upstate Retirements	0.28	0.00	0.00	0.00
8	A-K	Gold Book Load Forecast	-0.19	-0.64	2.94	-0.86
9	A-K	Topology (Presented changes + Neptune Restored)	-0.44	-0.31	-0.44	-0.34
10	A-K	Gold Book DMNC Updates	0.34	-0.26	0.41	0.01
11	A-F	Run of River Shape Updates	-0.10	0.00	0.00	0.00
12	A-K	Non-SCR EOPs	0.14	0.09	0.14	0.10
13	A-F	New Wind Units	1.01	0.00	0.00	0.00
14	A-K	External Area Updates	0.08	0.02	0.01	0.02
15	A-K	Policy 5	0.40	0.24	0.40	0.31
		Sum of Material Changes	1.39	-4.27	5.63	-1.48
		Non Material Changes	-0.01	0.01	0.02	0.00
		<b>Preliminary Base Case Parametric Results **</b>	20.98	76.44	105.45	89.24

**\*\* The LCR values reported are neither Tan 45 results nor LCR Optimizer results. The actual optimized LCRs will be determined by the NYISO based upon the EC approved IRM and database model and approved by the NYISO's Operating Committee in January pursuant to Market Services Tariff Section 5.11.**

Non-Material Changes (Less than 0.05% delta on IRM)						
Number	Adjustment Type	Description	Impact on Margins			
			NYCA	NYC	LI	LHV
1	A-K	Database check	0.00	0.00	0.00	0.00
2	A-K	MARS Version Update (4.10)	0.00	0.00	0.00	0.00
3	A-K	Updated Winter LFU	0.00	0.00	0.00	0.00
4	G-K	Solar Shapes (2017 – 2021)	0.00	-0.01	-0.01	-0.01
5	A-F	Wind Shape Update	-0.04	0.00	0.00	0.00
6	A-F	Landfill Gas Shape Update	0.00	0.00	0.00	0.00
7	A-K	SCRs	0.03	0.02	0.03	0.01
		Sum of Non-Material Changes	-0.01	0.01	0.02	0.00

# Breakdown of LFU and DEC Peaker Deactivations Parametric Cases

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# 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?