



2022 - 2023 IRM Proposed MARS Topology Updates

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Capacity Market Operations – Resource Adequacy

NYSRC-ICS

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Objective

- Review LIPA dynamic limits, as mentioned during the June 2nd, 2021 ICS meeting

LIPA Dynamic Limits

- The NYISO received updates from the transmission owner
 - A decrease of load forecasted in the West of Newbridge area increases the Zone K to IJ limit in the one Barrett steam unit available scenario

Depends On:	Barrett1 and 2	
Units	ConEd-LIPA	
Available	IJ to K	K to IJ
2	1613	220
1	1613	200 220
0	1613	130

This update will be included in the Final Base Case

Questions?

2022

Topology for 2020 RNA Base Case: Study Years 2021-2023 Dynamic Limits and Groupings Information

Interface Group	Limit	Flow Equation
LI_WEST	134	(K to I&J) - 0.13*(K, NEPT)

Central East Voltage Limits, Oswego Complex Units

Depends On:	9MILP1, 9MILP2, FPNUC1, STHIND, OS05, OS06			
Units Available	E_to_F		E_to_FG	
	Fwd	Rev	Fwd	Rev
6		1999	4515	3400
5	2800	1999	4425	3400
4	2740	1999		3400
	2650		4290	
3		1999		3400
2	2605	1999	4230	3400
Otherwise	2490	1999	4055	3400
	2415		3935	

Staten Island Import Limits, AK and Linden CoGen Units

Unit Availability				J_to_J3	
AK02	AK03	LINCOG1	LINCOG2	Fwd	Rev
A	A	A	A	315	200
U	A	A	A	315	500
A	U	A	A	315	700
A	A	U	A	315	500
A	A	A	U	315	500
Otherwise				315	815

Depends On:	NPRTS1-4	
Units Available	LI_NE	
	Norwalk to K	K to Norwalk
4	260	414
Otherwise	404	414

Depends On:	Barrett1 and 2	
Units Available	ConEd-LIPA	
	IJ to K	K to IJ
2	1613	220
1	1613	200
0	1613	130

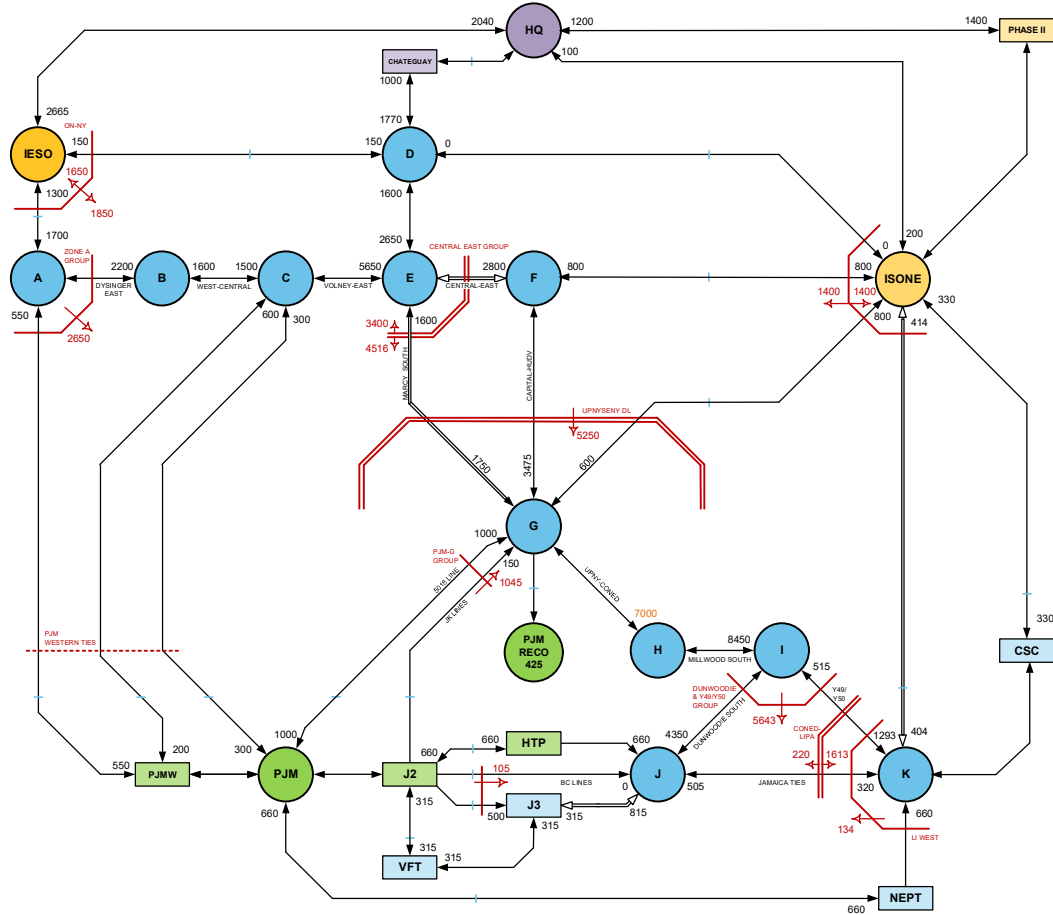
Voltage Limited Interfaces
Central East MARS
Central East Group
UPNY-ConEd

PJM-NY JOA Flow Distribution (Jan 31, 2017 filing)	425MW RECO Load Deliveries	1500MW PJM-NY Emergency Assistance
PJM-NY Western Ties	20%	46%
5018 Line	80%	32%
JK Lines	0%	15%
A Line	0%	7%
BC Lines	0%	0%

US DL Limit (MW)	Units Available		
	CPV	Cricket	Athens
5250	2	3	3
5100	2	3	2
5350	1	3	3
5200	2	2	3
5150	2	1	3
5250	1	1	3
5100	2	0	3
5350	All Other Conditions		

E_TO_G DL Limit (MW)	Units Available
	CPV
1750	2
2000	1
2250	0

Draft IRM 2022 Topology For New York Control Area



Notes

1. PJM to NY emergency assistance (EA) assumption for calculating the PJM-NY Western ties, PJM-G Group, and ABC Line Group flow distribution limit: 1500MW
2. NYCA EA simultaneous import limit: 3,500 MW
3. External areas representation based upon information received from the NPCC CP-8 WG

Legend

Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system

