

2024 – 2025 IRM Proposed MARS Topology Update

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ICS Meeting # 275

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Updated Limits for AC Transmission

- The AC Transmission Project is expected to be in service by May 2024
 - The latest project status update includes the target in service date of December 2023 ([LS Power Project Update March 2, 2023](#))
- The project is expected to increase the transfer limits from upstate to downstate. The updated transfer limits have been studied and included in the Short-Term Assessment of Reliability (“STAR”) for year 2024 ([2022 Q4 STAR](#))
- Therefore, for 2024-2025 IRM study, the following limits are proposed to change based on the year 2024 topology limits in the most recent STAR

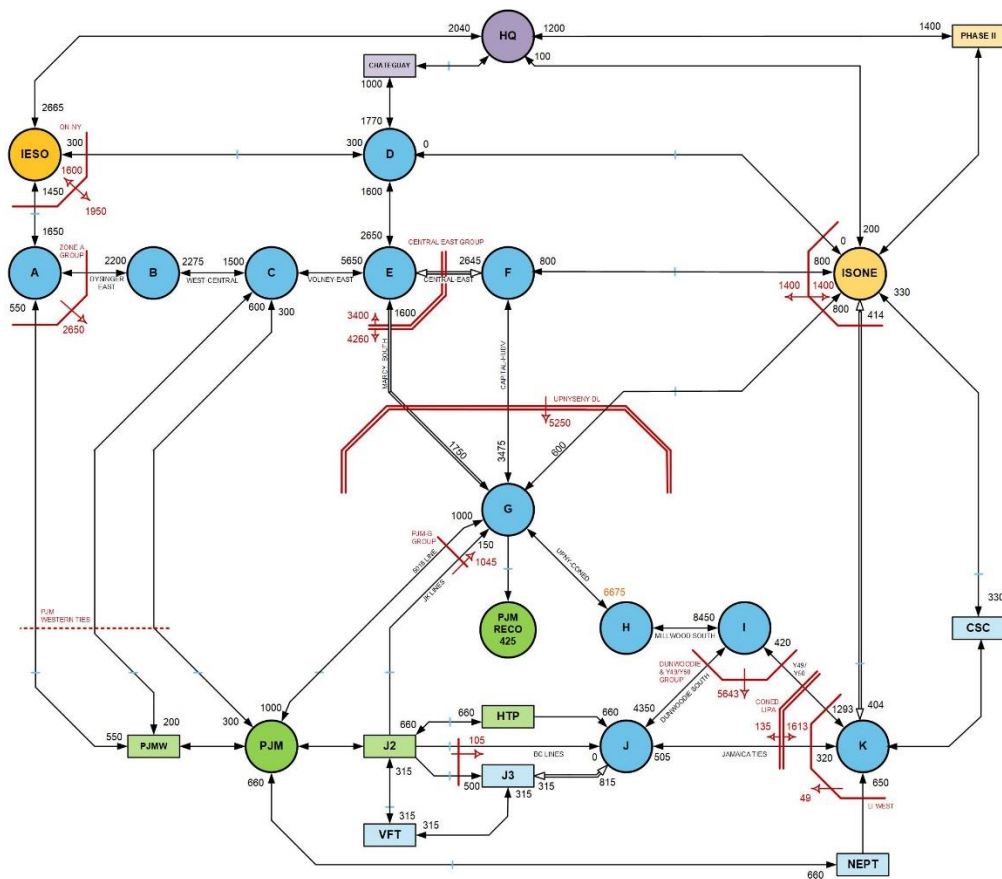
Updated Normal Limits

From	To	2023-2024 IRM (MW)	Proposed Change for 2024-2025 IRM (MW)	Delta
E	F	2645	3925	+1280
E	G	1750	2300	+550
F	G	3475	5400	+1925
G	H	6675	7050	+375
Upstate	Downstate	5250	7150	+1900
E	FG	4260	5650	+1390

Updated Dynamic Limits

Forward Limits (MW)	Central East (E to F)	Central East + Marcy Group (E to FG)
2023-2024 IRM	2645/2640/2585/ 2530/2440/2365	4260/4260/4185/ 4100/3970/3845
Proposed Change for	3925/3875/3815/ 3710/3595/3470	5650/5575/5490/ 5335/5160/4960
Delta	+1280/+1235/+1230/ +1180/+1155/+1105	+1390/+1315/+1305/ +1235/+1190/+1115

2023 – 2024 IRM Topology for New York Control Area



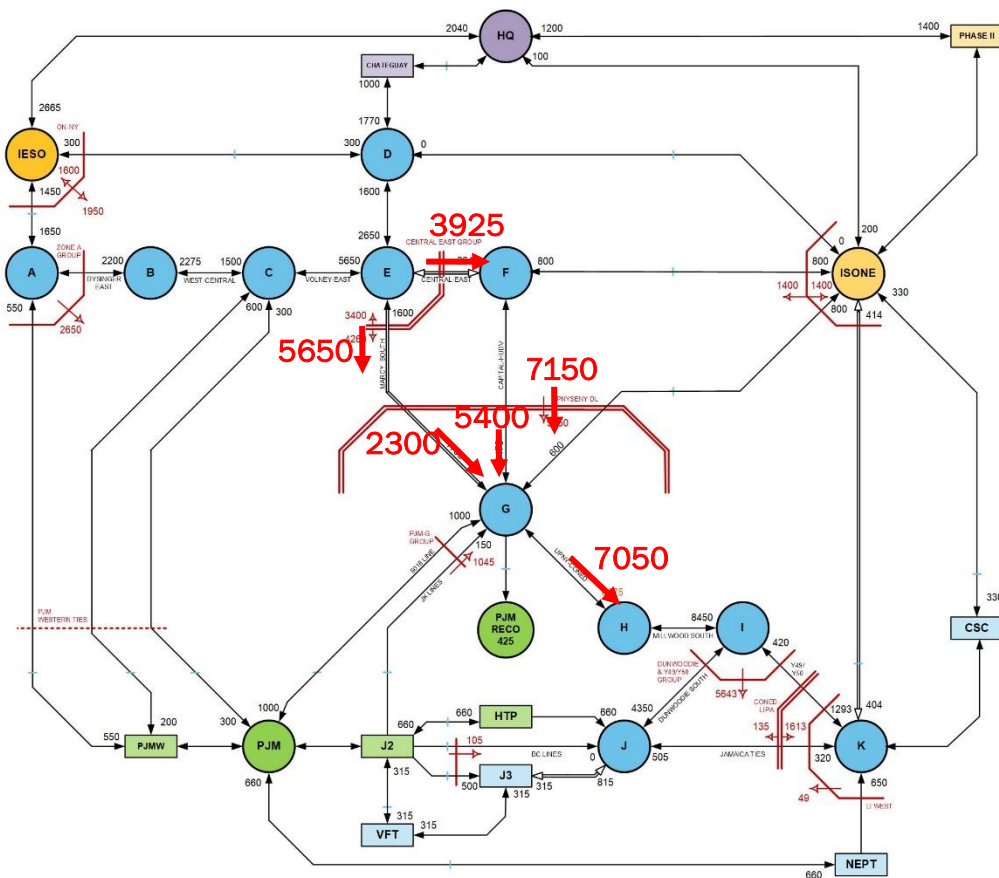
Notes

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-3 WG

Legend

- ↔ Interface
 - Unidirectional Interface
 - ↔ Interface w/ Dynamic Ratings
 - Interface Group
 - Interface Group w/ Dynamic Ratings
 - - - Monitoring Interface Group
 - / - NYCA EA Interface Group Marker
 - xx "Dummy Bubble" i.e. no load
- NOTE: An interface is considered to not have a MW limitation if no number is specified

Updated Transfer Limits with AC Transmission Project



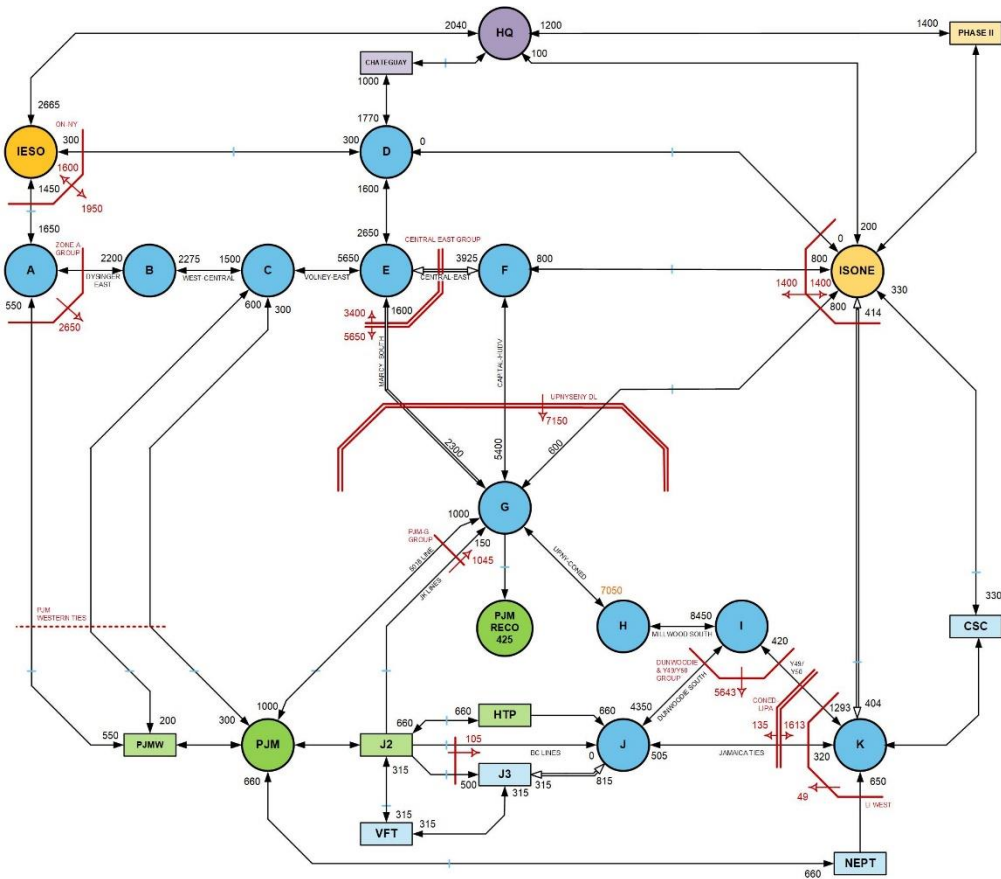
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1. PJM to NY emergency assistance (EA) assumption for calculating the PJM-NY Western ties, PJM-G Group, and ABC Line Group flow distribution limit: 1500MW
2. NYCA EA simultaneous import limit: 3,500 MW
3. External areas representation based upon information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

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Proposed 2024 – 2025 IRM 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
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Next Steps

- The NYISO continues to monitor and capture updates on the NYCA transmission system
- Additional topology updates, once identified, will be presented to the ICS for inclusion in the 2024 – 2025 IRM Preliminary Base Case

Our Mission & Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

Questions?