

2023 - 2024 IRM Proposed MARS Topology Updates

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Objective

- Update the topology for 2023 2024 IRM study
 - Update the West Central reverse limit
 - Update the Central East forward limits



Proposed West Central Reverse Limit

- The West Central Reverse Limit in the IRM has been 1600 MW since it was reviewed and approved by TPAS in 2017
- Based on the Summer 2022 Operating Study (to be published in June 2022), the West Central Reverse Limit will be 2275 MW
 - The West Central Reverse Limit is now part of the Summer 2022 Operating Study which captures the increased thermal ratings on the limiting circuit segments due to the local upgrades by the Transmission Owners
 - No significant changes to the conditions affecting the Summer 2022 West Central Reverse Limit are expected for summer 2023
- Therefore, for 2023-2024 IRM study, the negative (i.e. reverse) limit of the West Central Limit is proposed to change to 2275 MW

West Central Limit (MW)	Positive	Negative
2022-2023 IRM	1500	1600
Proposed change for 2023-2024 IRM	1500	2275
Delta	N/A	+675



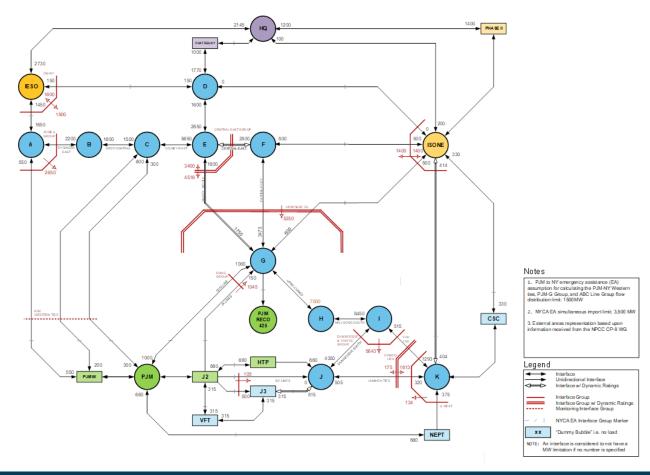
Proposed Central East Forward Limits

- The Central East forward limits were updated in the 2022-2023 IRM study, based on the derate due to Porter-Rotterdam (30 & 31) being out of service
 - The same derate is also applied to the limit of Central East + Marcy group (2022-2023 IRM Appendix Table A.11)
- The base limits for Central East were updated in the April 2022 Central East Voltage Collapse Limit Analysis with consideration of retirement of Porter-Rotterdam (30 & 31) and Segment A Project construction, which is expected to continue in summer 2023
 - The Central East Voltage Collapse base limits consist of 6 different statuses of the Oswego AVR units (<u>April Central East VC Limit</u>)
- Therefore, for 2023-2024 IRM study, the forward limits for Central East are proposed to change according to the Central East voltage collapse base limits
 - Proportional adjustments are also applied to the limit of Central East + Marcy group as no changes are proposed for Marcy South limits

Forward Limits (MW)	Central East	Central East + Marcy Group
2022-2023 IRM	2800/2740/2650/	4515/4425/4290/
	2605/2490/2415	4230/4055/3935
Proposed Change for	2645/2640/2585/	4260/4260/4185/
2023-2024 IRM	2530/2440/2365	4100/3970/3845
Delta	-155/-100/-65/-75/-50/-50	-255/-165/-105/-130/-85/-90

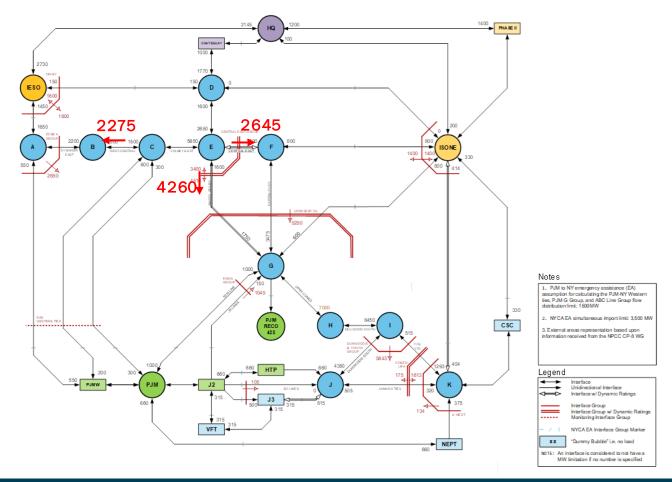


2022-2023 IRM Topology For New York Control Area





Proposed 2023-2024 IRM Topology For New York Control Area





Questions?



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

