

NYISO Winter 2023 Operating Study Report

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System Operating Advisory Subcommittee(SOAS):

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Topics

- **Changes in Generation**
- **Changes in Transmission**
- **Changes in Operating Capabilities**
- **Anticipated Interface Limit Changes**

Generation Deactivations Since Winter 2022-23

- Astoria GT Groups 2, 3, & 4 -558 MW
- Ravenswood 10 -25 MW
- Ravenswood 01 -19 MW
- 74th St. GT 1 & 2 (Local Reliability Only) -37 MW

- **TOTAL** -**639 MW**

Generation Additions Since Winter 2022-23

▪ South Fork Wind I & II	136 MW
▪ East Point Solar	50 MW
▪ Homer Solar Energy Center	90 MW
▪ Puckett Solar	20 MW
▪ Regan Solar	20 MW
▪ Grissom Solar	20 MW
▪ Total	336 MW

Changes in Transmission Since Winter 2022-23

■ Modeled out-of-service

- East 13th Street (BK17) 345/69 kV transformer modeled out of service
- East 13th Street (TR4) 138/69 kV transformer modeled out of service
- Pleasant Valley – Wood Street (F31) 345 kV line modeled out of service
- Wood Street – Millwood (W81) 345 kV line modeled out of service
- West 49th Street (TR4) 345/138/ kV Transformer modeled out of service
- Fraser SVC modeled out of service
- Adirondack – Porter (12) 230kV line modeled out of service
- Willis – Patnode (WPN-1) 230 kV line modeled out of service
- Moses– Willis (MW1) 230 kV line modeled out of service

■ Modeled in-service

- Sprainbrook – East Garden City (Y49) 345 kV modeled in service
- Eastview – Grassland (38W52) 138 kV line returned in service
- Eastview – Elmsford (38W34) 138 kV line returned in service
- Moses (AT2) 230/115 kV transformer returned in service
- Moses – Adirondack (MA1) 230 kV line returned in service

Additions in Transmission Since Winter 2022-23

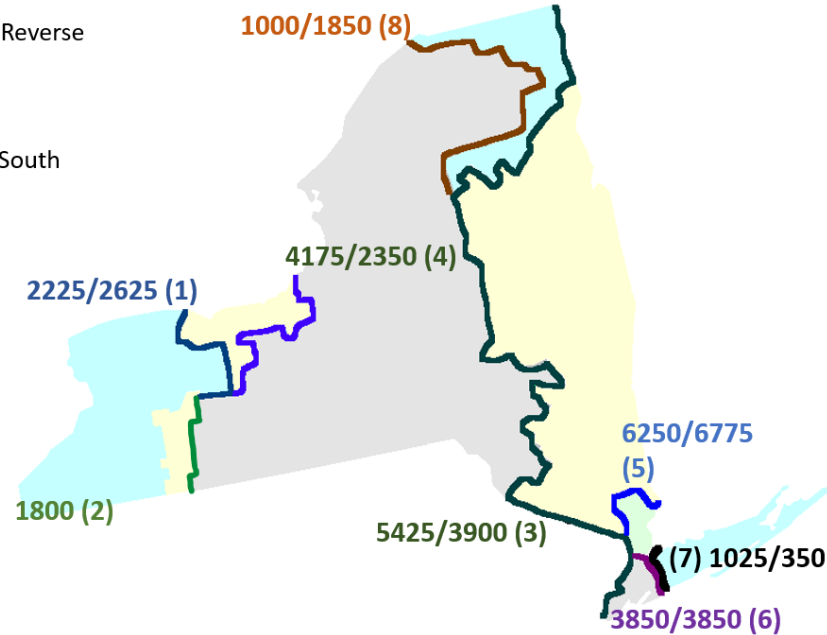
■ Addition

- Segment A Project
 - Princetown Station
- Segment B
 - Knickerbocker Station
 - Van Wagner Station
- Corona – Rainey (R5W) 138 kV PAR
- Corona – Rainey (36188) 138kV line
- Rainey (5W) 345/138 kV Transformer

Changes in Internal Thermal Transfer Limits

Winter 2023-24 / Winter 2022-23

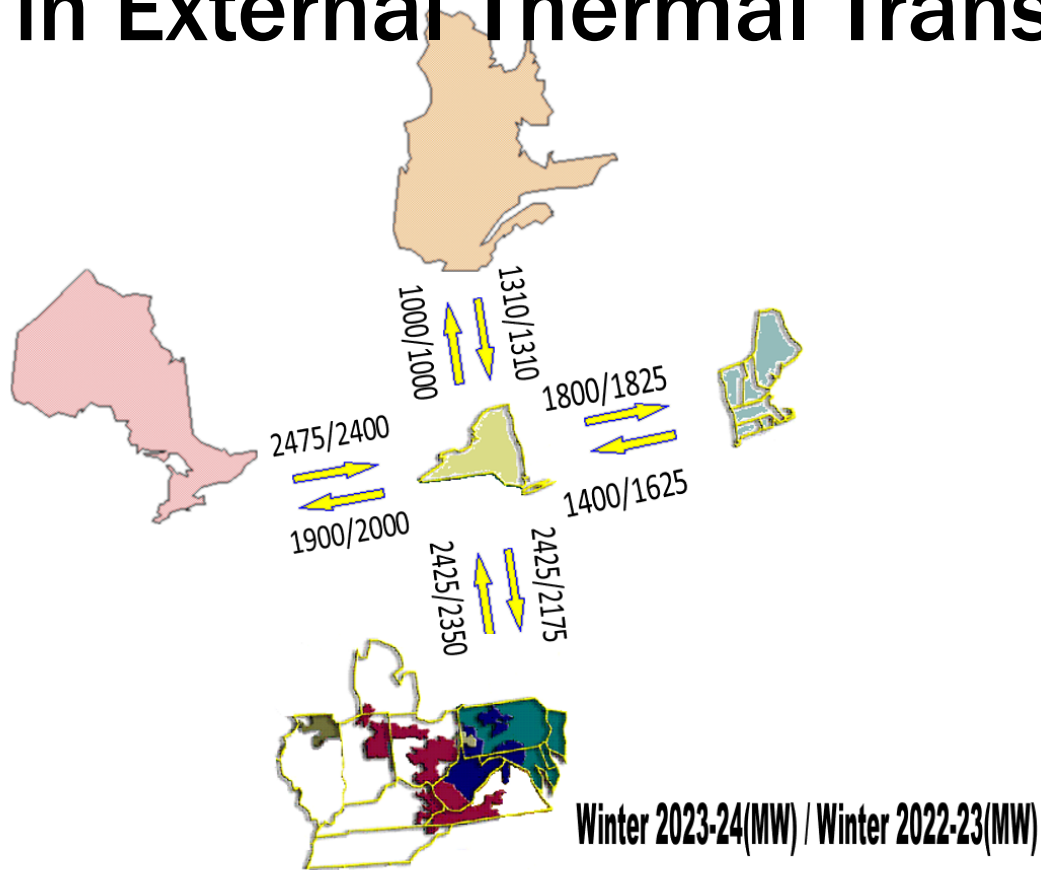
- (1) Dysinger East
- (2) West Central Reverse
- (3) Total East
- (4) Central East
- (5) UPNY-ConEd
- (6) Sprn / Dun – South
- (7) ConEd – LIPA
- (8) Moses South



Changes in Internal Thermal Transfer Limits

- **Dysinger East** interface thermal transfer limit decreased by 400 MW. This is mainly due to the change in schedule of the Dysinger PAR from 100 MW in Winter 2022-23 period to 400 MW in Winter 2023-24.
- **Total East** interface thermal transfer limit increased by 1525 MW. This is mainly due to the modeling of Segment A & B project.
- **Central East** interface thermal transfer limit increased by 1825 MW. This is mainly due to the modeling of Segment A & B project.
- **UPNY-ConEd** interface thermal transfer limit decreased by 525 MW. This is mainly due to the modeling of Pleasant Valley – Wood Street (F31) 345 kV and Wood Street – Millwood (W81) 345 kV lines out-of-service.
- **ConEd-LIPA** interface thermal transfer limit increased by 675 MW. This is mainly due to the return of Sprainbrook – East Garden City (Y49) 345 kV line to in-service.
- **Moses South** interface thermal transfer limit decreased by 850 MW. This is mainly due to the modeling of Adirondack – Porter (12) 230 kV, Moses – Willis (MW1) 230 kV, and Willis – Patnode (WPN-1) 230 kV lines out-of-service.

Changes in External Thermal Transfer Limits



Changes in External Thermal Transfer Limits

- **ISO-NE – NYISO** interface thermal transfer limit decreased by 225 MW. This is mainly due to the return of Sprainbrook – East Garden City (Y49) 345 kV line to in-service.
- **NYISO – PJM** interface thermal transfer limit increased by 250 MW. This is mainly due to the change in dispatch assumption of PJM.
- **PJM – NYISO** interface thermal transfer limit increased 75 MW. This is mainly due to the redistribution of flows due to the Segment A & B project.
- **IESO – NYISO** thermal transfer limit increased by 75 MW. This is mainly due to the change in schedule of the Dysinger PAR.
- **NYISO – IESO** thermal transfer limit decreased by 100 MW. This is mainly due to the change in schedule of the Dysinger PAR.

Next Steps

- **Seeking Approval at the Operating Committee (OC) meeting on November 16, 2023**

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