

# NYISO Summer 2024 Operating Study Report

---

Declan Cahill

Engineer, Operations Engineering (NYISO)

**System Operations Advisory Subcommittee (SOAS):**

May 09, 2024

# Topics

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

# Generation Deactivations Since Summer 2023

■ Ravenswood - 1	-22 MW
■ South Cairo GT	-19 MW
■ Western NY Wind Power	-7 MW
■ Arthur Kill Cogen	-11 MW
■ <b>TOTAL</b>	<b>-59 MW</b>

# Generation Additions Since Summer 2023

▪ ClearView Solar	20 MW
▪ Dolan Solar	20 MW
▪ CS Hawthorn	20 MW
▪ Hills Solar	20 MW
▪ East Point Solar	50 MW
▪ High River Solar	90 MW
▪ Riverhead Expansion	36 MW
▪ KCE NY 6	20 MW
▪ Darby Solar	20 MW
▪ Stillwater Solar	20 MW
▪ <b>Total</b>	<b>316 MW</b>

# Changes in Transmission Since Summer 2023

## ■ Modeled out-of-service

- Elm Street 230 kV Transformer modeled out of service
- Plattsburgh (AT4) 230/115/14 kV transformer modeled out of service
- Willis – Ryan (WRY-2) 230 kV line modeled out of service
- Rotterdam – Swagertown (44) 115 kV line modeled out of service
- Greenidge – Montour Falls (967) 115 kV modeled out of service
- Shawnerd – Lockport (104) 115 kV modeled out of service
- E13 St. (BK13) 345/69 kV transformer modeled out of service

## ■ Modeled in-service

- St. Lawrence – Moses (L34P) modeled in-service

# Additions in Transmission Since Summer 2023

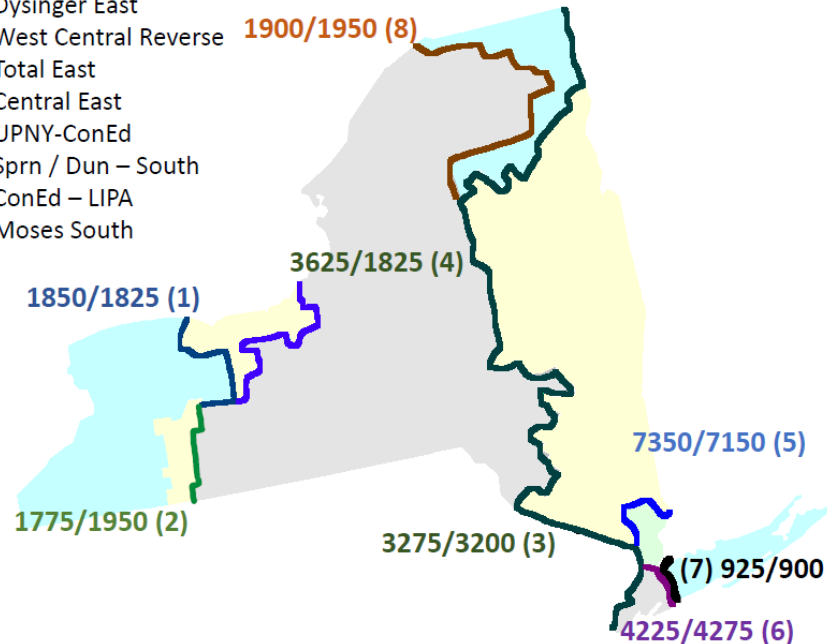
- **Additions**

- Lovett 345 kV Addition
- Edic – Princetown (351 & 352) 345 kV lines

# Changes in Internal Thermal Transfer Limits

Summer 2024/Summer 2023

- (1) Dysinger East
- (2) West Central Reverse 1900/1950 (8)
- (3) Total East
- (4) Central East
- (5) UPNY-ConEd
- (6) Sprn / Dun – South
- (7) ConEd – LIPA
- (8) Moses South

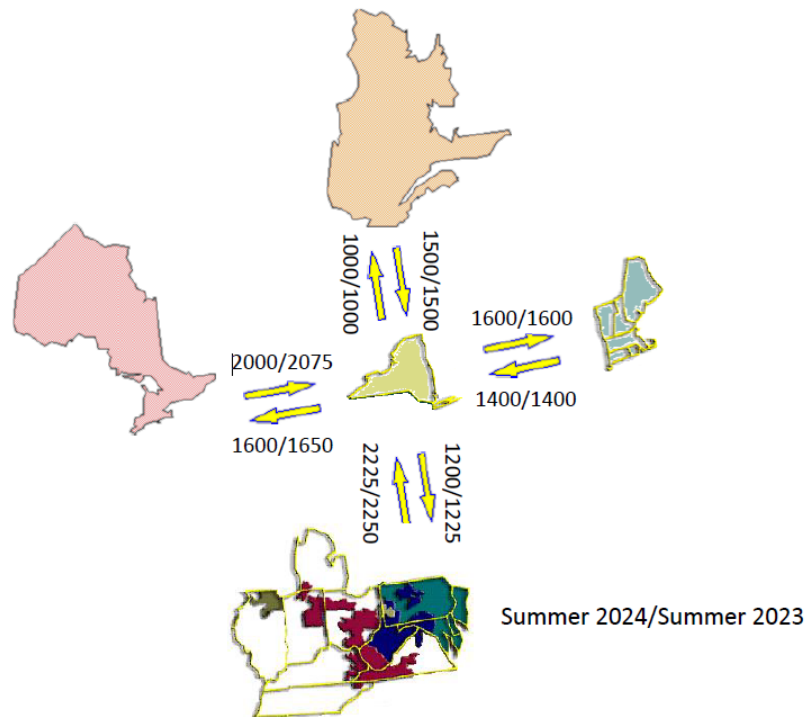


# Changes in Internal Thermal Transfer Limits

- **West Central Reverse interface thermal transfer limit decreased by 175 MW**
  - This is mainly due to the redistribution of flows attributed to change in load pattern in West and Genesee areas.
- **UPNY-SENY interface thermal transfer limit increased by 1000 MW**
  - Mainly due to the addition of Lovett station as well as ratings increase on the previously limiting DART-44 line.
- **UPNY-ConEd interface thermal transfer limit has increased 200 MW**
  - This is mainly due to the addition of Lovett station
- **Sprainbrook Dunwoodie-South interface thermal transfer limit has decreased by 50 MW**
  - This is mainly due to the addition of the Edic – Princetown 351 & 352 lines and the addition of Lovett station.
- **Central East interface thermal transfer limit increased by 1825 MW**
  - This is mainly due to the addition of the Edic – Princetown 345 kV lines 351 & 352.
- **Total East interface thermal transfer limit increased by 75 MW**
  - This is mainly due to the addition of the Edic – Princetown 345 kV lines 351 & 352.
- **Moses South interface thermal transfer limit has decreased by 50 MW**
  - This is mainly due to the redistribution of flows in North area.



# Changes in External Thermal Transfer Limits



# Changes in External Thermal Transfer Limits

- **NYISO – Ontario interface thermal transfer limit decreased by 50 MW**
  - This is mainly due to reduced line ratings on the Beck – Niagara (PA27) 230 kV tie line due to ongoing work.
- **Ontario - NYISO interface thermal transfer limit decreased by 75 MW**
  - This is mainly due to reduced line ratings on the Beck – Niagara (PA27) 230 kV tie line due to ongoing work.

# Next Steps

- **Seeking Approval at the Operating Committee (OC) meeting on May 16, 2024**

# 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