CECONY's
Local Transmission Plan (LTP)

ESPWG Update
January 21, 2025

Series Reactor Status
(Winter / Light Load System Conditions)

CECONY's LTP - Series Reactor Status

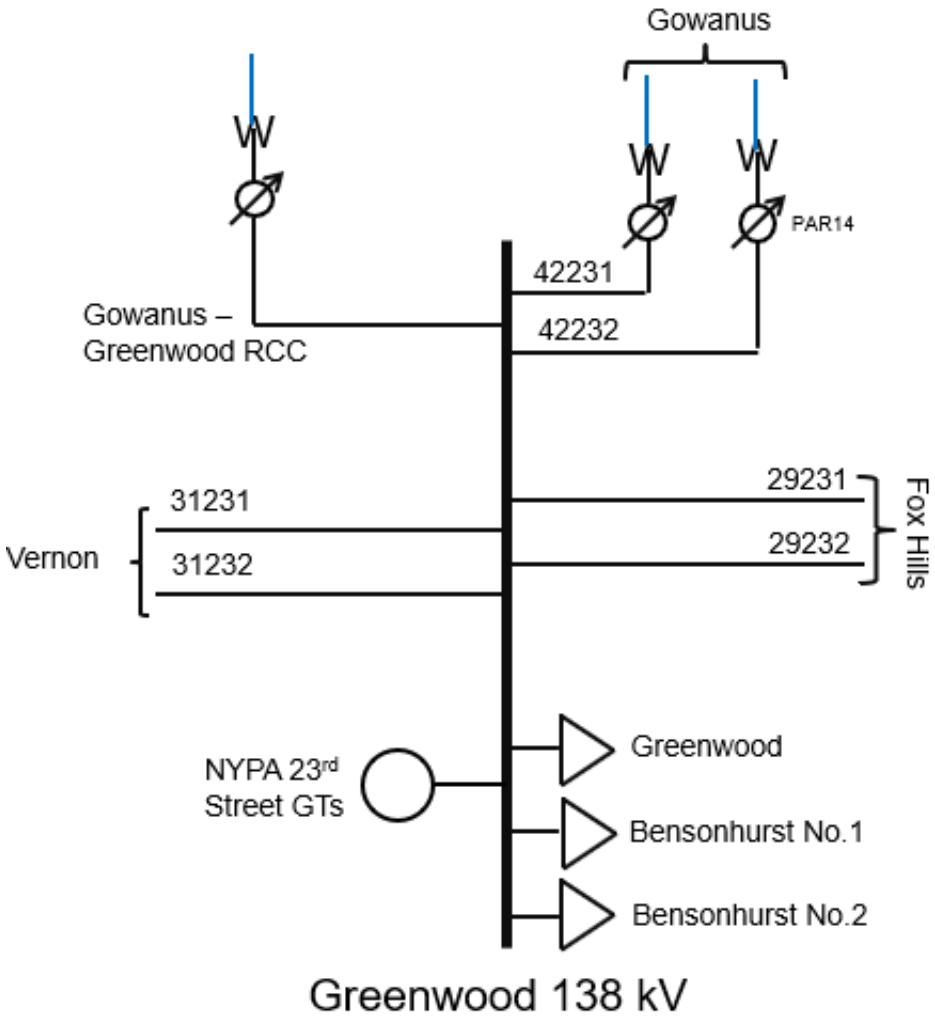
Winter / Light Load System Conditions – Y49 Series Reactor will be operated in the "by-pass" mode

CECONY's 345 kV Series Reactors	Prior Configuration	New Configuration
41	In-Service	In-Service
42	In-Service	In-Service
Y49	In-Service	**By-passed**
M51	By-passed	By-passed
M52	By-passed	By-passed
71	By-passed	By-passed
72	By-passed	By-passed

Greenwood 138 kV
Transmission Load Area (TLA)

CECONY's LTP – Greenwood 138 kV TLA

- The Greenwood 138 kV TLA is supplied by transmission feeders from other parts of the Con Edison system, the NYPA gas turbines, and the Gowanus and Narrows Barges
  - Reliable Clean City (RCC) 3rd Gowanus / Greenwood and Goethals / Fox Hills 345/138 kV PAR controlled feeders will be placed into service by summer 2025
    - Designed to maximize carrying capacity
  - Gowanus and Narrows barges assumed to be available in 2025 and unavailable beginning with the 2026 summer operating season
    - To address the need identified in the 2023 Q2 STAR, the NYISO designated the generators on the Gowanus 2 & 3 and Narrows 1 & 2 barges to temporarily remain in operation after the DEC Peaker Rule compliance date (May 1, 2025) until permanent solutions to the Need are in place, for an initial period of up to two years (May 1, 2027)



CECONY's LTP – Greenwood 138 kV TLA

- Greenwood 138 kV Transmission Load Area (TLA) is designed to N-1/-1
  - N-1/-1: One element out of service with the system secured for the loss of the next element
- A new local reliability need has been identified within the Greenwood 138 kV TLA
  - Incremental to needs identified in 2020 and addressed by RCC transmission lines
- **Con Edison Local Solution – FIRM:** 4th Gowanus – Greenwood 345/138 kV PAR controlled feeder
  - To be placed in service before May 2026

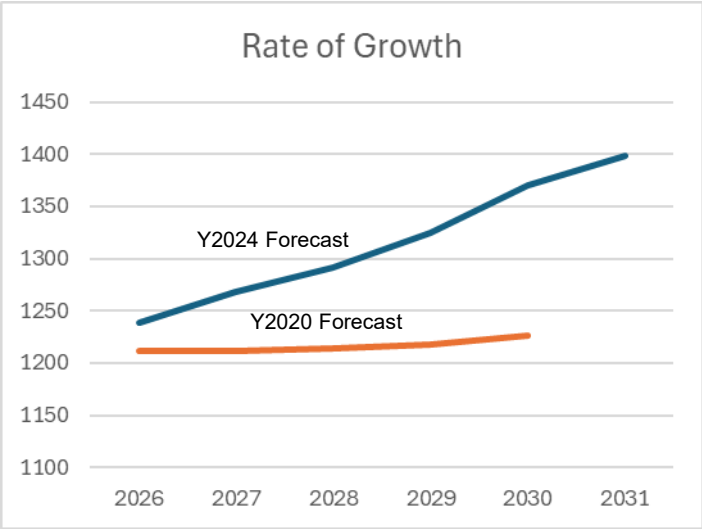
Year	Headroom / Deficiency*
2025	~ 320 MW
2026	(170 MW)
2027	(220 MW)
2028	(220 MW)
2029	(270 MW)
2030	(320 MW)
2031	(360 MW)
2032	(250 MW)
2033	(140 MW)
2034	(170 MW)

* Deficiencies shown in the table are different from NYISO 2024 RNA report due to updated CECONY forecast.

CECONY's LTP – Greenwood 138 kV TLA

- Key Drivers of the Greenwood TLA Need include:
  - Load growth
    - Demand in the Greenwood TLA has continued to grow, driven by new business, electric vehicles, and building electrification

	Y2026	Y2027	Y2028	Y2029	Y2030	Y2031	Y2032	Y2033	Y2034
Greenwood 138 kV TLA (MW):	1,239	1,268	1,292	1,325	1,370	1,399	1,310*	1,197*	1,227
Add. load since 2020 (MW**):	+ 27	+ 56	+ 78	+ 106	+ 144	n/a			



    - Add. load in the neighboring TLAs limits the amount of support toward Greenwood 138 kV TLA
  - Evolving System Topology
  - Other changes to study methodology and parameters

* Future Load Transfers
** Reactive component not shown. Ex. A 100 MW load also includes 33 MVAR (plus system losses)

Thank you!