

National Grid 2026 LTP – Criteria & Assumptions

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national**grid**



Planning Criteria

Criteria basis

TGP-28 Version 6

- In April 2023: Updated footnotes in Section 5.5.2 regarding three-breaker ring buses

Asset condition included as LTP criteria

Radial facilities

Included in TGP-28: For applicable outages, radial-facility loading is limited to Seasonal Normal because redispatch, load transfers, or switching cannot reduce loading without load shedding.

Adjacent circuits

National Grid applies the updated NPCC definition and treatment for adjacent circuits on the same structure.

Operational treatment

Consequential load shedding is appropriate, non-consequential shedding is temporary, Generation ride thru as per National Grid Electric Service Bulletin 756 and applicable NERC/NPCC/NYSRC Reliability Rules.

Connections

Transmission load connections adhere to:
TGP-28, ESB 750 & 751 & 752, NMPC PSC NO 220 Rule 22 on Leaf 111, and Rule 28.2 on Leaf 146.

Transmission generator connections generally require a three-breaker ring unless stated exceptions apply:

1. Generation connected to a radial transmission line or a tap of a radial transmission line [emanates from a single station with one or more breakers that switch the line out of service]; or
2. Generation connected to an existing Transmission station through a dedicated transmission line.

Study horizon, cases and software

Horizon and seasons

Near term: 1 year
Short term: 1 to 5 years
Long term: 6 to 10 years

Summer and winter
Light load in year 5 only

Cases used

Cases supplied from NYISO Annual Database update process and annual FERC 715 updates

Year 1: 2027 50/50 & 90/10 summer winter and light load

Year 5: 2031 50/50 & 90/10 summer, winter and light load

Year 10: 2036 50/50 summer and winter

Software

Siemens PSS/E 35.6
PowerGEM TARA 2503 / 2602
ASPEN OneLiner 15.9

Versions selected for compatibility with NYISO cases

Base Case Assumptions & Sensitivities

Base case assumptions

Dispatch per NYISO

Customer loads within areas are adjusted but scaled to match NYISO load zones forecast

Approved projects are included according to stated in-service assumptions

Other renewable projects are not assumed beyond the cases supplied by NYISO

CLCPA Phase 1 and Phase 2 projects are assumed in service no later than 2030.

Sensitivity set

Imports into or exports from New York to stress internal and external interfaces

EV charging scenarios

Nine large-load projects in the NYISO queue across Zones A-F

Fossil-fuel generation dispatch varied from the NYISO-provided dispatch

NG did not assume other renewable energy projects were in-service beyond the cases provided by the NYISO

Material changes from last LTP

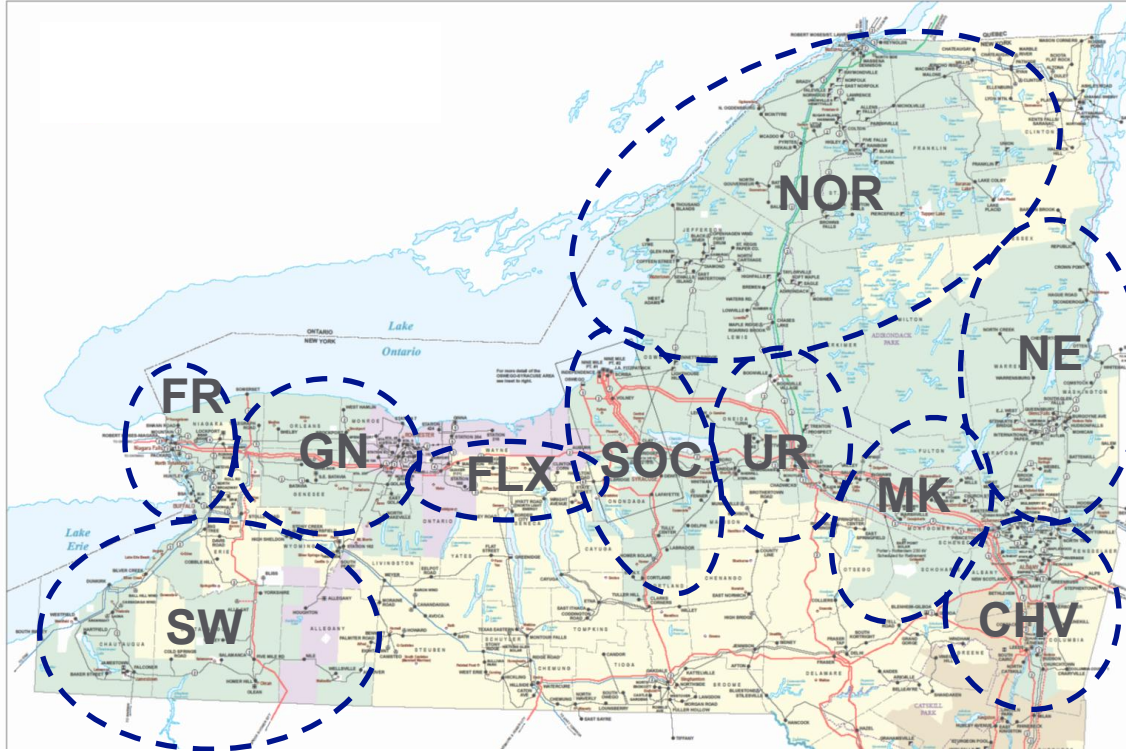


National Grid presented an update to LTP on August 20th at TPAS/ESPWG, LTP presentations can be found on NG OASIS site



All changes due to project scheduling and forecasting changes not basic study assumptions

National Grid Planning Areas



Base Map from NYISO

There are 10 planning areas with reports bundled as shown below:

- **FR** – Frontier & **SW** - Southwest
- **GN** – Genesee & **FLX** - Finger Lakes
- **SOC** - Syracuse/Oswego/Cortland
- **NOR** – Northern & **UR** - Utica/Rome
- **MK** - Mohawk
- **NE** – Northeast & **CHV** - Capital/Hudson Valley

National Grid LTP Criteria

Interested parties may submit written comments on National Grid's LTP Criteria in accordance with Order 1920 to:

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This LTP Criteria will be posted on the National Grid OASIS website.

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