

National Grid 2023 Local Transmission Plan

Mark Forchilli, PE
November 21, 2023

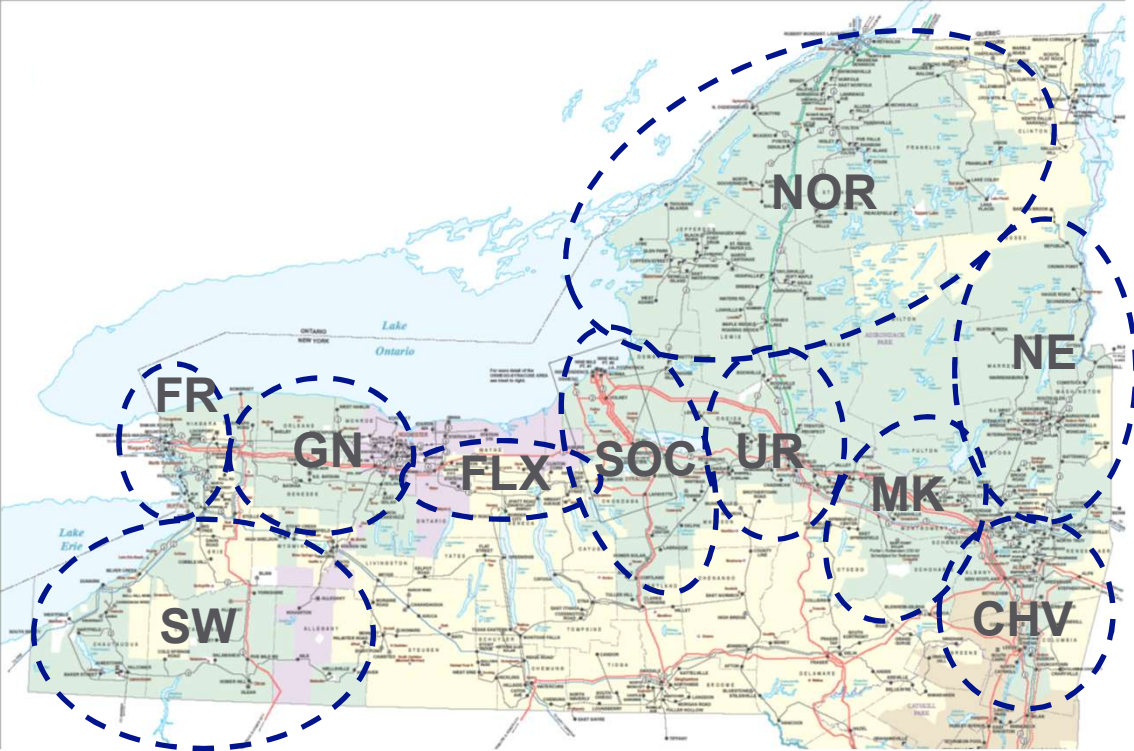
nationalgrid



National Grid Statistics - NY

# Customers	1,676,866
LSE Square Miles	25,013
Transmission Ckt Miles	5,720
Tx 69 & 115kV Ckt Miles	4,592
# Tx Substations	192
# Dx Substations	515
# Power of Transformers	1,169
# Circuit of Breakers	4,835
NYISO Zones	A - F

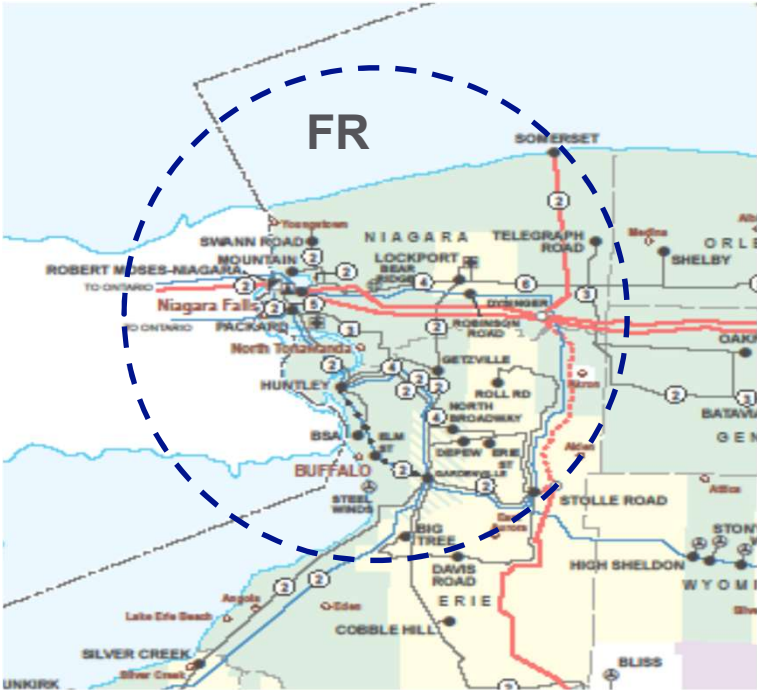
National Grid Planning Areas



Base Map from NYISO

- 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

Frontier



Buffalo-Gardenville- Niagara Falls-
Lockport
(Erie & Niagara Counties)

Base Map from NYISO

Frontier (1 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Royal Ave (New Harper) Station replacement	Replace old Harper station with 115/34.2kV Royal Station	Not Applicable	Not Applicable	Completed	05/2021
Seneca TR5 Replacement	115-23kV transformer replacement	Not Applicable	Not Applicable	Completed	07/2021
Niagara-Packard 191 Reconductor	115kV, ~3.7 miles (entire line)	Not Applicable	Not Applicable	Completed	11/2021
Niagara-Packard 192 Reconductor	115kV, ~3.7 miles (entire line)	Not Applicable	Not Applicable	Completed	11/2021
Niagara-Packard 193/194 Reconductor	115kV, Reconductor ~3.7miles (entire double circuit line)	Not Applicable	Not Applicable	Completed	06/2022
Kensington TR4 & 5 Replacement	115-23kV transformers at Kensington	Not Applicable	Not Applicable	Completed	06/2023
Lockport 108 Alt Breaker	Install R264 at Lockport for line 108 and operate as alternate breaker for line 108 at Lockport	Not Applicable	Not Applicable	Completed	09/2023

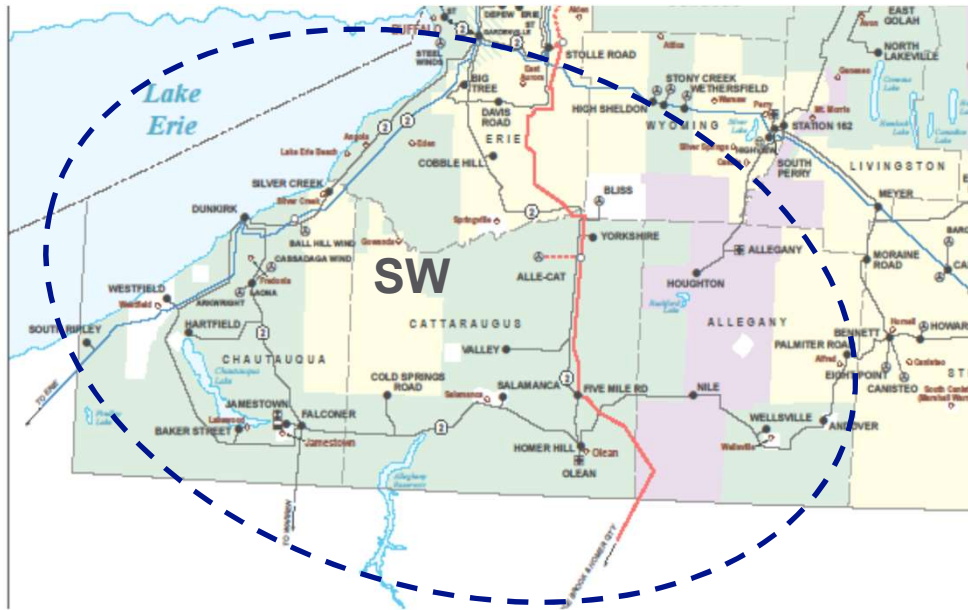
Frontier (2 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Lockport-Mortimer 103/104 Reconfiguration	Reconductor 4 spans of Lockport-Mortimer 103 & 104 between structures 55 and 57 with 795 ACSR. Swap 103/104 positions at Lockport station	Not Applicable	Not Applicable	Planned	04/2024
Elm St TR2 Replacement	240-24kV transformer replacement including relay configuration upgrades	Not Applicable	Not Applicable	Under Construction	11/2025
Industrial Customer 115kV (Niagara)	The Customer has requested 115kV service to replace their existing 12kV service.	Not Applicable	Not Applicable	Planned	11/2025
Packard Replace OCBs	The replacement of the three 115kV OCBs with SF6 breakers.	Not Applicable	Not Applicable	Planned	02/2026
Packard-Huntley 130/133	115kV, ~9 miles of double circuit reconductoring (Sta 78 to Huntley)	Not Applicable	Not Applicable	Planned	01/2027

Frontier (2 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Huntley-Lockport 36/37 Resiliency	Add breakers on Huntley side of Getzville, move Ayer Rd Taps	Not Applicable	Not Applicable	Planned	04/2027
Packard-Gardenville Reconfiguration 115kV Lines 180, 182, 181-922	Install additional breakers at Gardenville, reactors at Packard, bussing of existing 181, build Line 922 to Gardenville, Niagara-Gardenville 180 on old 181/91	Not Applicable	Not Applicable	Planned	02/2028
Lockport Station Rebuild	Replace existing 115kV Lockport station with greenfield station breaker-and-a-half, including extending the transmission lines to new greenfield location.	Not Applicable	Not Applicable	Planned	11/2029
Katherine Street Terminal Station 115kV/23kV	New terminal station connected to the existing Ohio Street 145/146 lines	Not Applicable	Not Applicable	Planned	07/2031

Southwest



South of Buffalo/Gardenville,
Dunkirk, Olean

Southern Erie, Chautauqua,
Cattaraugus, Allegany
Counties

Base Map from NYISO

Southwest (1 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Q759 KCE NY6 T-line	115kV tap off Line 150 for Developer 20MW BESS	Completed	Not Applicable	Completed	06/2022
Big Tree Interconnect Line 151	115kV, Big Tree Substation - AVANGRID Station Expansion, loop-in-loop-out with Line 151	Not Applicable	Not Applicable	Completed	12/2022
Dunkirk Station Rebuild	Rebuild Dunkirk Transmission Station/Asset Separation	Not Applicable	Not Required	Completed	12/2022
Industrial Customer 115kV (Chautauqua)	(2) 115kV, ~200 feet Taps to Customer Station	Not Applicable	Not Applicable	Completed	12/2022
Industrial Customer 115kV (Erie)	115kV Taps to Customer Station	Not Applicable	Not Applicable	Completed	02/2023

Southwest (2 of 3)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
Q505 Ball Hill Wind Project	Install facilities to interconnect the Wind generation facility to the 230 kV via a new three (3) breaker ring bus substation (Stebbins Road Station)	Completed	Not Applicable	Completed	04/2023
Industrial Customer Upgrade 34.5kV	Add 34.5kV breaker and associated equipment to Machias Station.	Not Applicable	Not Applicable	Under Construction	12/2023
Nile Hill Upgrades on Line 157	Replace switches and 900 feet of conductor with 795 ACSR between structure 288 and 292 (CLCPA)	Not Applicable	Not Applicable	Planned	01/2024
Q596 Alle Catt II Wind Project	Install facilities to interconnect the Invenergy Wind project with new (3) breaker ring bus substation (Lime Lake Road Station).	Completed	Not Applicable	Planned	04/2025
Dunkirk-Falconer 160 Rebuild/CCR	115kV replace ~180 towers, including correcting conductor clearance	Not Applicable	Not Applicable	Planned	06/2026

Southwest (3 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Gardenville-Dunkirk 141/142 Rebuild (North)	115kV Rebuild Gardenville to North Angola with 795 ACSR (~20 miles)	Not Applicable	Required	Under Construction	06/2026
Dunkirk-Falconer Resiliency	Add line sectionalizing scheme to Berry Road and Baker Street stations for customer resiliency, bypass around West Ashville station for breaker installation at West Ashville.	Not Applicable	Not Applicable	Planned	07/2027
Homer Hill Station Asset replacement	Replace five 115kV & 34.kV Oil Circuit Breakers with SF6 breakers	Not Applicable	Not Applicable	Planned	06/2028
Gardenville Dunkirk 141/142 (South)	115kV Rebuild North Angola to Dunkirk with 795 ACSR (~20 miles)	Not Applicable	Required	Planned	06/2031
Dunkirk-Laona 161/162 Reconductor	115kV Reconductor approximately 5 miles (CLCPA)	Not Applicable	Not Applicable	Planned	06/2026

Genesee



Base Map from NYISO

Lockport, Batavia, Avon, Mortimer

Eastern Niagara, Orleans, Genesee, Wyoming, Livingston, Monroe, Ontario Counties

Genesee (1 of 3)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
Rochester Airport Cables 111,113,114	Replace 115kV cables	Not Applicable	Not Required	Completed	02/2023
Batavia Replace OCBs	115kV replace 5 OCB's with SF6 breakers, disconnects associated replaced as well	Not Applicable	Not Applicable	Completed	08/2023
Mortimer Substation Upgrade	Relay upgrades for AVANGRID	Not Applicable	Not Required	Under Construction	11/2023
Mumford 115kV Terminal Upgrade	115kV, Upgrade four disconnects and station connections, including new cap bank (CLCPA)	Not Applicable	Not Required	Under Construction	01/2024
North Leroy 115kV Terminal Upgrade	115kV, Replace two existing disconnects, including the connected conductor spans (CLCPA)	Not Applicable	Not Required	Planned	04/2024

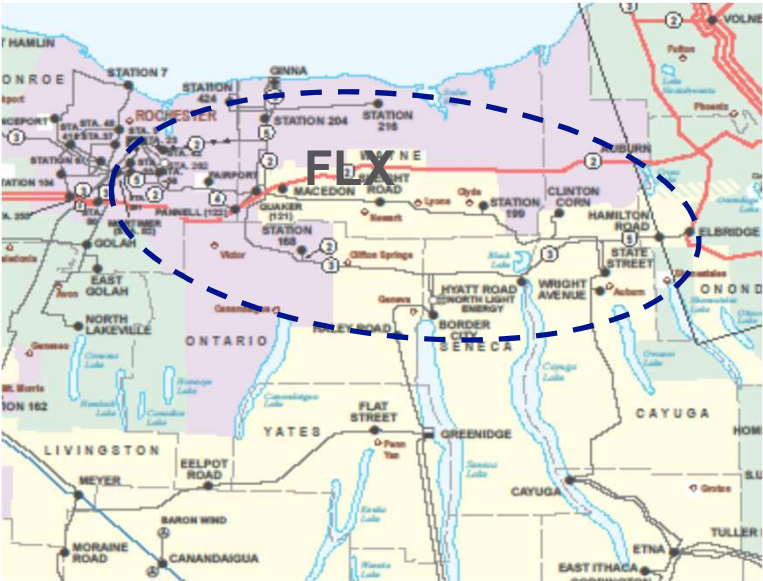
Genesee (2 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Industrial Customer 115kV (Genesee)	115kV Transmission Service to New Customer. Relocation of the section of the Lockport-Batavia Line 112 between structures 173 and 188 including a new service line from the new station to customer. The station is being built connected to NYPA's 345kV.	Completed	Not Required	Under Construction	12/2024
Lockport - Batavia 112 Rebuild	Rebuild 115kV from Lockport to Oakfield (~22ckt miles)	Not Applicable	Required	Planned	04/2027
Mortimer-Golah 109	Upgrade the existing 69kV bay to 115kV at Mortimer and replace the 69kV Line 109 with a new under 10 mile 115kV circuit on a new alignment.	Not Applicable	Not Required	Planned	06/2027
Mortimer-Golah 110	Rebuild approximately 10 miles to 795MCM 26/7 ACSR double-bundled or equivalent	Not Applicable	Not Required	Planned	06/2027

Genesee (3 of 3)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
Southeast Batavia-Golah 119 Rebuild	115kV, Rebuild approximately 15.9 miles of the SE Batavia - Golah #119. In order to complete this project a bypass is required on the LN119. (CLCPA)	Not Applicable	Not Required	Planned	04/2028
Golah Sub Rebuild	115kV, Rebuild Golah Transmission Substation to accommodate a new source to East Golah and N Lakeville stations (CLCPA)	Not Applicable	Not Required	Planned	05/2028

Finger Lakes



Base Map from NYISO

Mortimer – Elbridge National Grid Transmission

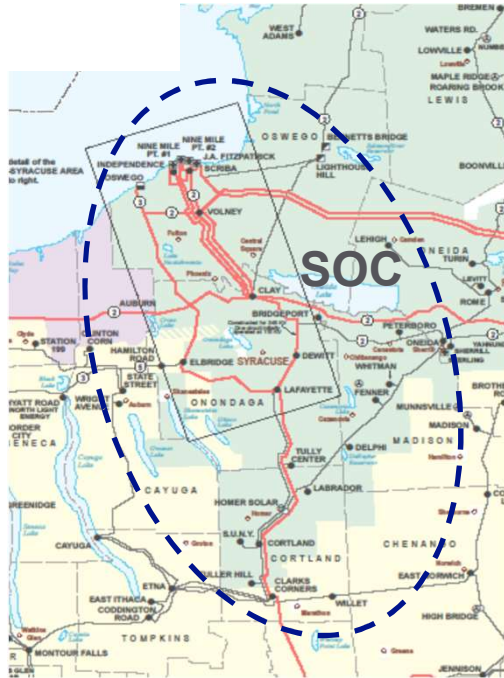
AVANGRID & Municipal Distribution Loads

Monroe, Wayne, Ontario, Seneca, Cayuga, Onondaga counties

Finger Lakes (1 of 1)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
Pittsford Sta 056 Interconnection	115kV loop-in-and-out Mortimer-Pannell 24 to existing AVANGRID Station 056 (Pittsford) using 795 ACSR, new relay packages to be installed	Not Applicable	Not Applicable	Under Construction	12/2023
Hook Rd 127 Interconnection	Install a new structure and conductors in 115kV Mortimer-Elbridge Line 2 at Hook Road Substation (AVANGRID) 127 to loop in-and-out Line 2 creating two lines.	Not Applicable	Not Applicable	Planned	06/2024
Farmington 168 Interconnection	Remove the existing Taps connecting to Farmington (AVANGRID) from Lines 7 and 4/4A. Loop Lines 2 and 4/4A in-an-and out to create four new lines.	Not Applicable	Not Applicable	Planned	12/2024
Mortimer-Pannell 24/25 Rebuild	115kV, Rebuild Mortimer- Pannell 24/25 ~16 miles	Not Applicable	Required	Planned	03/2029

Syracuse/Oswego/Cortland



Elbridge – Oswego – Oneida -
Cortland

Oswego, Onondaga, Cortland,
Madison Counties

Base Map from NYISO

SOC (1 of 5)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Oswego Station Rebuild	Replace various 115kV and 34.5kV assets.	Not Applicable	Not Applicable	Completed	06/2021
Volney-Clay 6 Terminal Equipment	Upgrade 345kV Terminal Equipment at Clay	Not Applicable	Not Applicable	Completed	05/2022
Fenner Line 3 & 8 Terminal Upgrades	Upgrade Terminal Equipment on Lines 3&8 (CLCPA)	Not Applicable	Not Applicable	Under Construction	10/2023
Oswego Station 345kV Asset Separation	Remove NG assets in the generation plant and put in new Control House. Also replace deteriorated equipment.	Not Applicable	Not Applicable	Under Construction	12/2023
Tilden Line 18 Terminal Upgrades	Upgrade Terminal Equipment (CLCPA)	Not Applicable	Not Applicable	Planned	02/2024
Clay-Woodard 17 Reactor	Install 115kV series reactor at Woodard	Not Applicable	Not Applicable	Under Construction	05/2024

SOC (2 of 5)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
Tilden R180	Replace Tilden breaker R180 with new Siemens vacuum breakers	Not Applicable	Not Applicable	Planned	05/2024
Tilden - Cortland Line 18 Clearance	Upgrade spans to remove Clearance limit (CLCPA)	Not Applicable	Not Applicable	Planned	08/2024
Sky High Solar	Interconnect to National Grid's 115kV Tilden-Cortland Line 18	Not Applicable	Not Applicable	Planned	08/2024
Teall-Oneida Resiliency	Reconfigure supplies to Bridgeport and Petersboro to connect to both #2 and #5	Not Applicable	Not Applicable	Planned	09/2024
Clay - Wetzel Resiliency	Add a breaker at Clay and build approximately 2000 feet of 115kV to create radial line to Wetzel Rd from a portion of LHH-Clay Wetzel Road Tap	Not Applicable	Not Applicable	Planned	10/2024

SOC (3 of 5)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
S Oswego - Clay Resiliency	Install Automatic Line Sectionalizing schemes at Whitaker and Gilbert Mills.	Not Applicable	Not Applicable	Planned	03/2025
Volney Station MEMCO Replacement	Replace 345kV switches 111, 113, 121, 123, 191, 193, 201, 203, 211, 213, 61, and 63	Not Applicable	Not Applicable	Planned	03/2026
Reconductor Cortland-Clarks Corners	Reconductor approximately 5 spans	Not Applicable	Not Applicable	Planned	05/2026
Mallory 115kV Breakers	Add breakers to Mallory Road for Resiliency	Not Applicable	Not Applicable	Planned	07/2026

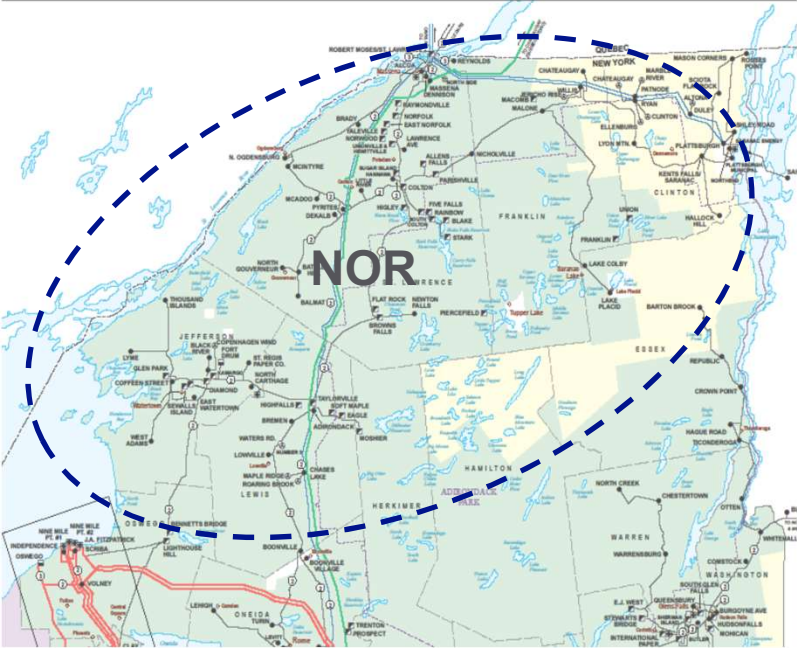
SOC (4 of 5)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Clay Substation CLCPA Upgrades	Relocate bussed portion of #7 to second line into #5 position. Replace six breakers and 14 gang-operated disconnects. New 2000A breaker between R180 and R115. New set of 3 115kV CCVTs and 1 new set of 2000A gang operated disconnects with arching horns. Overhead strain bus and connections between breakers and nearby disconnects will be replaced in #5, #6, and #7 bays.	Not Applicable	Not Applicable	Planned	11/2026
South Oswego Station Upgrades	Replace two breakers, four disconnect and two station connections. Replace relaying on Lines 1 & 6.	Not Applicable	Not Applicable	Planned	10/2027
Tar Hill Station	115kV, new Breaker-and-a-Half substation to replace Lighthouse Hill	Not Applicable	Not Applicable	Planned	04/2028
Delphi Terminal Upgrades	Upgrade Terminal Equipment (CLCPA)	Not Applicable	Not Applicable	Planned	12/2029

SOC (5 of 5)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Cortland Terminal Upgrades	Upgrade Terminal Equipment (CLCPA)	Not Applicable	Not Applicable	Planned	12/2029
East Ave Station (CLCPA)	Construct a new 115kV ring-bus station on a greenfield location.	Not Applicable	Not Applicable	Planned	03/2030
Lighthouse Hill-Clay 7 rebuild	Rebuild the approximately 27 mile bussed LLH-Clay 7 as two single circuits using double-bundled 795 ACSR 26/7	Not Applicable	Required	Planned	03/2030
Lighthouse Hill – South Oswego Rebuild (CLCPA)	Rebuild approximately 27 miles of double circuit and 2 miles of single circuit with double-bundled 795MCM 26/7 ACSR or equivalent	Not Applicable	Required	Planned	03/2030
Maiden Lane (CLCPA)	Build a new 115kV breaker-and-a-half station connecting to six transmission lines on a greenfield site.	Not Applicable	Not Applicable	Planned	03/2030

Northern



Malone-Potsdam-Watertown-Croghan

Jefferson, Lewis, Saint Lawrence, Franklin, Clinton, Essex, Herkimer Counties

Base Map from NYISO

Northern (1 of 4)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Taylorville Term Equipment Upgrade	Replace station connections and CTs	Not Applicable	Not Applicable	Completed	05/2022
Flat Rock	115kV, Replace ~200ckt ft of conductor	Not Applicable	Not Applicable	Planned	03/2025
Boonville Substation Upgrades (CLCPA)	Install two 115kV phase angle regulators (PARs) on the 115kV Boonville-Rome #3 & #4 lines at the future Boonville Greenfield Station location. Four new 115kV circuit breakers with disconnects.	Not Applicable	Not Applicable	Planned	03/2025
Malone PAR	Install Phase Angle Regulating Transformer on Malone - Wills 1-910	Not Applicable	Not Applicable	Planned	07/2025
Indian River – Lyme Junction	Build approximately 9 mile transmission line from Indian River station to Lyme Tap-Station including a new breaker and 2 switches at Indian River Substation.	Not Applicable	Required	Planned	03/2027

Northern (2 of 4)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
Boonville Rebuild	Rebuild the Boonville Station on a greenfield site as a Breaker-and-a-half.	Not Applicable	Not Applicable	Planned	03/2028
Black River – LHH Rebuild (CLCPA)	Rebuild approximately 36 miles of double circuit to two single circuits with double-bundled 795MCM 26/7 ACSR or equivalent	Not Applicable	Required	Planned	04/2029
Alcoa Station Upgrade (CLCPA)	Replace all existing station connection conductors and the existing 115kV bus.	Not Applicable	Not Applicable	Planned	12/2029
Colton Station Term Equip Upgrade (CLCPA)	Replace limiting terminal equipment associated with Lines 2,3,5 and 8.	Not Applicable	Not Applicable	Planned	12/2029
Dennison Station Upgrades (CLCPA)	Replace the existing conductor between the take-off structure and disconnects associated with lines 1, 2, 4, 5 and 12.	Not Applicable	Required	Planned	12/2029

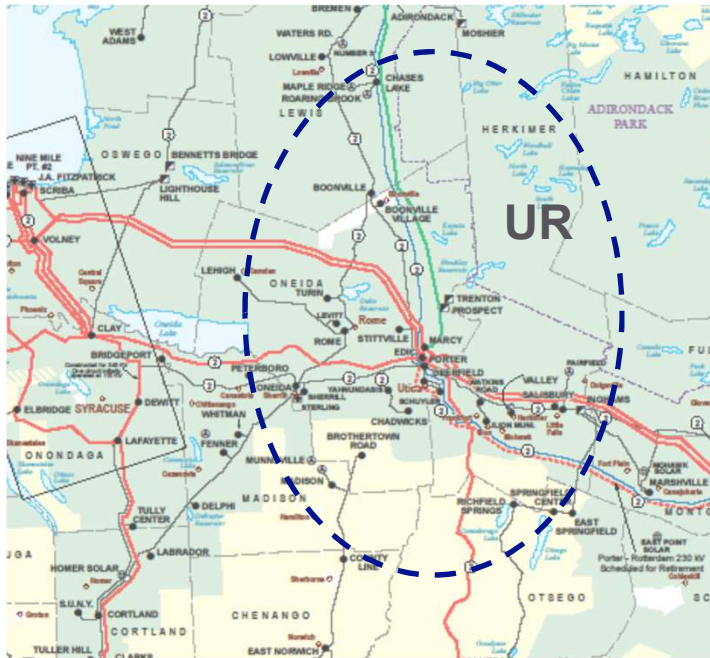
Northern (3 of 4)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Black River Substation Upgrades (CLCPA)	Replace the five existing 115kV circuit breakers R10, R20, R30, R50, and R80 with new circuit breakers, disconnect switches, and station connections. Install one new 115kV series bus tie breaker.	Not Applicable	Not Applicable	Planned	12/2029
Coffeen-Black River Rebuild (CLCPA)	Rebuild the approximately 8 mile line with double-bundled 795MCM 26/7 ACSR or equivalent	Not Applicable	Not Required	Planned	03/2030
Black River – Taylorville Rebuild (CLCPA)	Rebuild approximately 26 miles of double circuit to two single circuits with double-bundled 795MCM 26/7 ACSR or equivalent	Not Applicable	Required	Planned	03/2030
Taylorville – Boonville Rebuild (CLCPA)	Rebuild approximately 34 miles of double circuit to two single circuits with double-bundled 795MCM 26/7 ACSR or equivalent	Not Applicable	Required	Planned	03/2030
Taylorville Station Rebuild Rebuild (CLCPA)	Rebuild Taylorville as a Breaker-and-a-half substation including synchronous condensers and associated equipment and transformers.	Not Applicable	Not Applicable	Planned	03/2030

Northern (4 of 4)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Coffeen-East Watertown Rebuild (CLCPA)	Rebuild approximately 9.5 miles to double-bundled 795 MCM 26/7 ACSR or equivalent	Not Applicable	Not Required	Planned	03/2030
Coffeen-Lyme Junction 4 Rebuild (CLCPA)	Rebuild approximately 8 miles to double-bundled 795 MCM 26/7 ACSR or equivalent	Not Applicable	Not Required	Planned	03/2030
Coffeen Synchrononous Condensers (CLCPA)	Install Synchronous Condensers with associated power transformers and equipment and buildings	Not Applicable	Not Applicable	Planned	03/2030
Colton-Malone 3 Rebuild (CLCPA)	Rebuild approximately 18 miles to double-bundled 795 MCM 26/7 ACSR or equivalent	Not Applicable	Required	Planned	03/2030
Middle Road Station (CLCPA)	Expand the existing substation to a six-breaker ring.	Not Applicable	Not Applicable	Planned	03/2030

Utica/Rome



- Utica – Rome – Little Falls
- Oneida, Madison, Lewis, Herkimer Counties

Base Map from NYISO

Utica / Rome (1 of 1)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
EHI Segment A	Expand Edic substation to support Energy Highway Initiative Segment A	Not Applicable	Not Applicable	Completed	10/2023
Terminal Station Rebuild	Rebuild 115/13.2kV substation and 115kV line connections	Not Applicable	Not Applicable	Planned	02/2025
Oneida Station Rebuild	115kV Station Rebuild to a breaker-and-a-half configuration and add 115kV Capacitor Bank. Replace connections to existing transmission lines.	Not Applicable	Not Applicable	Planned	10/2026
Booneville-Porter Rebuild (CLCPA)	Rebuild approximately 26 miles of existing double circuit to two single circuits	Not Applicable	Required	Planned	03/2030

Mohawk



Groversville, Amsterdam, Cobleskill

Fulton, Montgomery, Schoharie,
Otsego, Schenectady Counties

Base Map from NYISO

Mohawk (1 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Mohawk Solar	New station interconnect to National Grid 115kV St. Johnsville-Marshville Line 11 via a new three-breaker ring bus stations (Seebers Lane).	Completed	Not Applicable	Completed	10/2022
Pattersonville Solar	Construction of interconnection to a 20MW solar generation facility	In Progress	Not Applicable	Completed	12/2022
Grissom Solar	Construction of interconnection to a 20MW solar generation facility 69kV	Completed	Not Applicable	Completed	12/2022
High River Solar	Construction of interconnection to a 90MW solar generation facility Inghams Rotterdam 9/12 115kV	Completed	Not Applicable	Completed	6/2023
East Point Solar	Construction of interconnection to a 50MW solar generation facility in Sharon 69kV	Completed	Not Applicable	Under Construction	5/2024
Clinton Station upgrades (CLCPA)	Upgrade limiting equipment at Clinton	Not Applicable	Not Applicable	Planned	5/2024

Mohawk (2 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Tayandenega Solar	Construction of interconnection to a 20MW solar generation facility Inghams-St.Johnsville 6 115kV	In Progress	Not Applicable	Under Construction	08/2024
Schoharie-Schenectady International-Rotterdam 18/4 Rebuild	Rebuild approximately 1 mile of 69kV Lines 18/4 outside Rotterdam	Not Applicable	Not Applicable	Planned	09/2025
Rotterdam 69kV Rebuild & New Transformer	Add a second 115/69kV transformer at Rotterdam and rebuild the Rotterdam 69kV yard.	Not Applicable	Not Applicable	Planned	09/2025
New Manheim Greenfield Project	Replace Inghams Substation with a greenfield 115/46kV station. Install new Phase Angle Regulator.	Not Applicable	Not Applicable	Planned	11/2027
Saltsman Road Station (CLCPA)	Build a new 115kV five-breaker ring station on a greenfield site.	Not Applicable	Not Applicable	Planned	01/2028

Mohawk (3 of 3)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Marshville Station Rebuild (CLCPA)	Replace 115/69kV transformers at Marshville and upgrade terminal equipment	Not Applicable	Not Applicable	Planned	06/2028
Meco 115kV Rebuild (CLCPA)	This project will replace the existing TR1 with a new LTC transformer and install a new 115kV-69kV TR2. Circuit breakers and switches will also be replaced accordingly.	Not Applicable	Not Applicable	Planned	12/2029
New Marshville 345-115kV Station (CLCPA)	Build a new 345-115kV breaker-and-a-half station with two 345-115kV transformers and connections to existing 345kV and 115kV lines.	Not Applicable	Not Applicable	Planned	12/2029
Inghams-Rotterdam Rebuild (CLCPA)	Rebuild approximately 125 circuit miles with double-bundled 795MCM 26/7 ACSR or equivalent	Not Applicable	Required	Planned	12/2029
Stoner Station upgrades (CLCPA)	Upgrade limiting equipment at Stoner	Not Applicable	Not Applicable	Planned	03/2030

Northeast



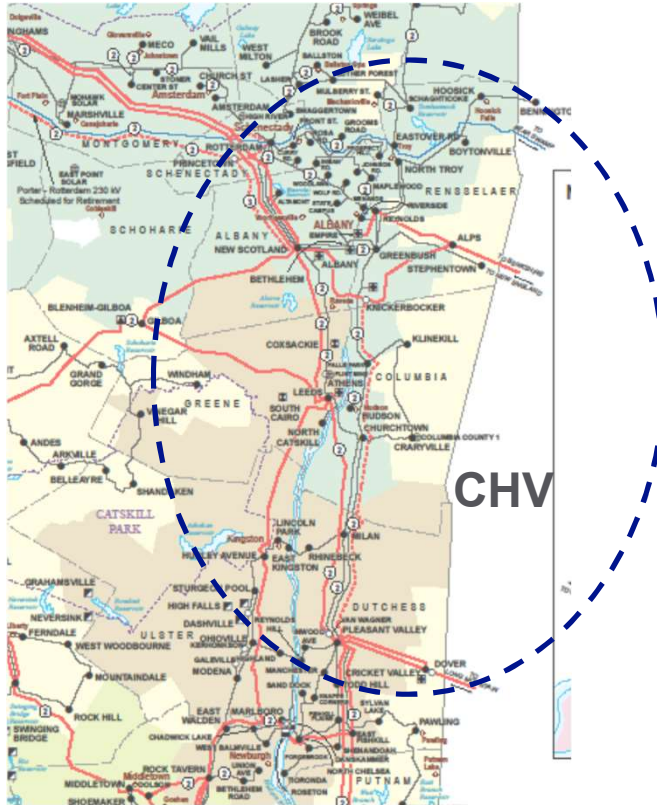
Ticonderoga, Glens Falls, Saratoga
Essex, Warren, Washington,
Saratoga Counties

Base Map from NYISO

Northeast (1 of 1)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
Mohican Station Rebuild	Replace certain 115kV and 34.5kV assets, add 115-13.2kV substation	Not Applicable	Not Applicable	Planned	09/2025

Capital & Hudson Valley



Albany-Schenectady- Troy, Hudson

Albany, Schenectady, Rensselaer,
Greene, Columbia, Dutchess
Counties

Capital & Hudson Valley (1 of 1)

Project Name	Description	NYISO Interconnection Status	Article VII Status	Project Status	Expected In-Service Date
LaFarge Relocation	Relocate 115kV DCT on LaFarge Property	Not Applicable	Not Required	Completed	12/2022
Albany Steam Asset Replacement	Replace NG 115kV Assets at Albany Steam substation	Not Applicable	Not Required	Completed	01/2023
Maplewood-Menands 19/31	~3 mi of reconductoring and replacing breaker isolation switches for both lines at Maplewood as well as the line trap at Maplewood	Not Applicable	Not Required	Completed	07/2023

National Grid LTP

Interested parties may submit written comments on National Grid’s LTP within 30 days (Dec 21, 2023) to:

Mark Domino PE, Engineering Manager

Transmission Planning – NY

National Grid

300 Erie Blvd, West

Syracuse, NY 13202

TransmissionPlanning@nationalgrid.com

This LTP will be posted on the National Grid OASIS website:

<https://www9.nationalgridus.com/oasis/>

TGP-28 – Transmission Planning Guide - may be found at:

https://www9.nationalgridus.com/oasis/non_html/TGP28%20Issue%205%20Jan%2027%202020.pdf

nationalgrid