

# National Grid 2023 Local Transmission Plan

**Mark Forchilli, PE**  
November 21, 2023

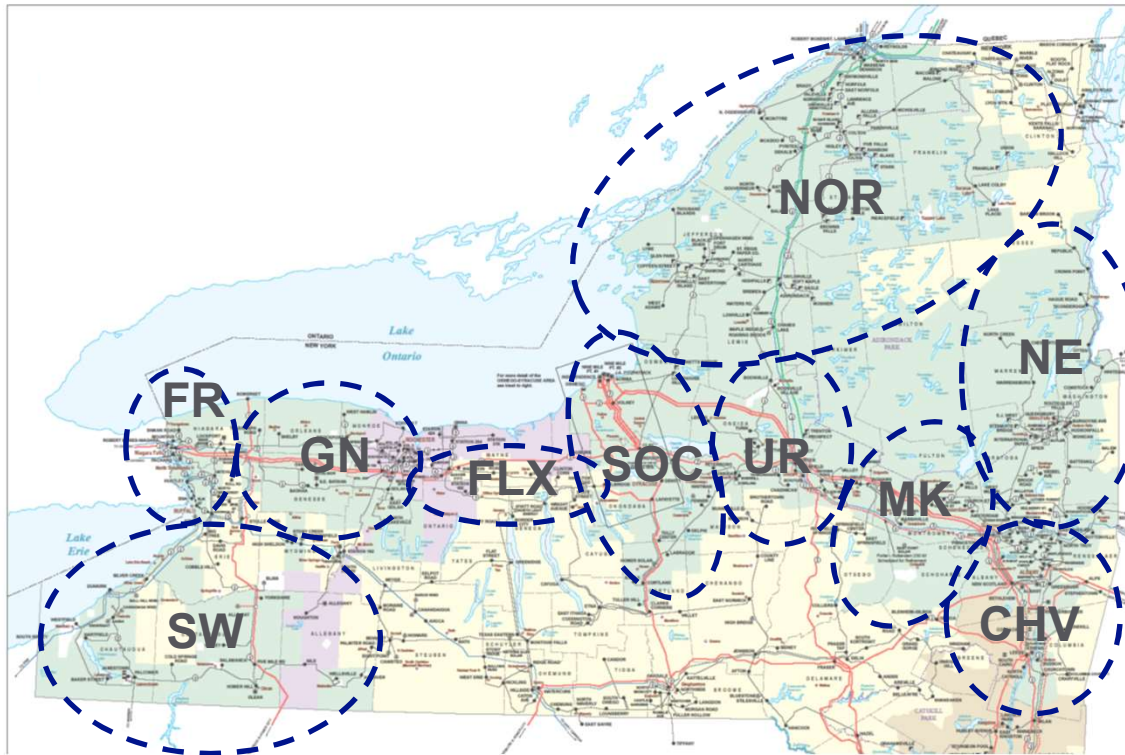
**nationalgrid**



## 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

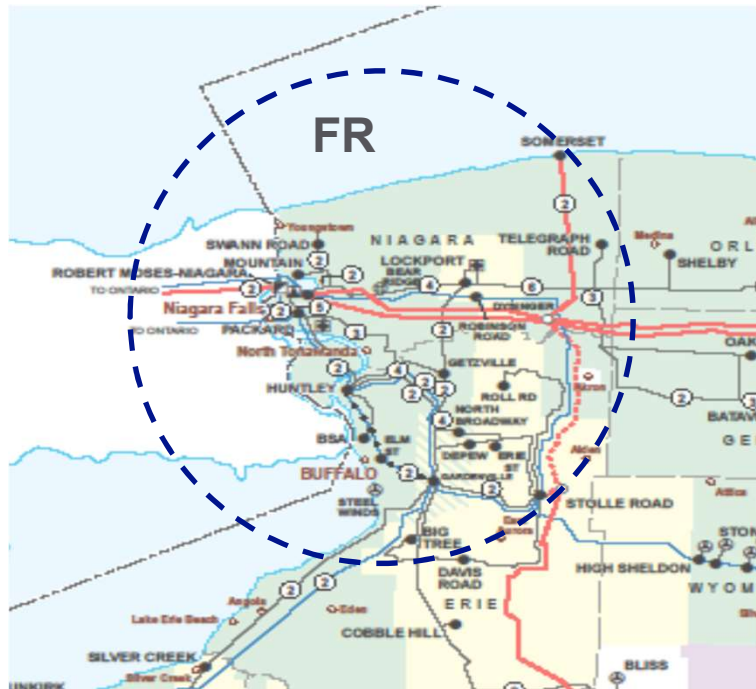
# National Grid Planning Areas



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 Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
<b>Royal Ave (New Harper) Station replacement</b>	Replace old Harper station with 115/34.2kV Royal Station	Not Applicable	Not Applicable	Completed	05/2021
<b>Seneca TR5 Replacement</b>	115-23kV transformer replacement	Not Applicable	Not Applicable	Completed	07/2021
<b>Niagara-Packard 191 Reconductor</b>	115kV, ~3.7 miles (entire line)	Not Applicable	Not Applicable	Completed	11/2021
<b>Niagara-Packard 192 Reconductor</b>	115kV, ~3.7 miles (entire line)	Not Applicable	Not Applicable	Completed	11/2021
<b>Niagara-Packard 193/194 Reconductor</b>	115kV, Reconductor ~3.7miles (entire double circuit line)	Not Applicable	Not Applicable	Completed	06/2022
<b>Kensington TR4 &amp; 5 Replacement</b>	115-23kV transformers at Kensington	Not Applicable	Not Applicable	Completed	06/2023
<b>Lockport 108 Alt Breaker</b>	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)

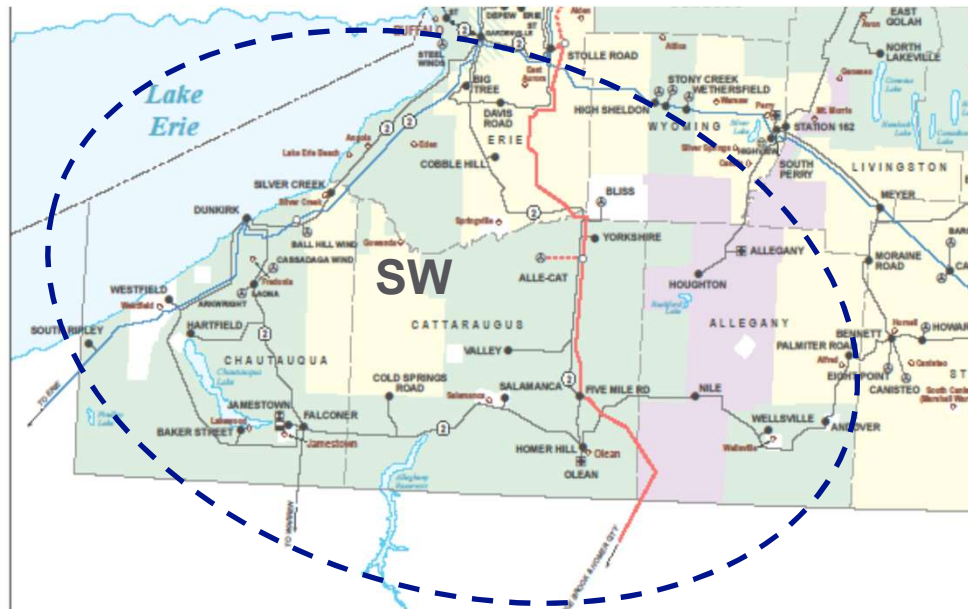
Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
<b>Lockport-Mortimer 103/104 Reconfiguration</b>	Reconductor 4 spans of Lockport-Mortimer 103 & 104 between structures 55 and 57 with 795 ACSR. Swap 103/104 positions at Lockport station	Not Applicable	Not Applicable	Planned	04/2024
<b>Elm St TR2 Replacement</b>	240-24kV transformer replacement including relay configuration upgrades	Not Applicable	Not Applicable	Under Construction	11/2025
<b>Industrial Customer 115kV (Niagara)</b>	The Customer has requested 115kV service to replace their existing 12kV service.	Not Applicable	Not Applicable	Planned	11/2025
<b>Packard Replace OCBs</b>	The replacement of the three 115kV OCBs with SF6 breakers.	Not Applicable	Not Applicable	Planned	02/2026
<b>Packard-Huntley 130/133</b>	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 Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
<b>Huntley-Lockport 36/37 Resiliency</b>	Add breakers on Huntley side of Getzville, move Ayer Rd Taps	Not Applicable	Not Applicable	Planned	04/2027
<b>Packard-Gardenville Reconfiguration 115kV Lines 180, 182, 181-922</b>	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
<b>Lockport Station Rebuild</b>	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
<b>Katherine Street Terminal Station 115kV/23kV</b>	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, Chautauque,  
Cattaraugus, Allegany  
Counties

Base Map from NYISO



## Southwest (1 of 3)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Q759 KCE NY6 T-line</b>	115kV tap off Line 150 for Developer 20MW BESS	Completed	Not Applicable	Completed	06/2022
<b>Big Tree Interconnect Line 151</b>	115kV, Big Tree Substation - AVANGRID Station Expansion, loop-in-loop-out with Line 151	Not Applicable	Not Applicable	Completed	12/2022
<b>Dunkirk Station Rebuild</b>	Rebuild Dunkirk Transmission Station/Asset Separation	Not Applicable	Not Required	Completed	12/2022
<b>Industrial Customer 115kV (Chautauqua)</b>	(2) 115kV, ~200 feet Taps to Customer Station	Not Applicable	Not Applicable	Completed	12/2022
<b>Industrial Customer 115kV (Erie)</b>	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
<b>Q505 Ball Hill Wind Project</b>	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
<b>Industrial Customer Upgrade 34.5kV</b>	Add 34.5kV breaker and associated equipment to Machias Station.	Not Applicable	Not Applicable	Under Construction	12/2023
<b>Nile Hill Upgrades on Line 157</b>	Replace switches and 900 feet of conductor with 795 ACSR between structure 288 and 292 (CLCPA)	Not Applicable	Not Applicable	Planned	01/2024
<b>Q596 Alle Catt II Wind Project</b>	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
<b>Dunkirk-Falconer 160 Rebuild/CCR</b>	115kV replace ~180 towers, including correcting conductor clearance	Not Applicable	Not Applicable	Planned	06/2026

## Southwest (3 of 3)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
<b>Gardenville-Dunkirk 141/142 Rebuild (North)</b>	115kV Rebuild Gardenville to North Angola with 795 ACSR (~20 miles)	Not Applicable	Required	Under Construction	06/2026
<b>Dunkirk-Falconer Resiliency</b>	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
<b>Homer Hill Station Asset replacement</b>	Replace five 115kV & 34.kV Oil Circuit Breakers with SF6 breakers	Not Applicable	Not Applicable	Planned	06/2028
<b>Gardenville Dunkirk 141/142 (South)</b>	115kV Rebuild North Angola to Dunkirk with 795 ACSR (~20 miles)	Not Applicable	Required	Planned	06/2031
<b>Dunkirk-Laona 161/162 Reconductor</b>	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
<b>Rochester Airport Cables 111,113,114</b>	Replace 115kV cables	Not Applicable	Not Required	Completed	02/2023
<b>Batavia Replace OCBs</b>	115kV replace 5 OCB's with SF6 breakers, disconnects associated replaced as well	Not Applicable	Not Applicable	Completed	08/2023
<b>Mortimer Substation Upgrade</b>	Relay upgrades for AVANGRID	Not Applicable	Not Required	Under Construction	11/2023
<b>Mumford 115kV Terminal Upgrade</b>	115kV, Upgrade four disconnects and station connections, including new cap bank (CLCPA)	Not Applicable	Not Required	Under Construction	01/2024
<b>North Leroy 115kV Terminal Upgrade</b>	115kV, Replace two existing disconnects, including the connected conductor spans (CLCPA)	Not Applicable	Not Required	Planned	04/2024

## Genesee (2 of 3)

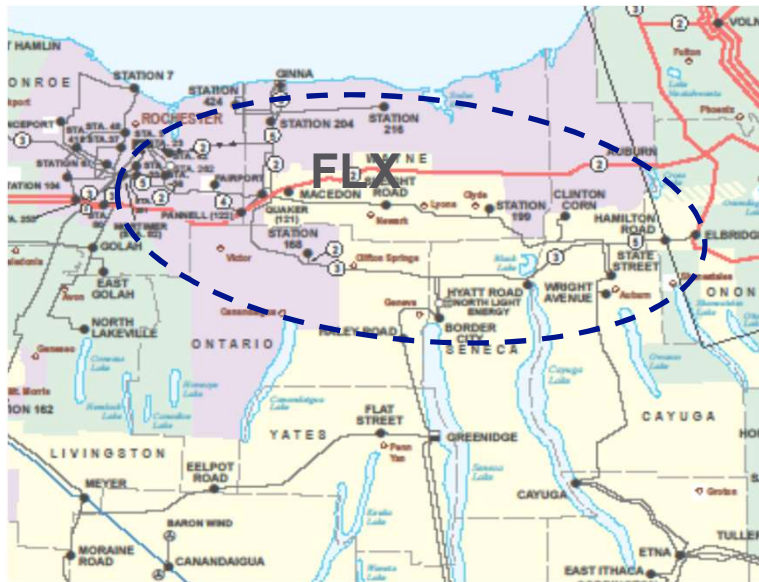
Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
<b>Industrial Customer 115kV (Genesee)</b>	115kV Transmission Service to New Customer. Relocation of the section of the Lockport-Batavia Line 112 between structures 173 and 188 including 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
<b>Lockport - Batavia 112 Rebuild</b>	Rebuild 115kV from Lockport to Oakfield (~22ckt miles)	Not Applicable	Required	Planned	04/2027
<b>Mortimer-Golah 109</b>	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
<b>Mortimer-Golah 110</b>	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
<b>Southeast Batavia- Golah 119 Rebuild</b>	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
<b>Golah Sub Rebuild</b>	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



# Mortimer – Elbridge National Grid Transmission

## AVANGRID & Municipal Distribution Loads

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

Base Map from NYISO

## Finger Lakes (1 of 1)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Pittsford Sta 056 Interconnection</b>	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
<b>Hook Rd 127 Interconnection</b>	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
<b>Farmington 168 Interconnection</b>	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
<b>Mortimer-Pannell 24/25 Rebuild</b>	115kV, Rebuild Mortimer- Pannell 24/25 ~16 miles	Not Applicable	Required	Planned	03/2029

# Syracuse/Oswego/Cortland



Base Map from NYISO

Elbridge – Oswego – Oneida -  
Cortland

Oswego, Onondaga, Cortland,  
Madison Counties

## SOC (1 of 5)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Oswego Station Rebuild</b>	Replace various 115kV and 34.5kV assets.	Not Applicable	Not Applicable	Completed	06/2021
<b>Volney-Clay 6 Terminal Equipment</b>	Upgrade 345kV Terminal Equipment at Clay	Not Applicable	Not Applicable	Completed	05/2022
<b>Fenner Line 3 &amp; 8 Terminal Upgrades</b>	Upgrade Terminal Equipment on Lines 3&8 (CLCPA)	Not Applicable	Not Applicable	Under Construction	10/2023
<b>Oswego Station 345kV Asset Separation</b>	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
<b>Tilden Line 18 Terminal Upgrades</b>	Upgrade Terminal Equipment (CLCPA)	Not Applicable	Not Applicable	Planned	02/2024
<b>Clay-Woodard 17 Reactor</b>	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
<b>Tilden R180</b>	Replace Tilden breaker R180 with new Siemens vacuum breakers	Not Applicable	Not Applicable	Planned	05/2024
<b>Tilden - Cortland Line 18 Clearance</b>	Upgrade spans to remove Clearance limit (CLCPA)	Not Applicable	Not Applicable	Planned	08/2024
<b>Sky High Solar</b>	Interconnect to National Grid's 115kV Tilden-Cortland Line 18	Not Applicable	Not Applicable	Planned	08/2024
<b>Teall-Oneida Resiliency</b>	Reconfigure supplies to Bridgeport and Petersboro to connect to both #2 and #5	Not Applicable	Not Applicable	Planned	09/2024
<b>Clay - Wetzel Resiliency</b>	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 Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>S Oswego - Clay Resiliency</b>	Install Automatic Line Sectionalizing schemes at Whitaker and Gilbert Mills.	Not Applicable	Not Applicable	Planned	03/2025
<b>Volney Station MEMCO Replacement</b>	Replace 345kV switches 111, 113, 121, 123, 191, 193, 201, 203, 211, 213, 61, and 63	Not Applicable	Not Applicable	Planned	03/2026
<b>Reconductor Cortland-Clarks Corners</b>	Reconductor approximately 5 spans	Not Applicable	Not Applicable	Planned	05/2026
<b>Mallory 115kV Breakers</b>	Add breakers to Mallory Road for Resiliency	Not Applicable	Not Applicable	Planned	07/2026

## SOC (4 of 5)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Clay Substation CLCPA Upgrades</b>	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
<b>South Oswego Station Upgrades</b>	Replace two breakers, four disconnect and two station connections. Replace relaying on Lines 1 & 6.	Not Applicable	Not Applicable	Planned	10/2027
<b>Tar Hill Station</b>	115kV, new Breaker-and-a- Half substation to replace Lighthouse Hill	Not Applicable	Not Applicable	Planned	04/2028
<b>Delphi Terminal Upgrades</b>	Upgrade Terminal Equipment (CLCPA)	Not Applicable	Not Applicable	Planned	12/2029



## SOC (5 of 5)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In-Service Date
<b>Cortland Terminal Upgrades</b>	Upgrade Terminal Equipment (CLCPA)	Not Applicable	Not Applicable	Planned	12/2029
<b>East Ave Station (CLCPA)</b>	Construct a new 115kV ring-bus station on a greenfield location.	Not Applicable	Not Applicable	Planned	03/2030
<b>Lighthouse Hill-Clay 7 rebuild</b>	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
<b>Lighthouse Hill – South Oswego Rebuild (CLCPA)</b>	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
<b>Maiden Lane (CLCPA)</b>	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



Base Map from NYISO

Malone-Potsdam-Watertown-Croghan

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

## Northern (1 of 4)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Taylorville Term Equipment Upgrade</b>	Replace station connections and CTs	Not Applicable	Not Applicable	Completed	05/2022
<b>Flat Rock</b>	115kV, Replace ~200ckt ft of conductor	Not Applicable	Not Applicable	Planned	03/2025
<b>Boonville Substation Upgrades (CLCPA)</b>	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
<b>Malone PAR</b>	Install Phase Angle Regulating Transformer on Malone - Wills 1-910	Not Applicable	Not Applicable	Planned	07/2025
<b>Indian River – Lyme Junction</b>	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
<b>Boonville Rebuild</b>	Rebuild the Boonville Station on a greenfield site as a Breaker-and-a-half.	Not Applicable	Not Applicable	Planned	03/2028
<b>Black River – LHH Rebuild (CLCPA)</b>	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
<b>Alcoa Station Upgrade (CLCPA)</b>	Replace all existing station connection conductors and the existing 115kV bus.	Not Applicable	Not Applicable	Planned	12/2029
<b>Colton Station Term Equip Upgrade (CLCPA)</b>	Replace limiting terminal equipment associated with Lines 2,3,5 and 8.	Not Applicable	Not Applicable	Planned	12/2029
<b>Dennison Station Upgrades (CLCPA)</b>	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 Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Black River Substation Upgrades (CLCPA)</b>	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
<b>Coffeen-Black River Rebuild (CLCPA)</b>	Rebuild the approximately 8 mile line with double-bundled 795MCM 26/7 ACSR or equivalent	Not Applicable	Not Required	Planned	03/2030
<b>Black River – Taylorville Rebuild (CLCPA)</b>	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
<b>Taylorville – Boonville Rebuild (CLCPA)</b>	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
<b>Taylorville Station Rebuild Rebuild (CLCPA)</b>	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 Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Coffeen-East Watertown Rebuild (CLCPA)</b>	Rebuild approximately 9.5 miles to double-bundled 795 MCM 26/7 ACSR or equivalent	Not Applicable	Not Required	Planned	03/2030
<b>Coffeen-Lyme Junction 4 Rebuild (CLCPA)</b>	Rebuild approximately 8 miles to double-bundled 795 MCM 26/7 ACSR or equivalent	Not Applicable	Not Required	Planned	03/2030
<b>Coffeen Synchrononous Condensers (CLCPA)</b>	Install Synchronous Condensers with associated power transformers and equipment and buildings	Not Applicable	Not Applicable	Planned	03/2030
<b>Colton-Malone 3 Rebuild (CLCPA)</b>	Rebuild approximately 18 miles to double-bundled 795 MCM 26/7 ACSR or equivalent	Not Applicable	Required	Planned	03/2030
<b>Middle Road Station (CLCPA)</b>	Expand the existing substation to a six-breaker ring.	Not Applicable	Not Applicable	Planned	03/2030

# Utica/Rome



Base Map from NYISO

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



## Utica / Rome (1 of 1)

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

# Mohawk



Base Map from NYISO

Gloversville, Amsterdam, Cobleskill

Fulton, Montgomery, Schoharie,  
Otsego, Schenectady Counties

## Mohawk (1 of 3)

Project Name	Description	NYISO Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Mohawk Solar</b>	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
<b>Pattersonville Solar</b>	Construction of interconnection to a 20MW solar generation facility	In Progress	Not Applicable	Completed	12/2022
<b>Grissom Solar</b>	Construction of interconnection to a 20MW solar generation facility 69kV	Completed	Not Applicable	Completed	12/2022
<b>High River Solar</b>	Construction of interconnection to a 90MW solar generation facility Inghams Rotterdam 9/12 115kV	Completed	Not Applicable	Completed	6/2023
<b>East Point Solar</b>	Construction of interconnection to a 50MW solar generation facility in Sharon 69kV	Completed	Not Applicable	Under Construction	5/2024
<b>Clinton Station upgrades (CLCPA)</b>	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
<b>Tayandenega Solar</b>	Construction of interconnection to a 20MW solar generation facility Inghams-St.Johnsville 6 115kV	In Progress	Not Applicable	Under Construction	08/2024
<b>Schoharie-Schenectady International-Rotterdam 18/4 Rebuild</b>	Rebuild approximately 1 mile of 69kV Lines 18/4 outside Rotterdam	Not Applicable	Not Applicable	Planned	09/2025
<b>Rotterdam 69kV Rebuild &amp; New Transformer</b>	Add a second 115/69kV transformer at Rotterdam and rebuild the Rotterdam 69kV yard.	Not Applicable	Not Applicable	Planned	09/2025
<b>New Manheim Greenfield Project</b>	Replace Inghams Substation with a greenfield 115/46kV station. Install new Phase Angle Regulator.	Not Applicable	Not Applicable	Planned	11/2027
<b>Saltsman Road Station (CLCPA)</b>	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 Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>Marshville Station Rebuild (CLCPA)</b>	Replace 115/69kV transformers at Marshville and upgrade terminal equipment	Not Applicable	Not Applicable	Planned	06/2028
<b>Meco 115kV Rebuild (CLCPA)</b>	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
<b>New Marshville 345-115kV Station (CLCPA)</b>	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
<b>Inghams-Rotterdam Rebuild (CLCPA)</b>	Rebuild approximately 125 circuit miles with double-bundled 795MCM 26/7 ACSR or equivalent	Not Applicable	Required	Planned	12/2029
<b>Stoner Station upgrades (CLCPA)</b>	Upgrade limiting equipment at Stoner	Not Applicable	Not Applicable	Planned	03/2030

# Northeast



Ticonderoga, Glens Falls, Saratoga

Essex, Warren, Washington,  
Saratoga Counties

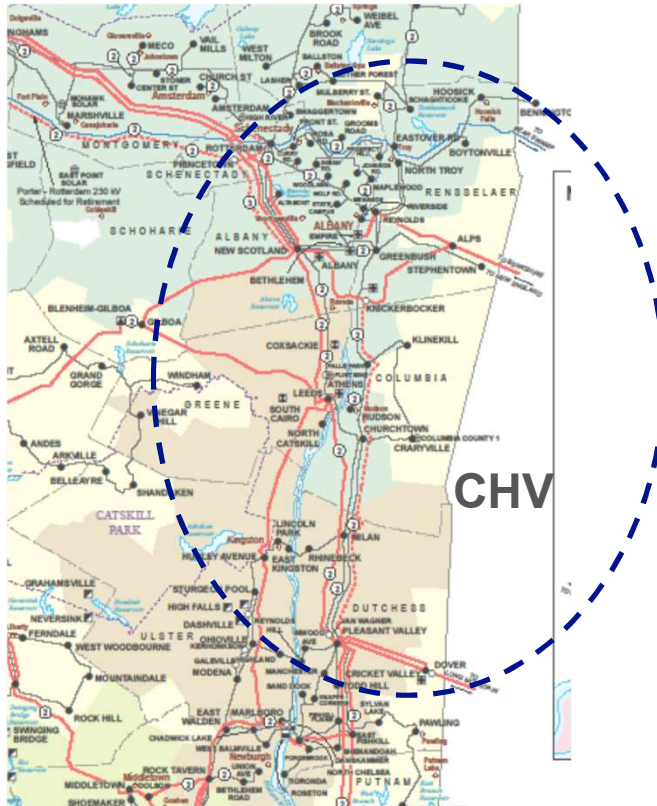
Base Map from NYISO

## 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 Interconnecti on Status	Article VII Status	Project Status	Expected In- Service Date
<b>LaFarge Relocation</b>	Relocate 115kV DCT on LaFarge Property	Not Applicable	Not Required	Completed	12/2022
<b>Albany Steam Asset Replacement</b>	Replace NG 115kV Assets at Albany Steam substation	Not Applicable	Not Required	Completed	01/2023
<b>Maplewood-Menands 19/31</b>	~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](mailto: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](https://www9.nationalgridus.com/oasis/non_html/TGP28%20Issue%205%20Jan%2027%202020.pdf)

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