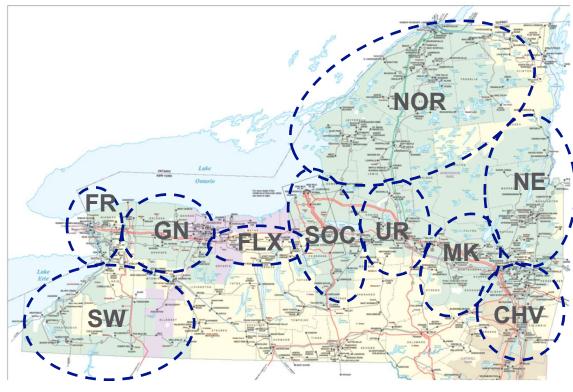


#### **National Grid Statistics - NY**

# 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

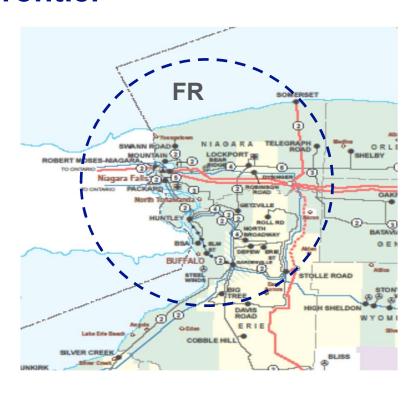
#### **National Grid Planning Areas**



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	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Mountain-Lockport 103/104 Reconfiguration	Reconductor/reconfigure 4 spans of Lockport-Mortimer 103 & 104. Swap 103/104 positions at Lockport station	System Capacity	IN-SERVICE	Not Applicable	Not Applicable	Not Applicable	Completed	07/2024
Industrial Customer Tap Removal 115kV	Remove the 115kV tap from Gardenville-Ohio St 146 to the customer station.	Customer Request / Public Requirement	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	06/2025
Zimmerman Switch Replacements	Replace switches 374 & 375 at Zimmerman SWS.	Reliability	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	01/2026
Packard Replace OCBs	The replacement of the three 115kV OCBs R2123 2173 and R2193.	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	02/2026
Industrial Customer 115kV (Niagara)	Extend taps from 187/188, and reconductor portions of the lines to replace existing 12kV service.	Customer Request / Public Requirement		In Progress	Not Applicable	Not Applicable	Concept	06/2026
Elm St TR2 Replacement	240-24kV transformer replacement	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Under Construction	04/2027

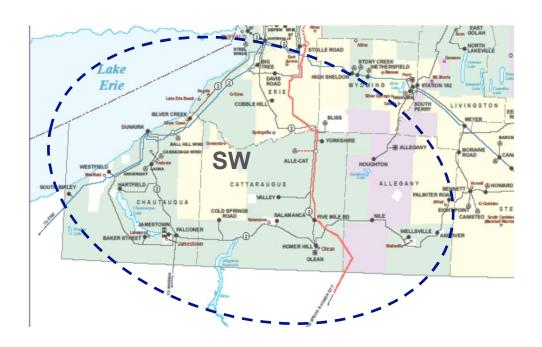
# Frontier (2 of 3)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Huntley-Lockport 36/37 Resiliency	Add beakers on Huntley side of Getzville, move Ayer Rd Taps	Resiliency	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	04/2027
Packard-Huntley 130/133	Reconductor 9.2 miles of DCT 130/133, change protection settings at Packard, Walck and Huntley stations.	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	08/2027
Industial Customer 115kV (Niagara)	The Customer has requested 115kV service to replace their existing 12kV service.	Customer Request / Public Requirement	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	12/2027
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 'expressway' 180 on old 181/25cycle alignment	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	06/2028

# Frontier (3 of 3)

	Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
L	ockport Station Rebuild	Replace existing 115kV Lockport station with greenfield station breaker-and-a-half, including extending the transmission lines to new greenfield location.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2029
	atherine Street erminal Station	New 115-23kV terminal station connected to the existing Ohio Street-Gardenville 145/146 lines, load moved from various existing Buffalo stations. Reconductor portions of the radial 115kV Lines 145 & 146	System Capacity	FIRM	Not Applicable	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	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Andover 115kV Metering CT	Replace Freestanding Metering CT	Reliability	FIRM	Not Applicable	Not Applicable	Not Applicable	Completed	01/2024
New Industrial Customer (Erie County)	Install 115kV taps to new customer from 115kV Gardenville-Dunkirk 141/142	Customer Request / Public Requirement	IN-SERVICE	Not Applicable	Not Applicable	Not Applicable	Completed	03/2024
Q759 KCE NY6 T-line	115kV tap off Line 150 for customer 20MW BESS	Customer Request / Public Requirement	IN-SERVICE	Completed	Completed	Not Applicable	Completed	10/2024
Andover 115kV Switch Upgrades (CLCPA)	115kV switches and structures 289 & 291 at Andover	Reliability	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2024
Nile Hill SWS Upgrades on line 157 (CLCPA)	Replace switches 663 and 664,replace 900 feet of conductor	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2024
Nile Hill Station Upgrades (CLCPA)	Replace conductor between SW660 and 676	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	01/2025

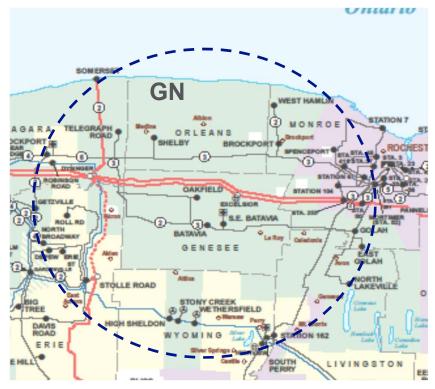
#### Southwest (2 of 3)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
Gardenville-Dunkirk 141/142 Rebuild (North)	115kV Rebuild Gardenville to North Angola (~20 miles)	MVT	FIRM	Not Applicable	Not Applicable	Received	Under Construction	02/2025
Q596 Alle Catt II Wind Project	New (3) breaker ring bus substation (Lime Lake Road Station).	Customer Request / Public Requirement	FIRM	Completed	Completed	Not Applicable	Planned	04/2025
Dunkirk-Falconer 160 Resiliency	Add Automatic Line Sectionalizing to Berry Road and Baker Street stations and 115kV breakers to West Ashville.	Resiliency	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	05/2026
Dunkirk-Laona 161/162 Reconductor (CLCPA)	115kV Reconductor approximately 5 miles.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	12/2026
Dunkirk-Falconer 160 Rebuild/CCR	115kV replace ~180 towers, correct conductor clearance issues	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	09/2027

# Southwest (2 of 3)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Homer Hill Station Asset replacement	115kV & 34.kV OCB replacements with SF6 breakers.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	10/2028
South Ripley Retirement	Retire and remove all equipment at 230kV South Ripley Station.	Asset Condition	NON-FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	03/2030
Gardenville Dunkirk 141/142 (South)	115kV Rebuild North Angola to Dunkirk(~20 miles)	MVT	NON-FIRM	Not Applicable	Not Applicable	Required	Planned	08/2035

#### Genesee



Base Map from NYISO

Lockport, Batavia, Avon, Mortimer

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

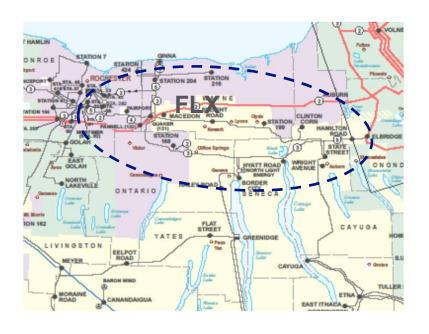
# Genesee (1 of 2)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Industrial Customer 115kV	New 115kV line extension to supply a customer	Customer Request/ Public Requirements	FIRM	Not Applicable	Not Applicable	Not Required	Under Construction	05/2025
STAMP	345-115kV NYPA/NG Substation with 345kV connections to NYPA and 115kV for NG	Customer Request/ Public Requirements	FIRM	Complete	Complete	Not Required	Under Construction	05/2026
Golah Sub Rebuild (CLCPA)	115kV; Rebuild Golah Transmission Substation to breaker-and-a-half	MVT	FIRM	Not Applicable	Not Applicable	Not Required	Planned	02/2028
Rebuild Mortimer-Golah 109 69kV	Rebuild 9.6 miles of 69kV to 115kV	MVT	FIRM	Not Applicable	Not Applicable	Not Required	Planned	05/2028
Lockport - Batavia 112 Rebuild	Rebuild 115kV from Lockport to Oakfield (~22 miles)	MVT	FIRM	Not Applicable	Not Applicable	Received	Planned	07/2028

# Genesee (2 of 2)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
110	Rebuild approximately 10 miles of 115kV		FIRM	Not Applicable	Not Applicable	Not Required	Planned	11/2028
119 Repulla (CLCPA)	Rebuild approximately 16 miles of 115kV		FIRM	Not Applicable	Not Applicable	Required	Planned	09/2029
Rebuild	Rebuild approximately 35 miles of 115kV		NON_FIRM	Not Applicable	Not Applicable	Required	Concept	09/2035
Lockport-Batavia 108 Rebuild	Rebuild approximately 35 miles of 115kV	MVT	NON_FIRM	Not Applicable	Not Applicable	Required	Concept	09/2035

#### **Finger Lakes**



Mortimer – Elbridge National Grid Transmission

AVANGRID & Municipal Distribution Loads

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

Base Map from NYISO

#### **Finger Lakes**

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Pittsford Sta 056 Interconnection	115kV loop-in-and-out Mortimer- Pannell 24 to existing AVANGRID/RGE Station 056 (Pittsford), new relay packages to be installed	Customer Request / Public Requirement	FIRM	Not Applicable	Not Applicable	Not Applicable	Completed	04/2024
Hook Rd 127 Interconnection	115kV loop-in-and-out Mortimer- Elbridge 2 at Station 127 (Hook Road) (AVANGRID/RGE) Include protection upgrades at Mortimer and Elbridge.	Customer Request / Public Requirement	FIRM	Not Applicable	Not Applicable	Not Applicable	Under Construction	03/2025
Farmington 168 Interconnection	Remove the existing Taps connecting to Station 168 (Farmington) (AVANGRID/RGE) from Lines 7 and 4/4A. Loop Lines 2 and 4/4A in-an-and out to create four new lines. Replace relays at remote ends of lines.	Customer Request / Public Requirement	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	07/2025
Mortimer-Pannell 24/25 Rebuild	Rebuild 115kV approximately 16miles	System Capacity	FIRM	Not Applicable	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 7)**

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Clay-Woodard 17 Reactor	Install 115kV series reactor at Woodard	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applicable	Completed	12/2023
Teall-Oneida Resiliency	Change Peterboro from a loop (with single tap) to double-tap station with an auto transfer scheme, AND: Add switches at the tap point for the single Bridgeport tap	Resiliency	FIRM	Not Applicable	Not Applicable	Not Applicable	Completed	05/2024
Tilden Line 18 Terminal Upgrades	Upgrade Terminal Equipment (CLCPA)	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Completed	08/2024
Tilden R180 brkr rplc	Replace Tilden breaker R180 with new Siemens vacuum breakers	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Completed	08/2024
Tilden - Cortland Line 18 Clearance (CLCPA)	Upgrade spans to remove Clearance limit	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Completed	08/2024
Oswego Station 345kV Asset Separation	Remove NG assets in the generation plant and put in new Control House. Also replace deteriorated equipment.	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Under Construction	11/2024

# **SOC (2 of 7)**

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Clay - Wetzel Resiliency	Install a breaker at Clay and build approximately 2000 feet of 115kV to create radial line to Wetzel Rd from Clay utilizing the LHH-Clay (Wetzel) Tap 7	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Under Construction	04/2025
Duguid (Clay-DeWitt) Resiliency	Replace existing switch X5-1 and include remote control capability on Clay-DeWitt 5	Resiliency	NON-FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	04/2025
Oneida-Fenner 8 - Cortland 3 Switches	Oneida - Fenner 8 - Cortland 3 install/replace overhead line switches	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Under Construction	05/2025
Bailey Station MEMCO Replacement	Replace 345kV switches 173 and 174 at the station	Damage / Failure	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	05/2025
East Conklin Sta. MEMCO Replacement	Replace 345kV switches 171, 173, and 174 at the station	Damage / Failure	FIRM	Not Applicable	Not Applicable	Not Applicable	Under Construction	05/2025
Reconductor Cortland- Clarks Corners	Reconductor approximately 0.2 miles of 336 ACSR (in multiple smaller sections) with 1192 ACSR to match the rest of the line.	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	09/2025

# **SOC (3 of 7)**

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Cortland Terminal Upgrades (CLCPA)	Upgrade Terminal Equipment	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	12/2025
S Oswego - Clay Resiliency	Install Automatic Line Sectionalizing schemes at Whitaker and Gilbert Mills.	Resiliency	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	01/2026
Sky High Solar T- Stations	Interconnection to National Grid's 115kV Tilden-Cortland Line 18	Customer Request / Public Requirement	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	03/2026
Volney Station MEMCO Replacement	Replace 345kV switches 111, 113, 121, 123, 191, 193, 201, 203, 211, 213, 61, and 63	Damage / Failure	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	03/2026
S Oswego - Lighthouse Hill Resiliency	Add Remote Control capability at several existing 115kV switches at/near East Pulaski and Wine creek	Resiliency	NON-FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	05/2026

# **SOC (4 of 7)**

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
Clay Substation Upgrades (CLCPA)	Relocate bussed portion of #7 to second line into #5 position. Replace R50, R875, R140, R70, R865, and R110 and associated gang-operated disconnects. Install new breaker between R180 and R115. Install a new set of 3 115kV CCVTs. Overhead strain bus and connections between breakers and nearby disconnects will be replaced in #5, #6, and #7 bays	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2026
Mallory 115kV Breakers	Add breakers to Mallory Road to sectionalize Lighthouse Hill-Clay 7	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	12/2026

# **SOC (5 of 7)**

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
Clay – Micron Fab1	Build out two bays at Clay 345kV substation. Extend 345kV cables to Customer Substation.	Customer Request / Public Requirement	FIRM	NYISO Complete	Not Yet Started	Submitted	Planned	02/2027
Maiden Lane (CLCPA)	Construct a greenfield 115kV breaker-and-a-half station connecting six 115kV lines on the Oswego-LHH Corridor	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	02/2027
Lighthouse Hill - Clay 7 Rebuild (CLCPA)	Rebuild approx 27 mile bussed LLH-Clay 7 as two single circuits. Replace two (2) existing switches	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2027
South Oswego Station Upgrades	Replace R10 and R60 breakers. Replace disconnects #11, #13, #61, and #63. Replace conductor drops from the line terminations to breakers R10 and R60.	IVI V I	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	02/2028

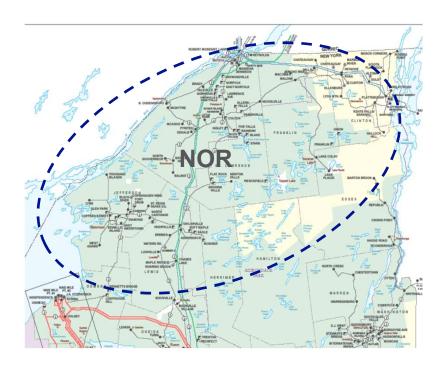
# **SOC** (6 of 7)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Tar Hill Station	115kV, new Breaker-and-a- Half substation to replace Lighthouse Hill. Build new connections between existing network and Tar Hill.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	04/2028
East Ave Station (CLCPA)	Build a greenfield four (4) breaker ring station along S Oswego - LHH Corridor. Interconnect existing lines.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	04/2028
DeWitt - Tilden Resiliency	Install 115kV breakers at Southwood and Pebble Hill	Resiliency	NON-FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	10/2028
Teall Ave - Asset Replacement	Replacement of deteriorated assets. Install new 115kV-13.2kV transformer and circuit breakers.	MVT	NON-FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	03/2029

# **SOC (7 of 7)**

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
S Oswego - Lighthouse Hill Rebuild (CLCPA)	Rebuild approximately 27 miles of double circuit and 2 miles of single circuit	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	05/2029
Clay – Micron Fab 2	Expand Clay substation with additional 345kV breakers and reactive devices. Adjust location of an existing transmission line. Extend 345kV cables to Customer Substation	Customer Request / Public Requirement	FIRM	Underway	Not Applicable	Submitted	Planned	07/2029

#### **Northern**



Base Map from NYISO

Malone-Potsdam-Watertown-Croghan

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

# Northern (1 of 8)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
Alcoa Station Upgrade (CLCPA)	Upgrade all existing station connection conductors used for the existing breaker bay conductors. Upgrade the existing 115kV bus.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Under Construction	11/2024
Dennison Station Upgrades (CLCPA)	115kV Station Equipment upgrades.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	01/2025
Colton Station Term Equip Upgrade (CLCPA)	Upgrade existing disconnect #34. Upgrade the existing current limiting conductors in the line #3. Upgrade the main bus conductors near the line #2,# 3, #5 and #8 connections.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	04/2025
Roosevelt Solar LLC	Interconnection of a PV project to Akwesasne Station 825 Substation 34.5kV	Customer Request / Public Requirement		Completed	In Progress	Not Applicable	Planned	12/2025

# Northern (2 of 8)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
St Lawrence Data and Agricultural Center	Interconnection of a new Customer.	Customer Request / Public Requirement		Completed	In Progress	Not Applicable	Planned	01/2026
Flat Rock	115kV, Replace ~200ckt ft of conductor	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	04/2026
Indian River - North Watertown (was "Lyme Junction")	Build approx 9 miles of a new 115kV transmission line from Indian River station to new 4-breaker ring station located at the existing tap point to Lyme Station along the Coffeen - Thousand Island line. Install a 115kV breaker and associated equipment at Indian River.	Resiliency	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	05/2026
Malone PAR	Install PAR on Malone - Wills 1-910	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2026

# Northern (3 of 8)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
Malone 115-13.2kV substation expansion	Expand 115-13.2kV substation with a second transformer and additional distribution feeders	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2026
North Foothills	Interconnection of a PV project to Malone 115 kV Substation	Customer Request / Public Requirement		In Progress	In Progress	Not Applicable	Cancelled	12/2026
Coffeen - Lyme Junction Rebuild (CLCPA)	Rebuild the 7.4mi single circuit section of the 115kV Thousand Islands-Coffeen #4 line from Coffeen station to Lyme junction. Upgrade one (1) existing switch.		FIRM	Not Applicable	Not Applicable	Not Required	Planned	02/2027

#### Northern (4 of 8)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
Black River Station Upgrades (CLCPA)	Upgrade the five (5) existing 115kV circuit breakers R10 R20 R30 R50 and R80 and associated disconnect switches. Install one (1) new 115kV series bus tie breaker. Upgrade existing conductor drops from the 115kV Line #1 #2 #3 #5 and #8 takeoff structures to the new line disconnects.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	03/2027
Middle Road Station (CLCPA) // Staplin Creek	Build a new six-breaker ring station to replace the existing Middle Road Substation.	MVT	FIRM	Not Applicable	Not Applicable	Not Required	Planned	04/2027
Coffeen Asset Replacement	Rebuild 115kV Coffeen substation as a breaker-and-a-half	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	05/2027

# Northern (5 of 8)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
Beaver Creek (CLCPA)	Build a greenfield Breaker- and-a-half substation to replace Taylorville. This includes 115kV and 23kV voltage levels.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	07/2027
Gulf Road Station (Boonville Rebuild)	Build a greenfield breaker-and- a-half substation to replace the existing (NG) Boonville Station.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	03/2028
Colton - Nicholville (Malone) #3 Rebuild (CLCPA)	Rebuild the 18.3-mile single circuit section of 115kV Colton-Malone #3 between the Colton Substation and the Nicholville Substation (NG portion). Upgrade two (2) existing switches.	MVT	FIRM	Not Applicable	Not Applicable	Required	Planned	03/2028

# Northern (6 of 8)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Coffeen - Black River Rebuild (CLCPA)	Rebuild the 7.5mi single circuit 115kV Coffeen-Black River 3.	MVT	FIRM	Not Applicable	Not Applicable	Not Required	Planned	04/2028
Golden Knight Solar	Interconnect a solar project to the Colton-Nicholville (Malone) 115kV transmission line.	Customer Request / Public Requirement		In Progress	In Progress	Not Applicable	Cancelled	06/2028
Coffeen Synchronous Condensers (CLCPA)	Expand Coffeen station to install two Synchronous Condensers along with associated transformers, breakers and other equipment.	MVT	FIRM	Not Applicable	Not Applicable	Required	Planned	02/2029

# Northern (7 of 8)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Black River - Taylorville Rebuild (CLCPA)	Rebuild the 26.1mi double circuit 115kV Black River - Taylorville #2, Black River - North Carthage +1, and North Carthage - Taylorville #8 as two single circuits in the same corridor. Upgrade two (2) existing 115kV switches.	MVT	FIRM	Not Applicable	Not Applicable	Required	Planned	07/2029
Beaver Creek - Synchronous Condensers (CLCPA)	Install synchronous Condensers and associated breakers and equipment at Beaver Creek	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	07/2029
Coffeen - East Watertown Rebuild (CLCPA)	Rebuild the 7.5 mi single circuit and 2.0 mi double circuit sections of the 115kV Coffeen - Lighthouse Hill - Black River #5.	MVT	FIRM	Not Applicable	Not Applicable	Not Required	Planned	09/2029

# Northern (8 of 8)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In-Service Date
Black River - LHH Rebuild (CLCPA)	Rebuild the existing 35.6mi double circuit Black River - Lighthouse Hill 115kV corridor as two single circuit lines. These include the Black River - Lighthouse Hill #5, Black River - Middle Road #8, and Middle Road - Lighthouse Hill #6. Upgrade four (4) existing switches.	MVT	FIRM	Not Applicable	Not Applicable	Required	Planned	09/2029
Taylorville - Boonville Rebuild (CLCPA)	Rebuild the 33.9mi double circuit 115kV Taylorville - Boonville #5 and Taylorville- Boonville #6 as two single circuit lines. Replace four (4) existing switches.	MVT	FIRM	Not Applicable	Not Applicable	Required	Planned	12/2029

#### **Utica/Rome**



Base Map from NYISO

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

# Utica / Rome (1 of 2)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Yahnundasis - Porter Resiliency	Add Motor-Operated Disconnect to the 115kV Line	Resiliency	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	03/2026
Watkins Rd Solar	System modifications to accomodate Watkins Rd Solar at Watkins Rd Line 8	Customer Request / Public Requirement	FIRM	Completed	Completed	Not Applicable	Planned	06/2026
Hills Solar	System modifications to accomodate Hills Solar on Fairfield - Inghams 3 Q581	Customer Request / Public Requirement	FIRM	Completed	Completed	Not Applicable	Planned	06/2026
Oneida Station Rebuild	115kV Station Rebuild as a breaker-and-a half. Install an additional 115kV Capacitor Bank	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	05/2027
Terminal Station Rebuild	Rebuild 115/13.2kV substation adjacent to existing. 115 kV configuration will be a four (4) breaker ring.	Asset Condition	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	01/2028

# Utica / Rome (2 of 2)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Boonville - Porter Rebuild (CLCPA)	Rebuild the double circuited 115kV Boonville - Porter 1/2 as two single circuit lines. Replace two (2) existing switches.	MVT	FIRM	Not Applicable	Not Applicable	Required	Planned	01/2028
Rome-Oneida #1 Rebuild	Rebuild 115kV Rome-Oneida #1 bussed line as two single circuits. Install breakers and associated equipment at Rome & Oneida.	System Capacity	NON-FIRM	Not Applicable	Not Applicable	Required	Concept	04/2034

#### **Mohawk**



Gloversville, Amsterdam, Cobleskill Fulton, Montgomery, Schoharie, Otsego, Schenectady Counties

Base Map from NYISO

# Mohawk (1 of 4)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
East Point Solar (Marshville)	Construction of a 50MW solar generation facility in Sharon 69kV (Viglione)	Customer Request / Public Requirement	FIRM	Completed	Completed	Not Applicable	Completed	04/2024
Stoner Station upgrades (CLCPA)	Upgrade limiting equipment at Stoner	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applicable	Completed	06/2024
Rotterdam 10/12 Terminal Upgrades (CLCPA)	Upgrade terminal equipment on Lines 10 & 12 at Rotterdam	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2025
Tayandenega Solar (St. Johnsville 6)	Construction of a 20MW solar generation facility Inghams St.Johnsville 6 115KV	Customer Request / Public Requirement	FIRM	Completed	Completed	Not Applicable	Under Construction	12/2026
New Manheim Greenfield Project	Build a new greenfield 115/46/13.2kV substation to replace Inghams. Install breakers, transformers, a 115kV phase angle regulator (PAR) and associated equipment.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	12/2026

# Mohawk (2 of 4)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Rotterdam 69kV Rebuild & New TB	Add a second 115/69kV transformer at Rotterdam and rebuild the Rotterdam 69kV yard.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	03/2027
Schoharie-Schenectady International-Rotterdam 18/4 Rebuild	Rebuild approximately 1 mile of Lines 18/4 outside Rotterdam	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	03/2027
Inghams-Marshville (CLCPA)	Rebuild Inghams - Marshville (~17 miles)	MVT	FIRM	Not Applicable	Not Applicable	Required	Planned	05/2027
Clinton Station upgrades (CLCPA)	Upgrade limiting equipment at Clinton	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	08/2027
Marshville 115kV Rebuild (CLCPA)	Replace transformer, upgrade existing transformer, upgrade limiting equipment.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	06/2028

# Mohawk (3 of 4)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Ames Road 345-115kV Station (CLCPA)	Construct a new 345kV/115kV station in a breaker and a half configuration for the 345kV and 115kV yards with two (2) transformers tying the yards together. There will be four (4) 115kV line bays. four (4) 345kV line bays and a spare 115kV bay. This station will have two (2) 345/115kV 448MVA transformers.	MVT	FIRM	Q1672	Not Applicable	Not Applicable	Planned	06/2028
Saltsman Road Station (CLCPA)	Build a new 115kV five (5) breaker ring bus transmission station along the right-of-way for the Inghams-Meco-Clinton #15 and Inghams-Stoner#9 line south of Saltsman Rd near where the line is tapped to feed the Clinton Station.	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	11/2028

# Mohawk (4 of 4)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Meco 115kV Rebuild (CLCPA)	Replace the existing TR1 and install a new 115kV-69kV 56 MVA with LTC TR2. Upgrade R22 and R21 circuit breakers. Upgrade four (4) 115kV gang operated disconnect switches SW2288 SW2277 SW1588 and SW1577 Upgrade 115kV MOD switch SW6177	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	12/2029
Inghams-Rotterdam Rebuild (CLCPA)	Rebuild the 115kV corridor from Inghams to Meco to Stoner to Maple Ave to Church St to Rotterdam (~50 miles of double circuit) (CLCPA)	MVT	FIRM	Not Applicable	Not Applicable	Required	Planned	12/2029
Gloversville - Marshville 6 Rebuild	Gloversville Marshville #6 rebuild approximately 20 miles of 69kV	MVT	NON-FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	12/2030

#### **Northeast**



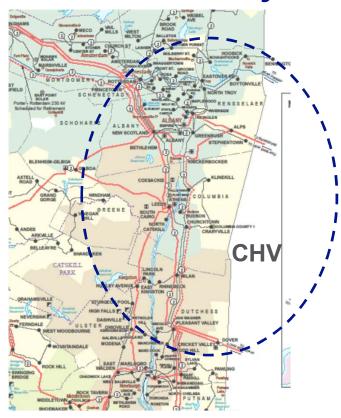
Ticonderoga, Glens Falls, Saratoga Essex, Warren, Washington, Saratoga Counties

Base Map from NYISO

# Northeast (1 of 1)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Mohican Station Rebuild	Replace certain 115kV and 34.5kV assets including TR1, TR2, seven (7) 34.5kV OCB, four (4) 115kV OCBs, add 115-13.2kV substation	MVT	FIRM	Not Applicable	Not Applicable	Not Applicable	Planned	05/2028
Luther Forest - 3rd Capacitor Bank	Install third 115kV-55MVAR capacitor bank	System Capacity	FIRM	Not Applicable	Not Applicable	Not Applcable	Concept	06/2032
Lasher Road Line 1	Reconductor first three spans out of Lasher Road	System Capacity	NON-FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	06/2032
Spier-Queensbury 5/17 Rebuild	Rebuild approximately 5 miles of Lines 5 & 17	System Capacity	NON-FIRM	Not Applicable	Not Applicable	Not Applicable	Concept	06/2032

#### **Capital & Hudson Valley**



Albany-Schenectady- Troy, Hudson

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

#### Capital & Hudson Valley (1 of 1)

Project Name	Scope	Project Driver	Firm / Non- Firm	Status of SIS (if applicable)	Status of Facilities Study (if applicable)	Article VII Status	Project Status	Expected In- Service Date
Rotterdam Cap Bank Retention	Retain Capacitor Bank at Rotterdam that was planned to be retired	System Capacity	FIRM	Not Applicable	Not Applicable	Not Required	Completed	02/2024
St. Campus-Menands #15 UG Cable Replacement	Replace 0.4 mile of UG cable on two parallel 115 kV circuits	System Capacity	NON-FIRM	Not Applicable	Not Applicable	Not Required	Planned	02/2029
Greenbush 115 & 34.5kV Refurbishment	Build a new greenfield BAAH substation to replace the existing 115kV 34.5kV portions	Asset Condition	NON-FIRM	Not Applicable	Not Applicable	Not Required	Planned	09/2031
Eastover 230kV 70 MVAR Cap Bank	Install an additional capacitor bank at Eastover.	System Capacity	FIRM	Not Applicable	Not Applicable	Not Required	Concept	06/2032

#### **National Grid LTP**

Interested parties may submit written comments on National Grid's LTP within 30 days (December 1, 2024) to:

Mark Domino PE, Consulting Engineer

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.

# nationalgrid