

National Grid 2025 Local Transmission Plan

Mark Domino, PE
October 30, 2025

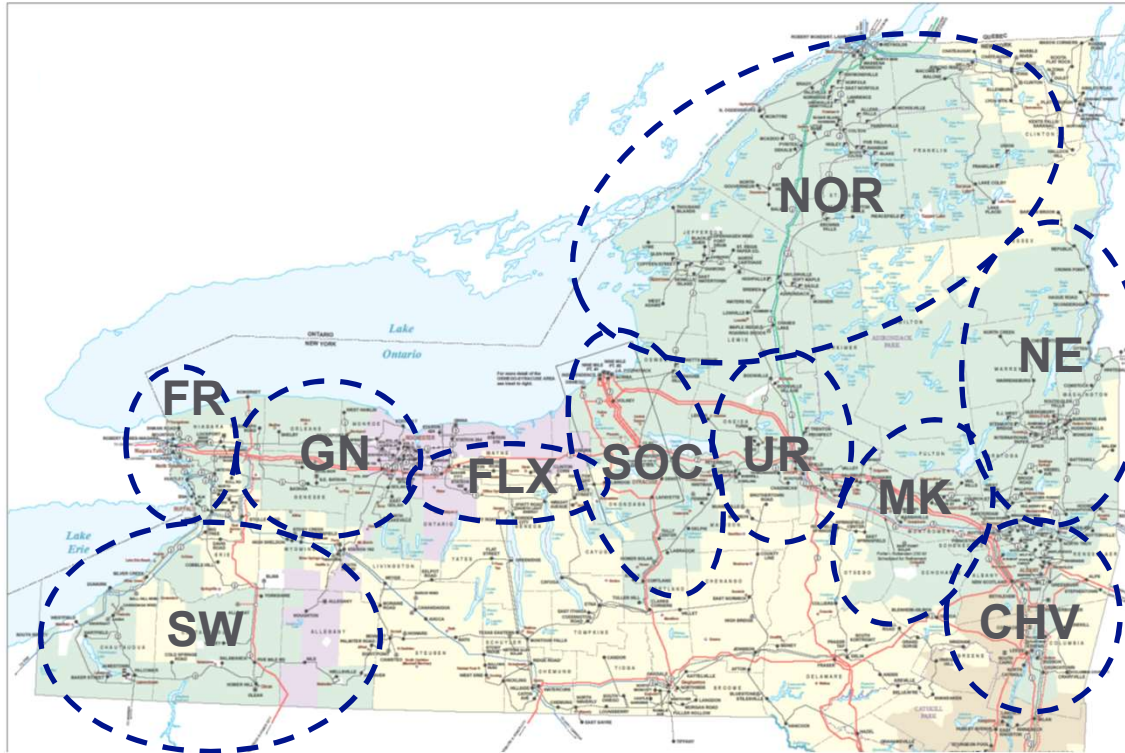
nationalgrid



National Grid Statistics - NY

# Customers	1,694,502
LSE Square Miles	25,013
Transmission Ckt Miles	5,606
Tx 69 & 115 kV Ckt Miles	4,532
# Tx Substations	194
# Dx Substations	514
# Power of Transformers	1,164
# Circuit of Breakers	4,837
NYISO Zones	A - F

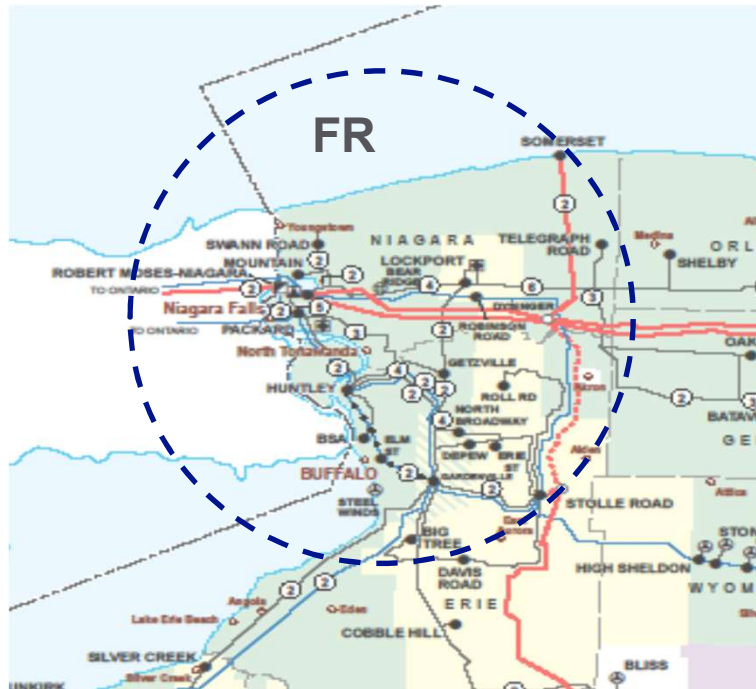
National Grid Planning Areas



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	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Industrial Customer Tap Removal 115 kV	Remove the 115 kV tap from Gardenville-Ohio St 146 to the customer station	Customer Request / Public Requirement	Firm	N/A	N/A	N/A	In-Service	06/2025
Zimmerman Switch Replacements	Replace switches 374 & 375 at Zimmerman SWS	Reliability	Firm	N/A	N/A	N/A	Planned	01/2026
Packard Replace OCBs	Replacement of the three 115 kV OCBs R2123, R2173, and R2193	Asset Condition	Firm	N/A	N/A	N/A	Planned	02/2026
Elm St TR2 Replacement	Replacement of 240-24 kV transformer and 23 kV breaker	Asset Condition	Firm	N/A	N/A	N/A	Under Construction	04/2027

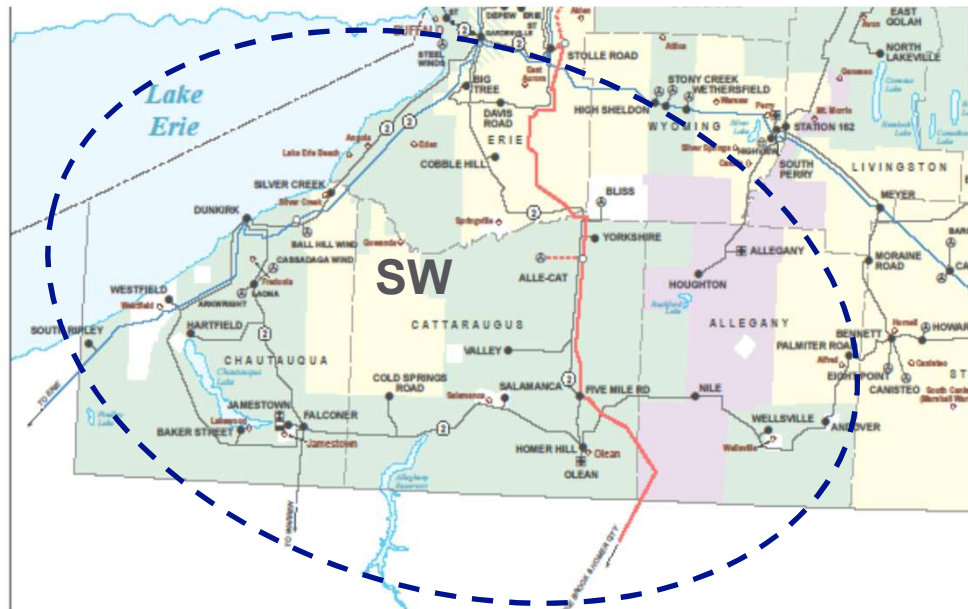
Frontier (2 of 3)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	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	Resiliency	Firm	N/A	N/A	N/A	Planned	04/2027
Packard-Huntley 130/133	Reconductor ~9 mi of DCT 130/133; Change protection settings at Packard, Walck and Huntley stations	System Capacity	Firm	N/A	N/A	N/A	Planned	08/2027
Niagara Digital Campus (Q1681)	Interconnect to Lines 187/188 including any SUFs on Lines 187/188 and at Packard Station	Customer Request / Public Requirement	Firm	In Progress	N/A	N/A	Planned	12/2027
Industrial Customer 115 kV (Niagara)	Extend taps from 185/186 to replace existing 12 kV service	Customer Request / Public Requirement	Firm	N/A	N/A	N/A	Concept	06/2028

Frontier (3 of 3)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Lockport Station Rebuild	Replace existing 115 kV Lockport station with greenfield station breaker-and-a-half, including extending the transmission lines to new greenfield location	MVT	Firm	N/A	N/A	N/A	Planned	11/2029
Katherine Street/First Ward Substation	New 115-13.2 kV substation connected to the existing Ohio Street-Gardenville 145/146 lines, load moved from various existing Buffalo stations; Reconductor portions of the radial 115 kV Lines 145 & 146	System Capacity	Firm	N/A	N/A	N/A	Planned	03/2032
Packard-Gardenville Reconfiguration 115 kV Lines 180, 182, 181-922	Install additional breakers at Gardenville, reactors at Packard, bus existing 181, build Line 922 Urban-Gardenville; Reconfigure Lines 180, 181, 182, and 922	System Capacity	Firm	N/A	N/A	N/A	Planned	08/2033

Southwest



South of Buffalo/Gardenville,
Dunkirk, Olean

Southern Erie, Chautauque,
Cattaraugus, Allegany
Counties

Base Map from NYISO

Southwest (1 of 2)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Gardenville-Dunkirk 141/142 Rebuild (North)	Rebuild 115 kV Gardenville to North Angola (~20 mi)	MVT	Firm	N/A	N/A	Complete	In-Service	02/2025
CS2-DG - Hartfield R1446/R1450 RU	Replace/upgrade the relays for R1446 and R1450	DER Electric System Access	Firm	N/A	N/A	N/A	In-Service	04/2025
Nile Hill SWS Upgrades on Line 157 (CLCPA)	Replace switches 663 and 664, replace 900 ft of conductor	MVT	Firm	N/A	N/A	N/A	Under Construction	10/2025
Nile Hill Station Upgrades (CLCPA)	Replace conductor between SW660 and 676	MVT	Firm	N/A	N/A	N/A	Under Construction	10/2025
Dunkirk-Falconer 160 Resiliency	Add Automatic Line Sectionalizing to Berry Road and Baker Street Stations and 115 kV breakers to West Ashville	Resiliency	Firm	N/A	N/A	N/A	Planned	05/2026

Southwest (2 of 2)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Q596 Alle Catt II Wind Project	New three-breaker ring bus substation (Lime Lake Road Station)	Customer Request / Public Requirement	Firm	Complete	Complete	N/A	Planned	06/2026
Dunkirk-Laona 161/162 Reconductor (CLCPA)	Reconductor 115 kV (~5 mi)	MVT	Firm	N/A	N/A	N/A	Planned	12/2026
Homer Hill Station Asset replacement	115 kV & 34.5 kV OCB replacements with SF6 breakers	MVT	Firm	N/A	N/A	N/A	Planned	10/2028
Moons-Falconer 175/176 Rebuild	Rebuild DCT (~14 mi)	MVT	Firm	N/A	N/A	N/A	Planned	08/2031
Gardenville Dunkirk 141/142 (South)	115kV Rebuild North Angola to Dunkirk (~20 mi)	MVT	Non-Firm	N/A	N/A	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 4)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Industrial Customer 115 kV	New 115 kV line extension to supply a customer	Customer Request / Public Requirements	Firm	N/A	N/A	N/A	In-Service	05/2025
Batavia - Transformer	Replacement of transformer internal pumps	Asset Condition	Firm	N/A	N/A	N/A	Under Construction	10/2025
CS2-DG - N Lakeville Relay Upgrades	Replace/upgrade the relays for R292, R302, R342, and R372	DER Electric System Access	Firm	N/A	N/A	N/A	Under Construction	10/2025
Brockport - Rplc CB R412 DF	Replace 34.5 kV circuit breaker R412	Damage/Failure	Non-Firm	N/A	N/A	N/A	N/A	10/2026

Genesee (2 of 4)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Heritage Wind-Stations	Interconnect Heritage Wind to Lines 113 and 114 via a 5-breaker ring bus station (Quaker Hill Rd); Modifications at Lockport, Mortimer, and Rochester Pump Stations	Customer Request / Public Requirement	Firm	Complete	Complete	N/A	Planned	12/2026
Lockport - Travelling Wave 113	Install SEL-411L relays at both Lockport and Mortimer on #113	Reliability	Firm	N/A	N/A	N/A	Under Construction	01/2027
Medina - CB Replacements	Replace 34.5 kV circuit breakers R7231 and R7241	Asset Condition	Firm	N/A	N/A	N/A	Planned	07/2027
Golah Sub Rebuild (CLCPA)	Rebuild Golah Transmission Substation to breaker-and-a-half, including re-terminating lines 109, 110, 116, 119, and 853	MVT	Firm	N/A	N/A	N/A	Planned	02/2028

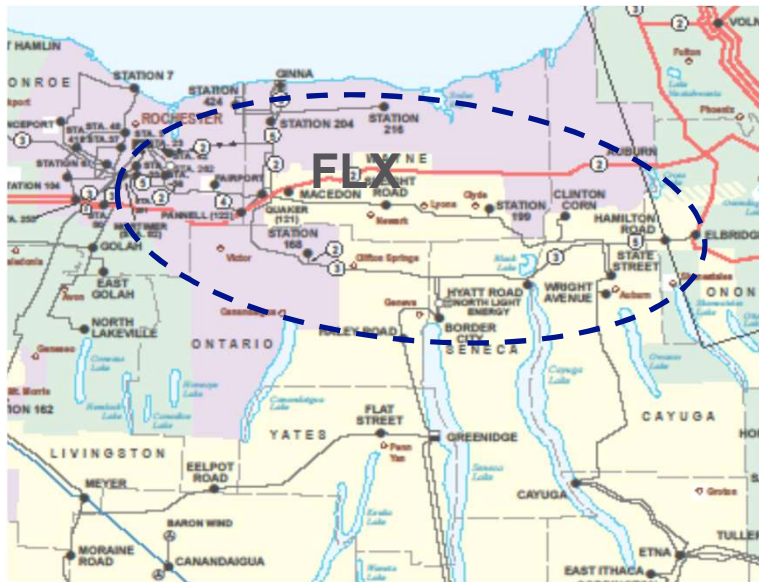
Genesee (3 of 4)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Rebuild Mortimer-Golah 109 69 kV	Rebuild 9.6 mi of 69 kV to 115 kV	MVT	Firm	N/A	N/A	Complete	Planned	05/2028
North Leroy – 115 kV Thermal Upgrade	Replace existing motor-operated disconnects SW28 and SW29 with new 2000A motor-operated disconnects	MVT	Firm	N/A	N/A	N/A	Under Construction	08/2028
Lockport - Batavia 112 Rebuild	Rebuild 115 kV from Lockport to Oakfield (~22 mi)	MVT	Firm	N/A	N/A	Received	Planned	09/2028
Rebuild Mortimer-Golah 110	Rebuild ~10 mi of 115 kV	MVT	Firm	N/A	N/A	N/A	Planned	11/2028
EV RS - Pembroke T-line	Install new transmission Line taps to the new distribution substation for EV Highway rest stop charging	System Capacity	Non-Firm	N/A	N/A	Required	Initiated	08/2029

Genesee (4 of 4)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Southeast Batavia-Golah 119 Rebuild (CLCPA)	Rebuild approximately 16 mi of 115 kV	CLCPA	Firm	N/A	N/A	In Settlement	Planned	09/2029
Brockport Taps ACR	Rebuild Brockport Taps 111 & 113 for ~3 ckt miles each	Asset Condition	Firm	N/A	N/A	N/A	Planned	07/2033
Lockport-Batavia 107 Rebuild	Rebuild ~35 mi of 115 kV	MVT	Non-Firm	N/A	N/A	Required	Concept	09/2035
Lockport-Batavia 108 Rebuild	Rebuild ~35 mi of 115 kV	MVT	Non-Firm	N/A	N/A	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	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Farmington Sta 168 (Avangrid) Interconnection	Remove the existing Taps from Lines 7 and 4/4A; Loop Lines 2 and 4/4A in-an-and out to create four new lines	Customer Request / Public Requirement	Firm	N/A	N/A	N/A	Under Construction	11/2025
Mortimer - Pannell 24/25	Rebuild approximately 16 mi of existing double circuit	MVT	Firm	N/A	N/A	Complete	Planned	10/2030
Mortimer Station Work 24/25 Line Rebuild	Replace terminal equipment, including relays at Mortimer as part of Mortimer-Pannell rebuild project	MVT	Firm	N/A	N/A	Complete	Planned	12/2030
Quaker-Sleight Road #13 Rebuild	Rebuild ~8 mi of structures and reconductor with 1590 ACSS 54/19	MVT	Non-Firm	N/A	N/A	N/A	Planned	05/2033

Syracuse / Oswego / Cortland (SOC)



Elbridge – Oswego – Oneida -
Cortland

Oswego, Onondaga, Cortland,
Madison Counties

Base Map from NYISO

SOC (1 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Clay - Wetzel Resiliency	Install breaker at Clay; Build ~2000 ft of 115 kV for radial line to Wetzel Rd from Clay using LHH-Clay (Wetzel) Tap 7	Asset Condition	Firm	N/A	N/A	N/A	In-Service	04/2025
Bailey Station MEMCO Replacement	Replace 345 kV switches	Damage / Failure	Firm	N/A	N/A	N/A	In-Service	06/2025
East Conklin Sta. MEMCO Replacement	Replace 345 kV switches	Damage / Failure	Firm	N/A	N/A	N/A	In-Service	06/2025
Dewitt – 345 kV CB R220 DF	Replace 345 kV circuit breaker R220	Damage / Failure	Firm	N/A	N/A	N/A	Under Construction	10/2025
Oswego Station 345 kV Asset Separation	Remove NG assets in the generation plant and put in new Control House; Replace deteriorated equipment	Asset Condition	Firm	N/A	N/A	N/A	Under Construction	11/2025
Volney Station MEMCO Replacement	Replace twelve 345 kV switches	Damage / Failure	Firm	N/A	N/A	N/A	Under Construction	03/2026

SOC (2 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Scriba - Rplc CB R200	Replace GCB R200	Asset Condition	Firm	N/A	N/A	N/A	Planned	11/2026
S Oswego - Lighthouse Hill Resiliency	Add Remote Control capability at several existing 115 kV switches at/near East Pulaski and Wine Creek	Resiliency	Firm	N/A	N/A	N/A	Planned	12/2026
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 new set of three 115 kV CCVTs; Overhead strain bus and connections between breakers and nearby disconnects will be replaced in #5, #6, and #7 bays	MVT	Firm	N/A	N/A	N/A	Planned	11/2026

SOC (3 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Mallory 115 kV Breakers	Add breakers to Mallory Road to sectionalize Lighthouse Hill-Clay 7	Asset Condition	Firm	N/A	N/A	N/A	Planned	02/2027
Maiden Lane (CLCPA)	Construct a greenfield 115 kV breaker-and-a-half station connecting six 115 kV lines on the Oswego-LHH Corridor	MVT	Firm	N/A	N/A	In Settlement	Planned	03/2027
Scriba Volney Series Reactor	Install a series reactor on the Scriba - Volney #20	Customer Request/ Public Requirement	Firm	Complete	Complete	N/A	Planned	06/2027
Tar Hill Station	Replace 115 kV Lighthouse Hill with new Breaker-and-a-half substation; Build new connections between existing network and Tar Hill	MVT	Firm	N/A	N/A	N/A	Planned	11/2027

SOC (4 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Clay - Micron Fab1	Build out two bays at Clay 345 kV substation; Extend 345 kV cables to Customer Substation	Customer Request / Public Requirement	Firm	Complete	Complete	Complete	Under Construction	01/2028
Reconductor Cortland-Clarks Corners	Reconductor ~0.2 mi of conductor to match the rest of the line	System Capacity	Firm	N/A	N/A	N/A	Planned	03/2028
East Ave Station (CLCPA)	Build a greenfield four breaker ring station along S Oswego - LHH Corridor; Interconnect existing lines	MVT	Firm	N/A	N/A	In Settlement	Planned	05/2028
Lighthouse Hill - Clay 7 Rebuild (CLCPA)	Rebuild ~27 mi bussed LLH-Clay 7 as two single circuits; Replace two existing switches	MVT	Firm	N/A	N/A	Application Deemed Complete	Planned	08/2028

SOC (5 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Homer Solar	Construction and commissioning of new 3-breaker ring Shippey Rd substation	Customer Request / Public Requirement	Firm	Complete Q0276	Complete	N/A	Planned	04/2029
S Oswego - Lighthouse Hill Rebuild (CLCPA)	Rebuild ~27 mi of double circuit and 2 mi of single circuit	MVT	Firm	N/A	N/A	In Settlement	Planned	05/2029
Solvay: Asset Replacement	Replace two 115 kV Circuit Switchers	Asset Condition	Firm	N/A	N/A	N/A	Planned	06/2029
Sky High Solar T-Stations	Interconnection to National Grid's 115 kV Tilden-Cortland Line 18	Customer Request / Public Requirement	Firm	Complete Q0545	Complete	N/A	Planned	09/2029
Bristol Hill - Asset Replacement	Replace switch #17	Asset Condition	Non-Firm	N/A	N/A	N/A	Concept	06/2030
Geres Lock - Solvay 2 Switch	Replace switch X2-1 on Geres Lock - Solvay 2	Reliability	Firm	N/A	N/A	N/A	Planned	07/2030

SOC (6 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Cicero Substation	Transmission line taps from the Clay - Dewitt #3 and the Clay - Teall #10 into the new Cicero substation	Reliability	Firm	N/A	N/A	Required	Planned	10/2030
Duguid (Clay-DeWitt) Resiliency	Replace existing switch X5-1 and include remote control capability on Clay-DeWitt 5	Resiliency	Firm	N/A	N/A	N/A	Planned	10/2030
DeWitt Station 115 kV Rebuild	Rebuild DeWitt 115 kV Substation to BPS Standards	Customer Request / Public Requirement	Firm	N/A	N/A	N/A	Planned	10/2030
Tilden: Asset Replacement	Replace 3 circuit breakers	MVT	Firm	N/A	N/A	N/A	Planned	01/2031

SOC (7 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Clay - Micron Fab 2	Expand Clay substation with additional 345 kV breakers and reactive devices; Adjust location of an existing transmission line; Extend 345kV cables to Customer Substation	Customer Request / Public Requirement	Firm	Complete	N/A	N/A	Planned	03/2031
South Oswego: 115 kV Asset Replacement	Replace 6 circuit breakers	Asset Condition	Firm	N/A	N/A	N/A	Planned	06/2031
DeWitt - Tilden Resiliency	Install 115 kV breakers at Southwood and Pebble Hill	Resiliency	Firm	N/A	N/A	N/A	Planned	09/2031
Scriba - Replace GCBs w VCBs	Replace 4 GCBs with VCBs	Asset Condition	Non-Firm	N/A	N/A	N/A	Concept	05/2032

SOC (8 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
West Lysander Station	Build new 345/115 kV substation; Split 345 kV lines 1,2, and 17	System Capacity	Non-Firm	Q1627 Complete	Started	N/A	Planned	06/2032
Geres Lock - Asset Replacement	Replace deteriorated assets	MVT	Non-Firm	N/A	N/A	N/A	Concept	07/2033
Elbridge - Geres Lock Capacity	Reconductor all ~8 mi of both lines (DCT); New conductor size TBD.	System Capacity	Non-Firm	N/A	N/A	N/A	Concept	04/2033
Pebble Hill - Replace Disconnect	Replace SW194	Reliability	Non-Firm	N/A	N/A	N/A	Concept	12/2034
Curtis St - Teall #13 ACR	Install four new switches	Asset Condition	Firm	N/A	N/A	N/A	Planned	11/2035

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	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Dennison Station Upgrades (CLCPA)	115 kV station equipment upgrades.	MVT	Firm	N/A	N/A	N/A	In-Service	02/2025
Alcoa Station Upgrade (CLCPA)	Upgrade all existing station connection conductors used for the existing breaker bay conductors; Upgrade existing 115 kV bus	MVT	Firm	N/A	N/A	N/A	In-Service	03/2025
Colton Station Term Equip Upgrade (CLCPA)	Upgrade existing disconnect #34; Upgrade existing current limiting conductors in the line #3; Upgrade the main bus conductors near the line #2, #3, #5 and #8 connections	MVT	Firm	N/A	N/A	N/A	In-Service	08/2025
Roosevelt Solar LLC	Interconnection of a PV project to Akwesasne Station 825 Substation 34.5 kV	Customer Request / Public Requirement	Non-Firm	Complete Q1212	In Progress	N/A	Cancelled	N/A

Northern (2 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
St Lawrence Data and Agricultural Center	Interconnection of a new customer	Customer Request / Public Requirement	Non-Firm	Complete Q1213	In Progress	N/A	Planned	01/2026
Flat Rock	Replace ~200 ckt ft of 115 kV conductor	MVT	Firm	N/A	N/A	N/A	Planned	04/2026
Indian River - North Watertown (was "Lyme Junction")	Build ~9 mi of a new 115 kV 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 115 kV breaker and associated equipment at Indian River.	Resiliency	Firm	N/A	N/A	N/A	Under Construction	03/2026
Malone PAR	Install PAR on Malone - Wills 1-910	MVT	Firm	N/A	N/A	N/A	Planned	11/2026

Northern (3 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Malone 115-13.2 kV substation expansion	Expand 115-13.2 kV substation with a second transformer and additional distribution feeders	System Capacity	Firm	N/A	N/A	N/A	Planned	11/2026
North Foothills	Interconnection of a PV project to Malone 115 kV Substation	Customer Request / Public Requirement	Non-Firm	In Progress Q1436	In Progress	N/A	Cancelled	N/A
Coffeen - Lyme Junction Rebuild (CLCPA)	Rebuild the 7.4 mi single circuit section of the 115 kV Thousand Islands-Coffeen #4 line from Coffeen station to Lyme junction; Upgrade one existing switch	MVT	Firm	N/A	N/A	N/A	Planned	02/2027

Northern (4 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Black River Station Upgrades (CLCPA)	Upgrade the five existing 115 kV circuit breakers R10, R20, R30, R50, and R80 and associated disconnect switches; Install one new 115 kV series bus tie-breaker; Upgrade existing conductor drops from 115 kV Line #1 #2, #3, #5, and #8 takeoff structures to the new line disconnects	MVT	Firm	N/A	N/A	N/A	Planned	04/2027
Middle Road Station (CLCPA) // Staplin Creek	Build a new six-breaker ring station to replace the existing Middle Road Substation	MVT	Firm	N/A	N/A	N/A	Application Deemed Complete	06/2028
Coffeen Asset Replacement	Rebuild 115 kV Coffeen substation as a breaker-and-a-half	MVT	Firm	N/A	N/A	N/A	Concept	07/2027

Northern (5 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Beaver River (CLCPA)	Build a greenfield breaker-and-a-half substation to replace Taylorville, including 115 kV and 23 kV voltage levels	MVT	Firm	N/A	N/A	Application Deemed Complete	Planned	12/2027
Gulf Road Station (Boonville Rebuild)	Build a greenfield breaker-and-a-half substation to replace the existing (NG) Boonville Station	MVT	Firm	N/A	N/A	Application Deemed Complete	Planned	09/2028
Colton - Nicholville (Malone) #3 Rebuild (CLCPA)	Rebuild the 18.3 mi single circuit section of 115 kV Colton-Malone #3 between the Colton Substation and the Nicholville Substation (NG portion); Upgrade two existing switches	MVT	Firm	N/A	N/A	Complete	Planned	05/2028

Northern (6 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Coffeen - Black River Rebuild (CLCPA)	Rebuild the 7.5 mi single circuit 115 kV Coffeen-Black River 3	MVT	Firm	N/A	N/A	Not Required	Planned	04/2028
Golden Knight Solar	Interconnect a solar project to the Colton-Nicholville (Malone) 115 kV transmission line	Customer Request / Public Requirement	Non-Firm	In Progress Q1566	In Progress	N/A	Cancelled	N/A
Coffeen Synchronous Condensers (CLCPA)	Expand Coffeen Station to install two Synchronous Condensers along with associated transformers, breakers and other equipment	MVT	Firm	N/A	N/A	Not Required	Planned	02/2029
Beaver Creek - Synchronous Condensers (CLCPA)	Install synchronous Condensers and associated breakers and equipment at Beaver Creek	MVT	Firm	N/A	N/A	Application Deemed Complete	Planned	07/2029

Northern (7 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Coffeen - East Watertown Rebuild (CLCPA)	Rebuild the 7.5 mi single circuit and 2.0 mi double circuit sections of the 115 kV Coffeen - Lighthouse Hill - Black River #5	MVT	Firm	N/A	N/A	Not Required	Planned	09/2029
Black River - LHH Rebuild (CLCPA)	Rebuild the existing 35.6 mi double circuit Black River - Lighthouse Hill 115 kV corridor as two single circuit lines, including Black River - Lighthouse Hill #5, Black River - Middle Road #8, and Middle Road - Lighthouse Hill #6; Upgrade four existing switches	MVT	Firm	N/A	N/A	Application Deemed Complete	Planned	12/2029

Northern (8 of 8)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Taylorville - Boonville Rebuild (CLCPA)	Rebuild the 33.9 mi double circuit 115 kV Taylorville - Boonville #5 and Taylorville-Boonville #6 as two single circuit lines; Replace four existing switches	MVT	Firm	N/A	N/A	Application Deemed Complete	Planned	12/2029
Black River - Taylorville Rebuild (CLCPA)	Rebuild the 26.1 mi double circuit 115 kV Black River - Taylorville #2, Black River - North Carthage #1, and North Carthage - Taylorville #8 as two single circuits in the same corridor; Upgrade two existing 115 kV switches	MVT	Firm	N/A	N/A	Application Deemed Complete	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	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Watkins Rd Solar	System modifications to accommodate Watkins Rd Solar at Watkins Rd Line 8	Customer Request / Public Requirement	Firm	Complete Q0586	Complete	N/A	Planned	03/2027
Oneida Station Rebuild	115 kV Station Rebuild as a breaker-and-a half; Install an additional 115 kV Capacitor Bank	MVT	Firm	N/A	N/A	N/A	Planned	10/2027
Hills Solar	System modifications to accommodate Hills Solar on Fairfield - Inghams 3	Customer Request / Public Requirement	Firm	Complete Q0581	Complete	N/A	Planned	05/2028
Boonville - Porter Rebuild (CLCPA)	Rebuild the double circuited 115 kV Boonville - Porter 1/2 as two single circuit lines; Replace two existing switches	MVT	Firm	N/A	N/A	Application Deemed Complete	Planned	05/2028

Utica / Rome (2 of 2)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Terminal Station Rebuild	Rebuild 115/13.2 kV substation adjacent to existing; 115 kV configuration will be a four-breaker ring.	Asset Condition	Firm	N/A	N/A	N/A	Planned	02/2029
Yahnundasis - Porter Resiliency	Add Motor-Operated Disconnect to the 115 kV line	Resiliency	Firm	N/A	N/A	N/A	Planned	10/2029
Rome-Oneida #1 Rebuild	Rebuild 115 kV Rome-Oneida #1 bussed line as two single circuits; Install breakers and associated equipment at Rome & Oneida	System Capacity	Non-Firm	N/A	N/A	Required	Concept	04/2033

Mohawk



Base Map from NYISO

Gloversville, Amsterdam, Cobleskill

Fulton, Montgomery, Schoharie,
Otsego, Schenectady Counties

Mohawk (1 of 4)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
East Point Solar (Marshville)	Construction of a 50 MW solar generation facility in Sharon 69 kV (Viglione)	Customer Request / Public Requirement	Firm	Complete Q0619	Complete	N/A	In-Service	06/2024
Stoner Station upgrades (CLCPA)	Upgrade limiting equipment at Stoner	System Capacity	Firm	N/A	N/A	N/A	In-Service	08/2024
New Manheim Greenfield Project	Build a new greenfield 115/46/13.2 kV substation to replace Inghams; Install breakers, transformers, a 115 kV phase angle regulator (PAR) and associated equipment	MVT	Firm	N/A	N/A	N/A	Under Construction	06/2026
Rotterdam 10/12 Terminal Upgrades (CLCPA)	Upgrade terminal equipment on Lines 10 & 12 at Rotterdam	MVT	Firm	N/A	N/A	Planned	Planned	12/2026

Mohawk (2 of 4)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Tayandenega Solar Q0565	Interconnect a 20 MW solar generation facility to Inghams St. Johnsville 6 115 KV	Customer Request / Public Requirement	Firm	Complete	Complete	N/A	Cancelled	N/A
Schoharie-Schenectady International-Rotterdam 18/4 Rebuild	Rebuild ~1 mi of Lines 18/4 outside Rotterdam	MVT	Firm	N/A	N/A	N/A	Planned	03/2027
Inghams-Marshville (CLCPA)	Rebuild Inghams - Marshville (~17 mi)	MVT	Firm	N/A	N/A	Required	Planned	05/2027
Marshville 115kV Rebuild (CLCPA)	Replace transformer; Upgrade existing transformer; Upgrade limiting equipment.	MVT	Firm	N/A	N/A	N/A	Planned	05/2027

Mohawk (3 of 4)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Clinton Station upgrades (CLCPA)	Upgrade limiting equipment at Clinton	System Capacity	Firm	N/A	N/A	N/A	Planned	08/2027
Ames Road 345-115 kV Station (CLCPA)	Construct a new 345 kV/115 kV station in a breaker and a half configuration with transformers tying the yards together	MVT	Firm	In Process Q1672	N/A	Amendment By Others (NYPA)	Planned	02/2028
Saltsman Road Station (CLCPA)	Build a new 115 kV five-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	N/A	N/A	N/A	Planned	10/2028

Mohawk (4 of 4)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Meco 115 kV Rebuild (CLCPA)	Replace the existing TR1 and install a new 115 kV-69 kV 56 MVA with LTC TR2; Upgrade R22 and R21 circuit breakers; Upgrade four 115 kV gang operated disconnect switches SW2288, SW2277, SW1588, and SW1577; Upgrade 115 kV MOD switch SW6177	MVT	Firm	N/A	N/A	N/A	Planned	12/2029
Inghams-Rotterdam Rebuild (CLCPA)	Rebuild the 115 kV corridor from Inghams to Meco to Stoner to Maple Ave to Church St to Rotterdam (~50 mi of double circuit) (CLCPA)	MVT	Firm	N/A	N/A	Required	Planned	12/2029
Gloversville - Marshville 6 Rebuild	Rebuild, reconfigure, and/or remove ~20 mi of 69 kV	MVT	Non-Firm	N/A	N/A	N/A	Concept	12/2030

Northeast



Ticonderoga, Glens Falls, Saratoga

Essex, Warren, Washington,
Saratoga Counties

Base Map from NYISO

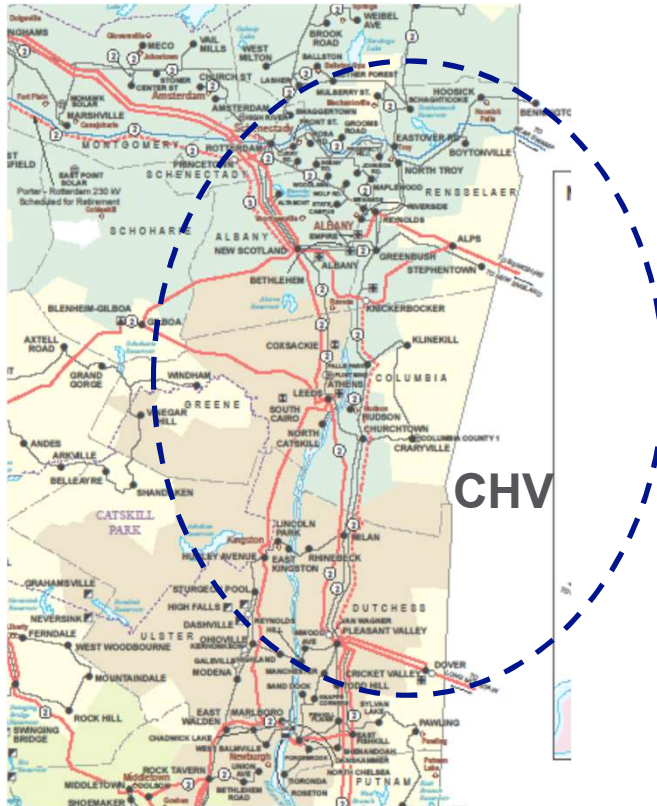
Northeast (1 of 2)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Spier Falls Asset Replacement / Separation	New control house following fire in existing hydro plant; New 115 kV breakers	MVT	Firm	N/A	N/A	N/A	Under Construction	05/2026
Ticonderoga LN2 tap for ELP Ticonderoga Solar	Build Line 2 tap for ELP Ticonderoga Solar	Customer Request/Public Requirement	Firm	Complete Q0734	Complete	N/A	Planned	09/2026
Mohican Station Rebuild	Replace certain 115 kV and 34.5 kV assets including TR1, TR2, seven 34.5 kV OCB, four 115kV OCBs; add 115-13.2 kV substation	MVT	Firm	N/A	N/A	N/A	Planned	06/2028
Bald Mountain Solar POI	Tap Mohican - Schaghticoke LN309 for 20 MW Bald Mountain Solar	Customer Request/Public Requirement	Firm	Complete Q0855	Complete	N/A	Planned	08/2028

Northeast (2 of 2)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Spier Falls - Mohican 115 kV lines 4/7/18 rebuild	Rebuild/reconductor 9.44 mi of double circuit 115 kV between Spier Falls and Mohican	MVT	Non-Firm	N/A	N/A	N/A	Concept	01/2032
Lasher Rd Line 1 three span reconductor	Reconductor the first three spans of Lasher Rd LN1	System Capacity	Non-Firm	N/A	N/A	N/A	Concept	06/2032
Spier - Queensbury 5/17 Rebuild	Rebuild 3.5 mi of 4/0 CU DCT on Spier end of LN5 & LN17	System Capacity	Non-Firm	N/A	N/A	N/A	Concept	09/2032
Luther Forest third capacitor bank	Add third 115 kV capacitor bank 54 MVAR	System Capacity	Non-Firm	N/A	N/A	N/A	Concept	11/2033
Warrensburg - Scofield Rd LN10 rebuild	Rebuild ~15 mi of single circuit 115 kV	MVT	Non-Firm	N/A	N/A	N/A	Concept	12/2033

Capital & Hudson Valley



Albany-Schenectady- Troy, Hudson

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

Capital & Hudson Valley (1 of 6)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Flint Mine Solar POI	Install 5-breaker ring 115kV station to bisect two lines to interconnect Flint Mine Solar generation	Customer Request / Public Requirement	Firm	Complete Q0637	Complete	N/A	Planned	12/2026
New Scotland R93&R94 Asset Replace & 115 kV BPS Upgrades	Replace deteriorated 345 kV R93 & R94, all three 345 kV capacitor banks, 345 kV 77K bus potential transformers, and 115 kV OCB R51; 115 kV BPS upgrade	Asset Condition	Firm	N/A	N/A	N/A	Planned	06/2029
Rotterdam Asset Replacement and 230 kV BPS upgrades	Replace 230kV breakers R24, R38, and R67 and switches (3888 & 6799)	Customer Request / Public Requirement	Firm	N/A	N/A	N/A	Planned	03/2029
Coeymans Creek / POWI / Q1646 / Port of Coeymans Rd	Bisect New Scotland - Alps line #2 with a new 345 kV 3-breaker ring, 3:1 station called Coeymans Creek Station; Build new 115 kV line ~2.5 mi to the Port of Coeymans to supply their 50 MW load	Customer Request / Public Requirement	Non-Firm	Complete Q1646	Not Complete	Required	Planned	01/2027

Capital & Hudson Valley (2 of 6)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
State Campus LN12 and LN15 Underground Cable Replacement	Replace 0.25 mi underground sections of LN12 and LN15	Reliability	Non-Firm	N/A	N/A	N/A	Planned	01/2030
Reynolds Rd short-term BPS upgrades	Add four 115 kV bus "B" relays and four associated lockout relays, rewire DC to provide A/B system redundancy; Install additional relay on Line 9; Replace all relaying on 115 kV capacitor bank; Remove DTT cross-keying of 345 kV lines	Customer Request / Public Requirement	Firm	N/A	N/A	N/A	Planned	12/2030
Greenbush 115 kV Station Rebuild	Rebuild Greenbush 115 kV Station as a breaker-and-a-half station in a new site and reroute lines; Extend two new 115 kV lines from the new site to the old site to supply the 115:34.5 kV and 115:13.2 kV transformers there	Asset Condition	Firm	N/A	N/A	N/A	Planned	04/2031

Capital & Hudson Valley (3 of 6)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Greenbush-Knickerbocker 13/14/15 DCT Rebuild	Rebuild part of the Greenbush – Hudson #15 (retired in place), Greenbush – Schodack #13, and the Schodack – Valkin #14 115 kV lines.	MVT	Non-Firm	N/A	N/A	Required	Concept	05/2031
Sunnyside Station	Construct a new transmission loop off the 115kV Front St - Rosa Rd #11 line that will energize a new 115:13.2 kV substation	System Capacity	Non-Firm	N/A	N/A	N/A	Concept	01/2032
Feuz Rd or Pangburn Rd Station	Bisect 345 kV line #18 (Marcy - New Scotland) with a 3-breaker ring station near where LN18 meets the retired 115 kV line #13 right-of-way; Third terminal for a new 345 kV line going north up the retired line #13 right-of-way toward Gordon Rd Station	Reliability	Non-Firm	N/A	N/A	N/A	Concept	08/2032

Capital & Hudson Valley (4 of 6)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
New 345 kV line - Feuz/Pangburn to Oak Ridge	New ~3 mi 345 kV line on the retired 115 kV line #13 right of way, from the planned Feuz Rd (or Pangburn Rd) station to the planned Oak Ridge Station.	Reliability	Non-Firm	N/A	N/A	Required	Concept	08/2032
Oak Ridge 345 kV Station	New 345:115 kV station, 4-breaker ring at 345 kV, two 3:1 transformers, and 5-6 bays of 115 kV breaker-and-a-half	Reliability	Non-Firm	N/A	N/A	N/A	Concept	08/2032
New 345 kV line - Oak Ridge to Gordon Rd	New 1.15 mi 345 kV line on the retired 115 kV line #13 right of way, from the planned Oak Ridge station to existing Gordon Rd station (LS Power)	Reliability	Non-Firm	N/A	N/A	N/A	Concept	08/2032

Capital & Hudson Valley (5 of 6)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Rotterdam 115 kV modifications for Oak Ridge line changes	If Oak Ridge and Rotterdam 115 kV are tied together with short 115 kV lines, series reactors are required at both stations to limit fault current	Reliability	Non-Firm	N/A	N/A	N/A	Concept	08/2032
345 kV LN18 mods for Feuz Rd (or Pangburn Rd) Station	Cut 345 kV line #18 at Feuz Rd (or Pangburn Rd) and loop it in/out of the new station	Reliability	Non-Firm	N/A	N/A	Required	Concept	08/2032
Eastover 70 MVAR cap bank	Install Eastover 70 MVAR capacitor bank on the 115 kV side	System Capacity	Non-Firm	N/A	N/A	N/A	Concept	09/2033

Capital & Hudson Valley (6 of 6)

Project Name	Scope	Project Driver	Firm / Non-Firm	Status of SIS	Status of Facilities Study	Article VII Status	Project Status	Expected In-Service Date
Rotterdam - Menands 115 kV corridor upgrades	Rebuild 8.7 mi of 115 kV DCT and 0.8 mi of 115 kV SCT	Reliability	Non-Firm	N/A	N/A	Required	Concept	02/2034
New Sugar Hill Station 230-115 kV station	New 230:115 kV substation to bisect the 230 kV Rotterdam-Eastover line and split up the single 115 kV circuit that supplies the pocket	Reliability	Non-Firm	N/A	N/A	Required	Concept	11/2034
Eastover LN10 & 308 DCT 7.5 mi rebuild	Rebuild approximately 7.5 miles of double-circuit 115 kV	Reliability	Non-Firm	N/A	N/A	Required	Concept	02/2037

National Grid LTP

Interested parties may submit written comments on National Grid's LTP within 30 days (November 29, 2025) 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