

Figure 15: Firm Transmission Plans (from the 2021 Load and Capacity Data Report Section VII)

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Expected In-Service Date/Yr Prior to (2) Year		Nominal Voltage in kV Operating/Design		# Of ckt	Thermal Ratings (4) Summer/Winter		Project Description / Conductor Size	Class Year / Type of Construction
<u>TIP Projects (19) (included in FERC 715 Base Case)</u>													
[430]	H.Q. Energy Services U.S. Inc.	Dennison	Alcoa	3	W	2020	115	115	1	1513	1851	954 ACSR	OH
545A	NextEra Energy Transmission NY	Dysinger (New Station)	East Stolle (New Station)	20	S	2022	345	345	1	1356 MVA	1612 MVA	Western NY - Empire State Line Project	OH
545A	NextEra Energy Transmission NY	Dysinger (New Station)	Dysinger (New Station)	PAR	S	2022	345	345	1	700 MVA	700 MVA	Western NY - Empire State Line Project	
556	NGRID	Porter	Rotterdam	-71.8	S	2022	230	230	1	1105	1284	AC Transmission Project Segment A/1-795 ACSR/1-1431 ACSR	
556	NGRID	Porter	Rotterdam	-72.0	S	2022	230	230	1	1105	1284	AC Transmission Project Segment A/1-795 ACSR/1-1431 ACSR	
556	NGRID	Edic	New Scotland	-83.5	S	2022	345	345	1	2228	2718	AC Transmission Project Segment A/2-795 ACSR	
556	NGRID	Rotterdam	New Scotland	-18.1	S	2022	115	230	1	1212	1284	AC Transmission Project Segment A/1-1033.5 ACSR/1-1192.5 ACSR	
556	LSP/NGRID	Edic	Gordon Rd (New Station)	69.0	S	2022	345	345	1	2228	2718	AC Transmission Project Segment A/2-795 ACSR/2-954 ACSS	
556	LSP/NGRID	Gordon Rd (New Station)	New Scotland	25.0	S	2022	345	345	1	2228	2718	AC Transmission Project Segment A/2-795 ACSR/2-954 ACSS	
556	LSP	Gordon Rd (New Station)	Rotterdam	transformer	S	2022	345/230	345/230	2	478 MVA	478 MVA	AC Transmission Project Segment A	
556	LSP/NGRID	Gordon Rd (New Station)	New Scotland	-25.0	S	2023	345	345	1	2228	2718	AC Transmission Project Segment A/2-795 ACSR/2-954 ACSS	
556	LSP	Gordon Rd (New Station)	Princetown (New Station)	5.2	S	2023	345	345	1	3410	3709	AC Transmission Project Segment A/2-954 ACSS	
556	LSP	Princetown (New Station)	New Scotland	20.2	S	2023	345	345	2	3410	3709	AC Transmission Project Segment A/2-954 ACSS	
556	LSP/NGRID	Princetown (New Station)	New Scotland	19.8	S	2023	345	345	1	2228	2718	AC Transmission Project Segment A/2-795 ACSR	
556	LSP/NYPA/NGRID	Edic	Princetown (New Station)	66.9	W	2023	345	345	2	3410	3709	AC Transmission Project Segment A/2-954 ACSS	
556	NYPA	Edic	Marcy	1.4	W	2023	345	345	1	3150	3750	AC Transmission Project Segment A; Terminal Equipment Upgrades to existing line	
556	NGRID	Rotterdam	Rotterdam	remove substation	S	2029	230	230	N/A	N/A	N/A	Rotterdam 230kV Substation Retirement	

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556	NGRID	Rotterdam	Eastover Rd	-23.8	S	2029	230	230	1	1114	1284	Rotterdam 230kV Substation Retirement, reconnect existing line	
556	LSP	Gordon Rd (New Station)	Rotterdam	remove transformer	S	2029	345/230	345/230	2	478 MVA	478 MVA	Rotterdam 230kV Substation Retirement	
556	NGRID	Gordon Rd (New Station)	Eastover Rd	23.8	S	2029	230	230	1	1114	1284	Rotterdam 230kV Substation Retirement; reconnect existing line	
556	LSP	Gordon Rd (New Station)	Gordon Rd (New Station)	transformer	S	2029	345/230	345/230	1	478 MVA	478 MVA	Rotterdam 230kV Substation Retirement, reconnect transformer to existing line	
556	LSP	Gordon Rd (New Station)	Rotterdam	transformer	S	2029	345/115	345/115	2	650 MVA	650 MVA	Rotterdam 230kV Substation Retirement	
543	NGRID	Greenbush	Hudson	-26.4	W	2023	115	115	1	648	800	AC Transmission Project Segment B	
543	NGRID	Hudson	Pleasant Valley	-39.2	W	2023	115	115	1	648	800	AC Transmission Project Segment B	
543	NGRID	Schodack	Churchtown	-26.7	W	2023	115	115	1	937	1141	AC Transmission Project Segment B	
543	NGRID	Churchtown	Pleasant Valley	-32.2	W	2023	115	115	1	806	978	AC Transmission Project Segment B	
543	NGRID	Milan	Pleasant Valley	-16.8	W	2023	115	115	1	806	978	AC Transmission Project Segment B	
543	NGRID	Lafarge	Pleasant Valley	-60.4	W	2023	115	115	1	584	708	AC Transmission Project Segment B	
543	NGRID	North Catskill	Milan	-23.9	W	2023	115	115	1	937	1141	AC Transmission Project Segment B	
543	O&R	Shoemaker, Middle	Sugarloaf, Chester	-12.0	W	2023	138	138	1	1098	1312	AC Transmission Project Segment B	
543	NGRID	New Scotland	Alps	-30.6	W	2023	345	765	1	2015	2140	AC Transmission Project Segment B	
543	New York Transco	Schodack	Churchtown	26.7	W	2023	115	115	1	648	798	AC Transmission Project Segment B	
543	New York Transco	Churchtown	Pleasant Valley	32.2	W	2023	115	115	1	623	733	AC Transmission Project Segment B	
543	NGRID	Lafarge	Churchtown	28.2	W	2023	115	115	1	582	708	AC Transmission Project Segment B	
543	NGRID	North Catskill	Churchtown	8.4	W	2023	115	115	1	648	848	AC Transmission Project Segment B	
543	New York Transco	Knickerbocker (New Station)	Pleasant Valley	54.2	W	2023	345	345	1	3862	4103	AC Transmission Project Segment B	
543	New York Transco	Knickerbocker (New Station)	Knickerbocker (New Station)	series capacitor	W	2023	345	345	1	3862	4103	AC Transmission Project Segment B	
543	NGRID	Knickerbocker (New Station)	New Scotland	12.4	W	2023	345	345	1	2381	3099	AC Transmission Project Segment B	

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543	NGRID	Knickerbocker (New Station)	Alps	18.1	W	2023	345	345	1	2552	3134	AC Transmission Project Segment B	
543	New York Transco	Rock Tavern	Sugarloaf	12.0	W	2023	115	115	1	328	402	AC Transmission Project Segment B; 1-1590 ACSR	OH
543	New York Transco	Sugarloaf	Sugarloaf	Transformer	W	2023	138/115	138/115	---	329	329	AC Transmission Project Segment B	
543	New York Transco	Van Wagner (New Station)	---	Cap Bank	W	2023	345	345	---	N/A	N/A	AC Transmission Project Segment B	
543	NGRID	Athens	Pleasant Valley	-39.39	W	2023	345	345	1	2228	2718	Loop Line into new Van Wagner Substation/2-795 ACSR	OH
543	NGRID	Leeds	Pleasant Valley	-39.34	W	2023	345	345	1	2228	2718	Loop Line into new Van Wagner Substation/2-795 ACSR	OH
543	NGRID	Athens	Van Wagner (New Station)	38.65	W	2023	345	345	1	2228	2718	Loop Line into new Van Wagner Substation/2-795 ACSR	OH
543	NGRID	Leeds	Van Wagner (New Station)	38.63	W	2023	345	345	1	2228	2718	Loop Line into new Van Wagner Substation/2-795 ACSR	OH
543	New York Transco/Con Ed	Van Wagner (New Station)	Pleasant Valley	0.75	W	2023	345	345	1	3126	3704	Loop Line into new Van Wagner Substation/Reconductor w/2-795 ACS	OH
543	New York Transco/Con Ed	Van Wagner (New Station)	Pleasant Valley	0.75	W	2023	345	345	1	3126	3704	Loop Line into new Van Wagner Substation/Reconductor w/2-795 ACS	OH
543	New York Transco	Dover (New Station)	Dover (New Station)	Phase Shifter	W	2023	345	345	---	2510	2510	Loop Line 398 into new substation and install 2 x 750 MVar PARs	---
543	ConEd	Cricket Valley	CT State Line	-3.46	W	2023	345	345	1	2220	2700	Loop Line into new Dover Substation/2-795 ACS	OH
543	ConEd	Cricket Valley	Dover (New Station)	0.30	W	2023	345	345	1	2220	2700	Loop Line into new Dover Substation/2-795 ACS	OH
543	ConEd	Dover (New Station)	CT State Line	3.13	W	2023	345	345	1	2220	2700	Loop Line into new Dover Substation/2-795 ACS	OH
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Firm Plans (5) (included in FERC 715 Base Case)

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3	CHGE	North Chelsea	North Chelsea	xfmr	In-Service	2020	115/69	115/69	1	564	728	Replace Transformer 1	-
3	CHGE	Fishkill Plains	East Fishkill	2.05	In-Service	2020	115	115	1	1172	1434	1-1033 ACSR	OH
3	CHGE	North Catskill	North Catskill	xfmr	In-Service	2020	115/69	115/69	2	560	726	Replace Transformer 4	-
	CHGE	North Catskill	North Catskill	xfmr	S	2021	115/69	115/69	1	560	726	Replace Transformer 5	-
14	CHGE	Hurley Avenue	Leeds	Static synchronous series compensator	S	2022	345	345	1	2336	2866	21% Compensation	-
	CHGE	Rock Tavern	Sugarloaf	12.10	W	2022	115	115	1	N/A	N/A	Retire SL Line	OH
	CHGE	Sugarloaf	NY/NJ State Line	10.30	W	2022	115	115	2	N/A	N/A	Retire SD/SJ Lines	OH
11	CHGE	St. Pool	High Falls	5.61	W	2023	115	115	1	1010	1245	1-795 ACSR	OH
11	CHGE	High Falls	Kerhonkson	10.03	W	2023	115	115	1	1010	1245	1-795 ACSR	OH
11	CHGE	Modena	Galeville	4.62	W	2023	115	115	1	1010	1245	1-795 ACSR	OH
11	CHGE	Galeville	Kerhonkson	8.96	W	2023	115	115	1	1010	1245	1-795 ACSR	OH
	CHGE	Hurley Ave	Saugerties	11.40	W	2023	69	115	1	1114	1359	1-795 ACSR	OH
	CHGE	Kerhonkson	Kerhonkson	xfmr	W	2023	115/69	115/69	1	564	728	Add Transformer 3	-
	CHGE	Kerhonkson	Kerhonkson	xfmr	W	2023	115/69	115/69	1	564	728	Add Transformer 4	-
	CHGE	Saugerties	North Catskill	12.46	W	2024	69	115	1	1114	1359	1-795 ACSR	OH
	CHGE	Knapps Corners	Spackenkil	2.36	W	2025	115	115	1	1280	1563	1-1033 ACSR	
	ConEd	Buchanan North	Buchanan North	Reconfiguration	S	2022	345	345		N/A	N/A	Reconfiguration (bus work related to decommissioning of Indian Point 2)	-
	ConEd	Rainey	Rainey	xfmr	S	2022	345	345		N/A	N/A	Replacing xfmr 3W	-
	ConEd	Hudson Ave East	New Vinegar Hill Distribution Switching Station	xfmrs/PARs/Feeders	S	2022	138/27	138/27		N/A	N/A	New Vinegar Hill Distribution Switching Station	UG
	ConEd	Rainey	Corona	xfmr/PAR/Feeder	S	2023	345/138	345/138		N/A	N/A	New second PAR regulated feeder	UG
	ConEd	Gowanus	Greenwood	xfmr/PAR/Feeder	S	2025	345/138	345/138		N/A	N/A	New PAR regulated feeder	UG

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	ConEd	Goethals	Fox Hills	xfmr/PAR/Feeder	S	2025	345/138	345/138		N/A	N/A	New PAR regulated feeder	UG
3	LIPA	Deer Park	Deer Park	-	In-Service	2019	69	69	1	N/A	N/A	Install 27 MVAR Cap Bank	
3	LIPA	MacArthur	MacArthur	-	In-Service	2019	69	69	1	N/A	N/A	Install 27 MVAR Cap Bank	
6/7/3	LIPA	Meadowbrook	East Garden City	-3.11	In-Service	2020	69	69	1	458	601	4/0 CU	OH+UG
6/7/3	LIPA	East Garden City	Lindbergh	2.11	In-Service	2020	69	69	1	575	601	750 kcmil CU	OH+UG
6/7/3	LIPA	Lindbergh	Meadowbrook	2.50	In-Service	2020	69	69	1	458	601	4/0 CU	OH+UG
6/7/3	LIPA	Elmont	Floral Park	-1.59	In-Service	2020	34.5	34.5	1	644	816	477 AL	OH+UG
6/7/3	LIPA	Elmont	Belmont	1.82	In-Service	2020	34.5	34.5	1	342	457	2/0 CU	OH+UG
6/7/3	LIPA	Belmont	Floral Park	2.04	In-Service	2020	34.5	34.5	1	644	816	477 AL	OH+UG
3	LIPA	Valley Stream	East Garden City	7.36	In-Service	2020	138	138	1	1128	1195	New line / 2000 SQMM XLPE	UG
6/7	LIPA	Amagansett	Montauk	-13.00	S	2021	23	23	1	577	657	750 kcmil CU	UG
6/7	LIPA	Amagansett	Navy Road	12.74	S	2021	23	23	1	577	657	750 kcmil CU	UG
6/7	LIPA	Navy Road	Montauk	0.26	S	2021	23	23	1	577	657	750 kcmil CU	UG
9	LIPA	Riverhead	Wildwood	10.63	S	2021	138	138	1	1399	1709	1192ACSR	
13	LIPA	Riverhead	Canal	16.49	S	2021	138	138	1	1000	1110	2368 KCMIL (1200 mm ²) Copper XLPE	
	LIPA	Barrett	Barrett	-	S	2021	34.5	34.5	1	N/A	N/A	Barrett 34.5kV Bus Tie Reconfiguration	-
3	NGRID	Rosa Rd	Rosa Rd	-	In-Service	2020	115	115		N/A	N/A	Install 35.2MVAR Cap Bank at Rosa Rd	-
6/3	NGRID	Rotterdam	Curry Rd	7	In-Service	2020	115	115	1	1105	1347	Replace 7.0 miles of mainly 4/0 Cu conductor with 795kcmil ACSR 26/7	OH
3	NGRID	Elm St	Elm St	xfmr	In-Service	2020	230/23	230/23	1	118MVA	133MVA	Add a fourth 230/23kV transformer	
3	NGRID	West Ashville	West Ashville		In-Service	2020	115	115		N/A	N/A	New Distribution Station at West Ashville	
7/3	NGRID	Spier	Rotterdam (#2)	-32.74	In-Service	2020	115	115	1	1168	1416	New Lasher Rd Switching Station	OH
7/3	NGRID	Spier	Lasher Rd (New Station) (#2)	21.69	In-Service	2020	115	115	1	1168	1416	New Lasher Rd Switching Station	OH

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7/3	NGRID	Lasher Rd (New Station)	Rotterdam	11.05	In-Service	2020	115	115	1	2080	2392	New Lasher Rd Switching Station	OH
7/3	NGRID	Spier	Luther Forest (#302)	-34.21	In-Service	2020	115	115	1	916	1070	New Lasher Rd Switching Station	OH
7/3	NGRID	Spier	Lasher Rd (New Station) (#302)	21.72	In-Service	2020	115	115	1	916	1118	New Lasher Rd Switching Station	OH
3	NGRID	Lasher Rd (New Station)	Luther Forest	12.49	In-Service	2020	115	115	1	990	1070	New Lasher Rd Switching Station	OH
3	NGRID	Rotterdam	Rotterdam	-	In-Service	2020	115	115	2	N/A	N/A	Install Series Reactors at Rotterdam Station on lines 17 & 19	
3	NGRID	Huntley	Lockport	6.9	In-Service	2020	115	115	2	1303	1380	Replace 6.9 miles of 36 and 37 lines	OH
3	NGRID	Two Mile Creek	Two Mile Creek		In-Service	2020	115	115		N/A	N/A	New Distribution Station at Two Mile Creek	
6/3	NGRID	GE	Geres Lock	7.14	In-Service	2020	115	115	1	785	955	Reconductoring 4/0CU & 336 ACSR to 477 ACCR (Line #8)	
3	NGRID	Gardenville 230kV	Gardenville 115kV	xfmr	In-Service	2020	230/115	230/115	-	347 MVA	422 MVA	Replacement of 230/115kV TB#4 stepdown with larger unit	
3	NGRID	Gardenville 115kV	Gardenville 115kV	-	In-Service	2020	-	-	-	-	-	Rebuild of Gardenville 115kV Station to full breaker and a half	
	NGRID	Oswego	Oswego	-	W	2020	115	115		N/A	N/A	Rebuild of Oswego 115kV Station	
6	NGRID	Clay	Dewitt	10.24	S	2021	115	115	1	220MVA	268MVA	Reconductor 4/0 CU to 795ACSR	OH
6	NGRID	Clay	Teall	12.75	S	2021	115	115	1	220 MVA	268MVA	Reconductor 4/0 CU to 795ACSR	OH
	NGRID	Gardenville 230kV	Gardenville 115kV	xfmr	S	2021	230/115	230/115	-	347 MVA	422 MVA	Replacement of 230/115kV TB#3 stepdown with larger unit	
	NGRID	Huntley 115kV	Huntley 115kV	-	S	2021	115	115	-	N/A	N/A	Rebuild of Huntley 115kV Station	
	NGRID	Mortimer	Mortimer	xfmr	S	2021	115	115		50MVA	50MVA	Replace Mortimer 115/69kV Transformer	
	NGRID	Mortimer	Mortimer	-	S	2021	115	115		N/A	N/A	Second 115kV Bus Tie Breaker at Mortimer Station	
	NGRID	Royal Ave	Royal Ave	-	S	2021	115/13.2	115/13.2	-	-	-	Install new 115-13.2 kV distribution substation	-

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												in Niagara Falls (Royal Ave)	
	NGRID	Niagara	Packard	3.4	W	2021	115	115	1	344MVA	449MVA	Replace 3.4 miles of 192 line	OH
	NGRID	Mountain	Lockport	0.08	S	2022	115	115	2	174MVA	199MVA	Mountain-Lockport 103/104 Bypass	OH
	NGRID	South Oswego	Indeck (#6)	-	S	2022	115	115	1	-	-	Install High Speed Clearing on Line #6	
	NGRID	Porter	Porter	-	S	2022	230	230		N/A	N/A	Porter 230kV upgrades	
	NGRID	Watertown	Watertown		S	2022	115	115		N/A	N/A	New Distribution Station at Watertown	
	NGRID	Golah	Golah	xfmr	S	2022	69	69		50MVA	50MVA	Replace Golah 69/34.5kV Transformer	
	NGRID	Niagara	Packard	3.7	S	2022	115	115	1	344MVA	449MVA	Replace 3.7 miles of 191 line	OH
	NGRID	Lockport	Mortimer	56.5	S	2022	115	115	3	-	-	Replace Cables Lockport-Mortimer #111, 113, 114	
6	NGRID	Niagara	Packard	3.7	W	2022	115	115	2	344MVA	449MVA	Replace 3.7 miles of 193 and 194 lines	OH
	NGRID	Gardenville	Big Tree	6.3	W	2022	115	115	1	221MVA	221MVA	Gardenville-Arcade #151 Loop-in-and-out of NYSEG Big Tree	OH
	NGRID	Big Tree	Arcade	28.6	W	2022	115	115	1	129MVA	156MVA	Gardenville-Arcade #151 Loop-in-and-out of NYSEG Big Tree	OH
	NGRID	Seneca	Seneca	xfmr	W	2022	115/22	115/22		40MVA	40MVA	Seneca #5 xfmr asset replacement	
	NGRID	Batavia	Batavia		W	2022	115	115				Batavia replace five OCB's	
	NGRID	Cortland	Clarks Corners	0.2	S	2023	115	115	1	147MVA	170MVA	Replace 0.2 miles of 1(716) line and series equipment	OH
	NGRID	Maplewood	Menands	3	S	2023	115	115	1	220 MVA	239 MVA	Reconductor approx. 3 miles of 115kV Maplewood – Menands #19	
	NGRID	Maplewood	Reynolds	3	S	2023	115	115	1	217 MVA	265 MVA	Reconductor approx. 3 miles of 115kV Maplewood – Reynolds Road #31	
	NGRID	Elm St	Elm St	-	S	2023	230/23	230/23	-	118MVA	133MVA	Replace TR2 as failure	
	NGRID	Ridge	Ridge		S	2023				N/A	N/A	Ridge substation 34.5kV rebuild	

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	NGRID	Wolf Rd	Menands	1.34	W	2023	115	115	1	182 MVA	222 MVA	Reconductor 1.34 miles bet. Wolf Rd- Everett tap (per EHI)	OH
	NGRID	Packard	Huntley	9.1	W	2023	115	115	1	262MVA	275MVA	Walck-Huntley #133, Packard-Huntley #130 Reconductor	OH
	NGRID	Walck	Huntley	9.1	W	2023	115	115	1	262MVA	275MVA	Walck-Huntley #133, Packard-Huntley #130 Reconductor	OH
	NGRID	Kensington Terminal	Kensington Terminal	-	W	2023	115/23	115/23	-	50MVA	50MVA	Replace TR4 and TR5	
	NGRID/NYSEG	Mortimer	Station 56		W	2023	115	115	1	649	788	Mortimer-Pannell #24 Loop in-and-out of NYSEG's Station 56	
	NGRID	Station 56	Pannell		W	2023	115	115	1	649	788	Mortimer-Pannell #24 Loop in-and-out of NYSEG's Station 56	
	NGRID	Dunkirk	Laona	-	S	2024	115	115	2	N/A	N/A	Remove series reactors from New Road Switch Station and install new to Moons Switch Station	
	NGRID	Laona	Moons	-	S	2024	115	115	2	N/A	N/A	Remove series reactors from New Road Switch Station and install new to Moons Switch Station	
	NGRID	Golah	Golah	Reconfiguration	S	2024	115	115		-	-	Add a Golah 115kV bus tie breaker	
	NGRID	Dunkirk	Dunkirk	-	S	2024	115	115		N/A	N/A	Rebuild of Dunkirk 115kV Station	
6	NGRID	Gardenville	Dunkirk	20.5	S	2024	115	115	2	1105	1346	Replace 20.5 miles of 141 and 142 lines	OH
	NGRID	Homer Hill	Homer Hill	-	S	2024	115	115	-	116MVA	141MVA	Homer Hill Replace five OCB	
	NGRID	Golah	Golah		S	2024				N/A	N/A	Golah substation rebuild	
	NGRID	Pannell	Geneva		W	2024	115	115	2	755	940	Critical Road crossings replace on Pannell-Geneva 4/4A	
	NGRID	Oswego	Oswego	-	S	2025	345	345		N/A	N/A	Rebuild of Oswego 345kV Station	
	NGRID	Mortimer	Golah	9.7	S	2025	115	115	1	657	797	Refurbish 9.7 miles Single Circuit Wood H-Frames on Mortimer-Golah 110	

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Expected In-Service Date/Yr Prior to (2) Year		Nominal Voltage in kV Operating/Design		# Of cks	Thermal Ratings (4) Summer/Winter		Project Description / Conductor Size	Class Year / Type of Construction
	NGRID	Huntley	Lockport	1.2	S	2025	115	115	2	747	934	Rebuild 1.2 miles of (2) single circuit taps on Huntley-Lockport 36/37 at Ayer Rd	
	NGRID	Niagara	Gardenville	26.3	S	2026	115	115	1	275MVA	350MVA	Packard-Erie / Niagara-Gardenville Reconfiguration	OH
	NGRID	Packard	Gardenville	28.2	S	2026	115	115	2	168MVA	211 MVA	Packard-Gardenville Reactors, Packard-Erie / Niagara-Gardenville Reconfiguration	OH
	NGRID/NYSEG	Erie St	Gardenville	5.5	S	2026	115	115	1	139MVA	179MVA	Packard-Erie / Niagara-Gardenville Reconfiguration, Gardenville add breakers	OH
	NGRID	Mortimer	Pannell	15.7	S	2026	115	115	2	221MVA	270MVA	Reconductor existing Mortimer – Pannell 24 and 25 lines with 795 ACSR	
	NGRID	Lockport	Batavia	20	S	2026	115	115	1	646	784	Rebuild 20 miles of Lockport-Batavia 112	
	NGRID	Mountain	Lockport		S	2026	115	115	2	847	1000	Reinsulating Mountain-Lockport 103/104	
	NGRID	SE Batavia	Golah	27.8	S	2026	115	115	1	648	846	Refurbish 27.8 miles Single Circuit Wood H-Frames on SE Batavia-Golah 119	
	NGRID	Packard	Packard		S	2026	115	115				Packard replace three OCB's	
	NGRID	Brockport	Brockport	3.5	W	2026	115	115	2	648	650	Refurbish 111/113 3.5 mile single circuit taps to Brockport Station	
	NGRID	Gardenville	Homer Hill	37.5	S	2027	115	115	2	649	788	Refurbish 37.5 miles double circuit Gardenville-Homer Hill 151/152	
	NGRID	Huntley	Gardenville	23.4	W	2027	115	115	2	731	887	Refurbish 23.4 miles double circuit on Huntley-Gardenville 38/39	
	NGRID	Lockport	Lockport		W	2027				N/A	N/A	Rebuild of Lockport Substation and control house	
781/3	NYP&A	Fraser Annex	Fraser Annex	SSR Detection	In-Service	2020	345	345	1	1793 MVA	1793 MVA	MSSC SSR Detection Project	

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Expected In-Service Date/Yr Prior to (2) Year		Nominal Voltage in kV Operating/Design		# Of ckt	Thermal Ratings (4) Summer/Winter		Project Description / Conductor Size	Class Year / Type of Construction
3	NYPA	Niagara 230 kV	Niagara 230 kV	Breaker	In-Service	2020	230	230	1	N/A	N/A	Add a new breaker	
3	NYPA	Niagara 230 kV	Niagara 115 kV	Autotransformer	In-Service	2020	230	115	1	240 MVA	240 MVA	Replace Niagara AT #1	
3	NYPA	Astoria 138 kV	Astoria 13.8 kV	Astoria CC GSU Refurbishment	In-Service	2020	138	18	1	234	234	Astoria CC GSU Refurbishment	
3	NYPA	Niagara	Rochester	-70.20	In-Service	2020	345	345	1	2177	2662	2-795 ACSR	
339/7/3	NYPA	Somerset	Rochester	-44.00	In-Service	2020	345	345	1	2177	2662	2-795 ACSR	
339/7/3	NYPA	Niagara	Station 255 (New Station)	66.40	In-Service	2020	345	345	1	2177	2662	2-795 ACSR	
339/7/3	NYPA	Somerset	Station 255 (New Station)	40.20	In-Service	2020	345	345	1	2177	2662	2-795 ACSR	
339/7/3	NYPA	Station 255 (New Station)	Rochester	3.80	In-Service	2020	345	345	2	2177	2662	2-795 ACSR	
	NYPA	East Garden City	East Garden City	Shunt Reactor	S	2021	345	345	1	N/A	N/A	Swap with the spare unit	
566/6	NYPA	Moses	Adirondack	78	S	2023	230	345	2	1088	1329	Replace 78 miles of both Moses-Adirondack 1&2	
3	NYSEG	Watercure Road	Watercure Road	xfmr	In-Service	2020	345/230	345/230	1	426 MVA	494 MVA	Transformer #2 and Station Reconfiguration	-
	NYSEG	Willet	Willet	xfmr	S	2021	115/34.5	115/34.5	1	39 MVA	44 MVA	Transformer #2	-
	NYSEG	Big Tree Road	Big Tree Road	Rebuild	W	2022	115	115				Station Rebuild	
	NYSEG	Wood Street	Wood Street	xfmr	W	2022	345/115	345/115	1	327 MVA	378 MVA	Transformer #3	-
	NYSEG	Coddington	E. Ithaca (to Coddington)	8.07	S	2024	115	115	1	307 MVA	307 MVA	665 ACCR	OH
	NYSEG	Fraser	Fraser	xfmr	S	2024	345/115	345/115	1	305 MVA	364 MVA	Transformer #2 and Station Reconfiguration	-
	NYSEG	Fraser 115	Fraser 115	Rebuild	S	2024	115	115		N/A	N/A	Station Rebuild to 4 bay BAAH	-
	NYSEG	Delhi	Delhi	Removal	S	2024	115	115		N/A	N/A	Remove 115 substation and terminate existing lines to Fraser 115 (short distance)	
	NYSEG	Erie Street Rebuild	Erie Street Rebuild	Rebuild	S	2026	115	115				Station Rebuild	
	NYSEG	Meyer	Meyer	xfmr	W	2026	115/34.5	115/34.5	2	59.2MVA	66.9MVA	Transformer #2	-
3	O & R	West Nyack	West Nyack	Cap Bank	In-Service	2020	138	138	1	-	-	Capacitor Bank	

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Expected In-Service Date/Yr Prior to (2) Year		Nominal Voltage in kV Operating/Design		# Of ckt	Thermal Ratings (4) Summer/Winter		Project Description / Conductor Size	Class Year / Type of Construction
3	O & R	Harings Corner (RECO)	Closter (RECO)	3.20	In-Service	2020	69	69	1	1098	1312	UG Cable	
3	O & R	Ramapo	Ramapo	xmfr	In-Service	2020	345/138	345/138	1	731	731	New transformer replacement Bank 1300	
7	O & R/ConEd	Ladentown	Buchanan	-9.5	S	2023	345	345	1	3000	3211	2-2493 ACAR	
7	O & R/ConEd	Ladentown	Lovett 345 kV Station (New Station)	5.5	S	2023	345	345	1	3000	3211	2-2493 ACAR	
7	O & R/ConEd	Lovett 345 kV Station (New Station)	Buchanan	4	S	2023	345	345	1	3000	3211	2-2493 ACAR	
	O & R	Lovett 345 kV Station (New Station)	Lovett	xmfr	S	2023	345/138	345/138	1	562 MVA	562 MVA	Transformer	
3	RGE	Station 23	Station 23	xmfr	In-Service	2019	115/34.5	115/34.5	2	75 MVA	84 MVA	Transformer	-
3	RGE	Station 122-Pannell-PC1	Station 122-Pannell-PC1 and PC2		In-Service	2020	345	345	1	1314 MVA-LTE	1314 MVA-LTE	Relay Replacement	
3	RGE	Station 255 (New Station)	Rochester	3.80	In-Service	2020	345	345	1	2177	2662	2-795 ACSR	OH
3	RGE	Station 255 (New Station)	Station 255 (New Station)	xmfr	In-Service	2020	345/115	345/115	1	400 MVA	450 MVA	Transformer	-
3	RGE	Station 255 (New Station)	Station 255 (New Station)	xmfr	In-Service	2020	345/115	345/115	2	400 MVA	450 MVA	Transformer	-
3	RGE	Station 255 (New Station)	Station 418	10.49	In-Service	2020	115	115	1	300 MVA	300 MVA	New 115kV Line	OH
3	RGE	Station 255 (New Station)	Station 23	11.96	In-Service	2020	115	115	1	300 MVA	300 MVA	New 115kV Line	OH+UG
	RGE	Station 262	Station 23	1.46	S	2021	115	115	1	2008	2008	Underground Cable	
	RGE	Station 33	Station 262	2.97	S	2021	115	115	1	2008	2008	Underground Cable	
	RGE	Station 262	Station 262	xmfr	S	2021	115/34.5	115/34.5	1	58.8MVA	58.8MVA	Transformer	-
7	RGE	Station 168	Mortimer (NG Trunk #2)	26.4	W	2023	115	115	1	145 MVA	176 MVA	Station 168 Reinforcement Project	OH
7	RGE	Station 168	Elbridge (NG Trunk # 6)	45.5	W	2023	115	115	1	145 MVA	176 MVA	Station 168 Reinforcement Project	OH
	RGE	Station 127	Station 127	xmfr	W	2024	115/34.5	115/34.5	1	75MVA	75MVA	Transformer #2	-
	RGE	Station 418	Station 48	7.6	S	2026	115	115	1	175 MVA	225 MVA	New 115kV Line	OH

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					S	Yr	kV	kV		Summer	Winter		
	RGE	Station 33	Station 251 (Upgrade Line #942)		S	2026	115	115	1	400MVA	400MVA	Line Upgrade	
	RGE	Station 33	Station 251 (Upgrade Line #943)		S	2026	115	115	1	400MVA	400MVA	Line Upgrade	
	RGE	Station 82	Station 251 (Upgrade Line #902)		S	2028	115	115	1	400MVA	400MVA	Line Upgrade	
	RGE	Mortimer	Station 251 (Upgrade Line #901)	1.00	S	2028	115	115	1	400MVA	400MVA	Line Upgrade	

Number	Note
1	Line Length Miles: Negative values indicate removal of Existing Circuit being tapped
2	S = Summer Peak Period W = Winter Peak Period
3	Equipment (Transformers & Capacitor Banks) is retained on this list for one year after it goes in In-Service, and then it is deleted. A Transmission Line is reflected in Table VI when it goes In-Service
4	Thermal Ratings in Amperes, except where labeled otherwise
5	Firm projects are those which have been reported by TOs as being sufficiently firm, and either (i) have an Operating Committee approved System Impact Study (if applicable) and, for projects subject to Article VII, have a determination from New York Public Service Commission that the Article VII application is in compliance with Public Service Law § 122, or (ii) is under construction and is scheduled to be in-service prior to June 1 of the current year.
6	Reconductoring of Existing Line
7	Segmentation of Existing Circuit
8	Deleted
9	Upgrade of existing 69 kV to 138 kV operation
10	Deleted
11	Upgrade of existing 69 kV to 115 kV operation
12	Deleted
13	Contingent on future generation resources
14	This transmission upgrade was identified as a System Deliverability Upgrade (SDU) in the Class Year 2011 Study process required to make certain interconnection projects fully deliverable in the Rest of State Capacity Region. Upon the completion of Class Year 2011, the security posted for the SDU constituted greater than 60% of the total estimated costs for the SDUs and thereby “triggered” the SDU for construction.
15	The Class Year Transmission Project, Queue #458 or 631 includes, as an elective System Upgrade Facility, an Astoria-Rainey 345kV cable. Modifying Q631 from a three-terminal HVdc project to a two-terminal HVdc project has determined to be non-material; however, Q458 and Q631 may not enter the same Class Year Study. Q887 CH Uprate is a 250 MW uprate of Q458 or Q631 project.
16	Deleted
17	Deleted
18	This project has a System Reliability Impact Study that has been approved by the NYISO Operating Committee, and therefore is a potential candidate to enter the next Open Class Year study
19	These transmission projects are included in the FERC 715 Report models. Please see FERC 715 report for an explanation of the inclusion criteria.
20	Deleted