

Major Transmission Facilities Included In and Excluded From the Transmission Revenue Requirement

A. TRANSMISSION FACILITIES INCLUDED IN THE TRANSMISSION REVENUE REQUIREMENT RATE BASE

NIAGARA/ST. LAWRENCE FACILITIES

- Niagara-Ontario Hydro ties
- Niagara substation
- Transmission lines from the Niagara substation to Edic substation
- St. Lawrence/FDR-Ontario lines
- St. Lawrence/FDR-substation
- St. Lawrence/FDR-Willis lines
- St. Lawrence/Reynolds lines
- Reynolds substation
- St. Lawrence/GM lines
- Willis substation
- Willis-Plattsburgh lines
- Plattsburgh to Vermont state border tie
- Plattsburgh substation
- Plattsburgh to Saranac line
- Saranac substation
- St. Lawrence/FDR-Adirondack lines
- Adirondack substation
- Marcy-Edic lines
- St. Lawrence-Massena lines

MASSENA-MARCY 765kV PROJECT

- Massena substation
- Massena-Chateaugay line
- Massena-Marcy line
- Marcy substation

MARCY SOUTH PROJECT

- Marcy-Coopers Corner line
- Edic-Fraser line
- Coopers Corner-Rock Tavern lines
- Roseton-East Fishkill line

BLENHEIM-GILBOA PROJECT

- BG substation
- BG-Leeds line
- BG-New Scotland line
- BG-Fraser line

FITZPATRICK LINES

- FitzPatrick substation
- FitzPatrick-Edic line
- FitzPatrick-Scriba line

LONG ISLAND SOUND CABLE

- Sprain Brook to East Garden City lines

POLETTI

- Poletti-East 13th Street substation circuits
- Poletti-substation

INDIVIDUAL NYPA TRANSMISSION FACILITIES INCLUDED (See Enclosed Location Map)

Map

Key

Description

1. Two parallel 71-mile, 230kV transmission circuits connecting the St. Lawrence/FDR switchyard to the Authority's substation at Plattsburgh, along with an Authority substation near the midpoint of that circuit at Willis that interconnects with New York State Electric & Gas Corporation (NYSEG).
2. Two parallel 86-mile, 230kV single-circuit lines between the St. Lawrence/FDR switchyard and an Authority substation at Adirondack. The first 8 miles is on double circuit towers.
3. Two single-circuit 115kV transmission circuits connecting the Plattsburgh substation with the State of Vermont (9 miles) and NYSEG at Saranac (8 miles).
4. Three parallel 115kV circuits, each about 4 miles long, connecting the St. Lawrence/FDR switchyard with Reynolds Metals Company in Massena and one mile double circuit 115kV tap line to General Motors.
5. Two parallel 8-mile 230kV circuits on double circuit towers connecting the St. Lawrence/FDR switchyard with the Authority's substation at Massena.
6. Two parallel 230kV circuits, each 2 miles long, interconnecting the St. Lawrence/FDR switchyard with Ontario Hydro at the International Boundary.

7. **Two parallel single-circuit 345kV transmission lines extending almost 200 miles from the Niagara switchyard to Niagara Mohawk Power Corporation's (NMPC) Edic substation. These circuits also interconnect with Rochester Gas and Electric Corporation's (RG&E) Station 80 and Pannell Road substation and NMPC's Clay substation. In addition, NYSEG's Somerset generating station is tapped into one of these circuits in the vicinity of Dysinger.**
8. **One 4-mile single-circuit 230kV line connecting the Niagara switchyard with Ontario Hydro at the International Boundary.**
9. **One 68-mile, single-circuit 345kV line connecting the James A. FitzPatrick Nuclear Power Plant (JAF) with NMPC's Edic Substation.**
10. **Two 1.5-mile, single-circuit 345kV circuit lines connecting the Authority's Marcy substation with NMPC's Edic substation.**
11. **Three single-circuit 345kV lines of 34 miles, 37 miles and 32 miles in length, connecting the Blenheim-Gilboa Pumped Storage Plant (B-G) with substations at Fraser (NYSEG), Leeds (NMPC) and New Scotland (NMPC), respectively.**
12. **One 21-mile, 765kV circuit between the Authority's Massena substation and Hydro-Québec at the International Boundary.**
13. **One 134-mile, 765kV circuit between the Authority's Massena and Marcy substations.**
14. **Two 7-mile, 345kV underground oil-filled cable transmission circuits between the Authority's Poletti Generating station and Con Edison's East 13th Street substation.**
15. **Two parallel 345kV transmission circuits, each less than one mile long, connecting the Niagara switchyard with Ontario Hydro.**
17. **A one-mile, 345kV transmission circuit between JAF and NMPC's Scriba substation.**
18. **A predominantly double-circuit, 190-mile (right-of-way miles), 345kV transmission line between the Town of Marcy, near Utica, and the Town of East Fishkill in Dutchess County known as the Marcy-South Project. This project consists of the following circuits (312 total circuit miles): the 76-mile Edic-Fraser line and the 135-mile Marcy Coopers Corner (NYSEG) lines which are on double circuit towers, the 46-mile double circuit from Coopers Corners to Rock Tavern (CH) and one 8.3-mile Roseton (CH) to East Fishkill (Con Ed) line which includes a submarine crossing of the Hudson River.**
19. **A single-circuit 27-mile, 345kV underground, underwater transmission circuit between Yonkers, Westchester County and Hempstead, Nassau County known as the Long Island Sound Cable.**

Note: NYPA also has capacity available, as per the Marcy-South agreement, in Central Hudson's 17-mile line between Rock Tavern (CH) and Roseton (CH) and in Central Hudson's 59-mile line between Roseton (CH) and Leeds (NMPC).

B. FACILITIES EXCLUDED FROM TRANSMISSION REVENUE REQUIREMENT RATE BASE

- Generator step-up transformers since these are considered by FERC to be related to production.
- Generator leads for the 500 MW Astoria generating plant, Flynn Power Project, small hydro projects and the small clean power plants in New York City and Long Island. These units either provide service to certain customer groups under contract or are sold into the NYISO capacity and energy markets.
- Flexible AC Transmission Systems (FACTS) – also referred to as a Convertible Static Compensator (CSC), is excluded from the revenue requirement computation since the Authority chose to receive transmission congestion contracts in lieu of cost recovery through the revenue requirement.
- The Authority financed the construction of the Tri-Lakes Project, a transmission system upgrade involving National Grid and two of the Authority’s municipal customers in northern New York. National Grid reimbursed the Authority for expenses related to this project and the assets were transferred to National Grid in 2011.