



NYPA Transmission Plan Update

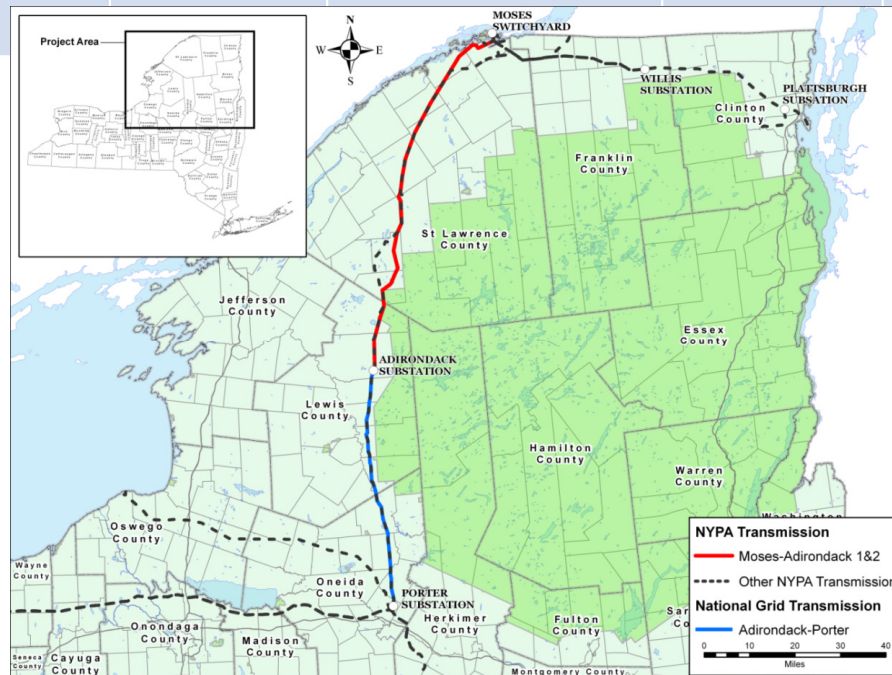
March 16, 2020 ESPWG

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NYPA Transmission Plan

| Project | Description | In Service Date | NYISO Process Status | Article VII Status | Construction Status | Firm or Non-Firm |
|---|---|-----------------|--|--------------------|---------------------|------------------|
| Moses-Adirondack Smart Path Reliability Project * | Replace 78 miles of both Moses-Adirondack 1&2, built to 345 kV but operated at 230 kV | June, 2023 | Q#566, SIS 4/5/2018 TPAS and 4/12/2018 OC Approved | Completed | Started | Firm |

Note * The project was previously named: Moses-Adirondack (MA) 1&2 Rebuild Project



NYPA Transmission Plan - Continued

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|---|--|--|--|--------------------|---------------------|------------------|
| Adding a new circuit breaker at Niagara 230 KV Substation | To eliminate the stuck-breaker-fault of losing Niagara 230/115 KV Transformers T1 & T2 | May 29th, W 2020 | N/A | N/A | Started | Firm |
| MSSC SSR Detection Project | Install SSR detection relays and a control logic scheme at NYPA Fraser Annex 345 kV substation to be integrated into the existing MSSC SPS | December, 2019 S 2020 | Q#781, SIS completed, approved by OC 5/16/2019 | N/A | Started | Firm |
| Moses-Adirondack Advanced Power Flow Control Project | Install SmartWires' SmartValve (modular Static Synchronous Series Compensator (SSSC)) on NYPA's Moses-Adirondack 230 kV lines (MA1&2) | December, 2020 S 2021 | Q#760, SIS in progress | N/A | Not started yet | Non-Firm |

NYPA Transmission Plan - Continued

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|---|---------------------|-----------------|----------------------|--------------------|---------------------|------------------|
| Replacement of Niagara 230/115 kV Auto transformer #1 | Replacement in kind | S 2020 | N/A | N/A | Started | Firm |
| Astoria Combined Cycle Plant GSU Refurbishment | Refurbishment | W 2020 | N/A | N/A | Started | Firm |
| Replacement of St. Lawrence 230kV/115 kV Autotransformer #2 | Replacement in kind | S 2021 | N/A | N/A | Not started yet | Non- Firm |
| Replacement of Plattsburgh 230kV/115 kV Autotransformer #1 | Replacement in kind | W 2021 | N/A | N/A | Not started yet | Non- Firm |
| Replacement of Astoria Annex 345 kV 150 MVAR Shunt Reactors | Replacement in kind | W 2021 | N/A | N/A | Not started yet | Non- Firm |

- **NYPA Transmission Plan, and**
- **Design Criteria for Developer Connection to the NYPA Transmission System**

Located at:

<https://www.nypa.gov/power/transmission/technical-information>

Questions?

Thank you!