

New York Transmission Owners

Submission of New York Transmission Owners For Authority to Construct and Operate Electric Transmission Facilities in Multiple Counties in New York

Case 13-M-_____

Part A Filing

Marcy South Series Compensation

Content of Application

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CONTENT OF APPLICATION

- a) a description of the proposed facility;

NYPA's proposed facility for the MSSC project consists of the following equipment:

- 1) (1) 915 MVAR SC bank adjacent to the Marcy Substation
- 2) (1) 315 MVAR SC bank adjacent to the Fraser Substation
- 3) Associated equipment for each SC bank:
 - a. Circuit breakers
 - b. Current transformers
 - c. Insulators
 - d. Lightning arrestors
 - e. Capacitors
 - f. Relay and Protection equipment
 - g. Upgrades to control building and new control building
 - h. Ancillary equipment
 - i. New transmission pole to connect SC bank to existing conductor

- b) a description of the location of the proposed site or right-of-way

The proposed location of the 915 MVAR SC bank adjacent to the Marcy Substation is an approximately 300 foot by 400 foot area south of the existing training yard. This area is NYPA-owned property adjacent to the training yard and the existing UE1-7 line Right-of-Way ("ROW"). No new ROW is required for this installation.

The proposed location of the 315 MVAR SC bank adjacent to the Fraser Substation is an approximately 200 foot by 300 foot area northwest of that substation. The area is NYSEG-owned property adjacent to the EF24-40 line ROW. No new ROW is required for this installation.

- c) a statement explaining the need for the proposed facility

The MSSC will improve the power flow from upstate generation to downstate load in a cost-effective manner by increasing the use of existing AC transmission assets. The series compensation increases power flow from Zone E into Zones F and G. The MSSC component, together with the other Project components, will provide significantly improved transfer capabilities across UPNY/SENY and Total East interfaces.

The MSSC will also provide a partial solution for system reliability should the Indian Point Energy Center (“IPEC”) retire. The MSSC component is a “no regrets” solution to the retirement of the IPEC, i.e., MSSC makes sense from a public policy point of view even if the IPEC were to continue to operate.

Project impacts on the UPNY/SENY and Total East interfaces will be reported in the Part B filing.
