



Maxwell D Jeane  
Manager –Programs/Projects

February 11, 2022

Jeffrey Schieber  
Code Enforcement Officer  
Town of West Seneca  
1250 Union Road  
Room 210  
West Seneca, NY 14224

Subject: Site Plan Submission Package  
New Gardenville Substation  
Indian Church Road  
Town of West Seneca, NY

Dear Mr. Schieber,

On behalf of New York State Electric & Gas Corporation (NYSEG), we are submitting the enclosed site plan package for your review. We have included the following documents:

1. Site Plans (22 full sized sets and 1 set 11"x17")
2. SWPPP
3. Site Plan Application
4. Short Form EAF

Along with this submission we have a brief narrative to explain the intent of this development and why there is a need for it.

The purpose of this project is to increase electrical system reliability through upgrades to NYSEG's New Gardenville substation. This project will affect the 230kV, 115kV, and 34.5kV portions of the site. The existing antiquated control house will be replaced and all existing control systems will be upgraded with new electronic relays and interfaces with the electrical network. All new protection and control infrastructure will consist of A and B systems to increase safety and reliability.

At 230kV, the existing three (3) circuit breakers and associated 230kV yard equipment will be replaced with a new 230kV ring bus design containing three (3) breakers. With a position for a future connection. The two existing 230/115/34.5kV transformers will be replaced with three different units, one being a new larger 230/115/34.5kV unit.

At 115kV, seven (7) 115kV circuit breakers will be replaced as well as the existing bus configuration. The 115kV system will be converted to a “Breaker and a Half” configuration and transitioned to an interior switchgear design. This will reduce the footprint of the 115kV system and increase reliability to the areas electrical grid. This project will add two new 115/34.5kV transformers.

At 34.5kV, a new 34.5kV switchgear house will be installed and the existing load separated into a three bus design. The new switchgear house will contain three switchgear buses to feed the five (5) existing feeders, but also allow for circuit expansion in the future. With each bus being fed from a separate transformer, the reliability will be increased. It is anticipated that only minimal t-line reconfiguration will be required for this project with most of the construction activities being limited to the existing substation pad.

If you have any questions or need any additional information, please reach out to Seth Shafer at [sshafer@fisherassoc.com](mailto:sshafer@fisherassoc.com) or 412-495-5453.

Sincerely,

A handwritten signature in cursive script that reads "Maxwell D. Jeane, J.".

Maxwell D Jeane  
Manager – Programs/Projects  
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