

Central East Energy Connect

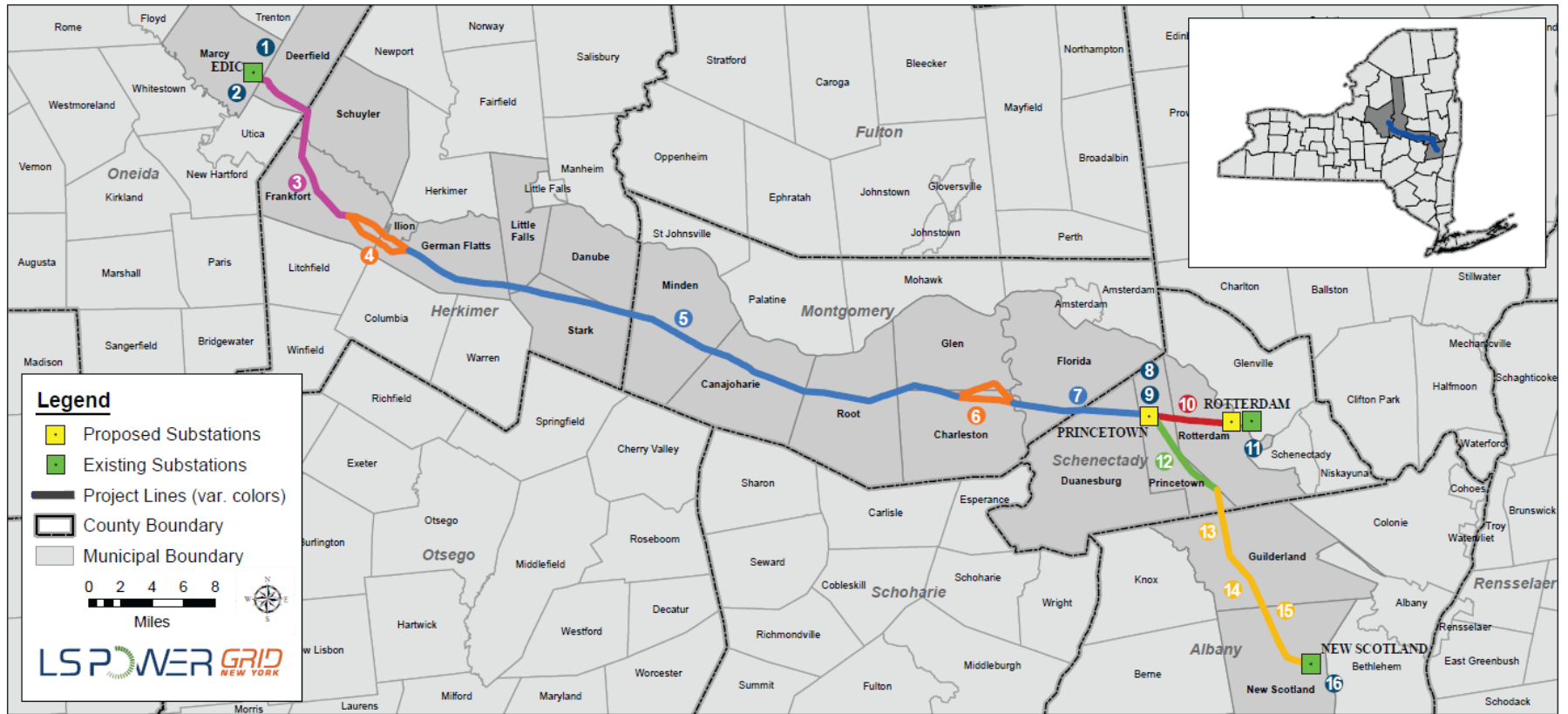
Transmission Improvements between Marcy and New Scotland

NYISO Public Policy Project Stakeholder Update

July 23, 2021



Project Overview



- 1 Marcy substation upgrades (by NYPA)
- 2 Edic substation upgrades (by others)
- 3 345kV reconductoring on existing structures (12 miles)
- 4 Two new single circuit 345kV monopoles. Remove two 230kV H-frames (5 miles)
- 5 New double circuit 345kV monopoles. Remove two 230kV H-frames (37 miles)
- 6 Two new single circuit 345kV monopoles. Remove two 230kV H-frames (4 miles)
- 7 New double circuit 345kV monopoles. Remove two 230kV H-frames (9 miles)
- 8 Existing 345kV Edic-New Scotland line to connect outside Princetown to one of the new 345kV lines from Rotterdam
- 9 New Princetown 345kV switchyard 6 position breaker and a half GIS
- 10 Two new single circuit 345kV monopoles. Remove two 230kV H-frames (5 miles)
- 11 New Rotterdam 345kV GIS 5 position breaker and a half, 345/230kV transformer, and two 345/115kV transformers. Retire existing Rotterdam 230kV substation
- 12 New double circuit 345kV monopoles. Rebuild existing 345kV circuit on monopoles (6 miles)
- 13 New double circuit 345kV monopoles (4 miles)
- 14 New double circuit 345kV monopoles. Remove single circuit 115kV (2 miles)
- 15 New double circuit 345kV monopoles (6 miles)
- 16 New Scotland substation upgrades (by others)

Project Updates

- Gordon Road (formerly Rotterdam 345kV) Interim Configuration
 - SRIS identified certain overloaded facilities at National Grid's Rotterdam 115kV substation that could not be completed in time to support the project schedule
 - To enable timely energization of the Gordon Road substation, it will initially be configured with two 345/230kV transformers feeding the Rotterdam 230kV substation using the originally proposed transformer for the Eastover 230kV line and what would have been a spare transformer
 - Once National Grid's Rotterdam 115kV upgrades are complete, the Gordon Road substation can be converted to the originally proposed configuration: one 345/230kV transformer feeding the 230kV line to Eastover with spare on-site and two 345/115kV transformers feeding the Rotterdam 115kV substation
- Operations
 - NYPA and LS Power Grid New York will each operate their respective portions of the Central East Energy Connect



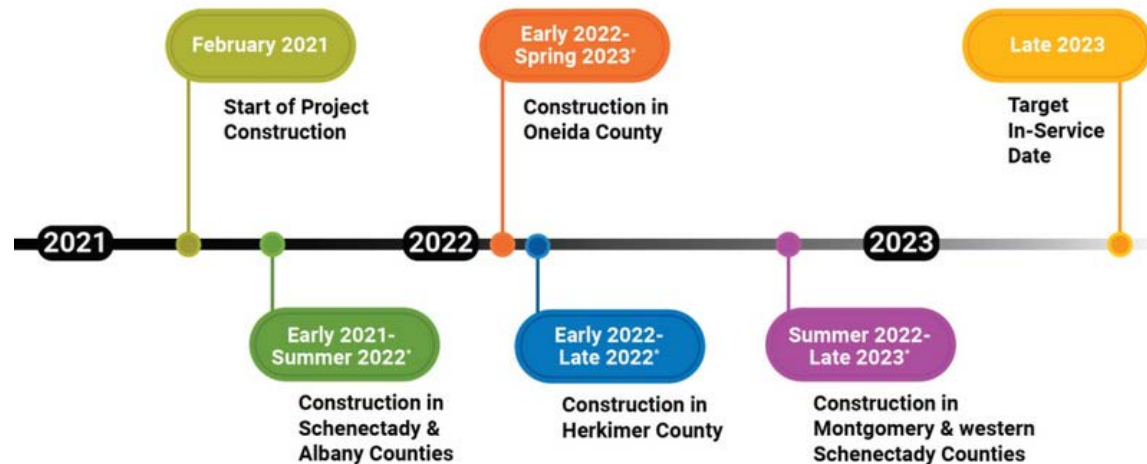
Permitting Milestones



- January 2021
 - Article VII Certificate Issued
 - Segment I EM&CP Approved (Princetown-Gordon Road transmission lines and Gordon Road substation)
 - February 2021
 - Segment II EM&CP Approved (Princetown-New Scotland transmission lines and Princetown substation)
 - Start of Construction
 - 3rd Quarter 2021
 - Anticipated Submission of Segment III EM&CP (western portion of Edic-Princetown transmission lines and certain interconnection scopes)
 - 4th Quarter 2021
 - Anticipated Submission of Segment IV EM&CP (eastern portion of Edic-Princetown transmission lines and certain interconnection scopes)
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Construction Schedule

- February 2021
 - Start of Construction
- May 2021
 - Energization at 230kV of first transmission line segment – 5 miles between Princetown and Rotterdam for new portion of future #14 Edic-Gordon Road 345kV line
- November 2021
 - Planned energization at 230kV of future 371 Princetown-Gordon Road 345kV line
 - Planned energization of new portion of future #55 Princetown-New Scotland 345kV line
- Spring 2022
 - Planned energization of Gordon Road substation, including associated line terminations
- Spring 2023
 - Planned energization of Princetown substation, including associated line terminations
 - Planned energization of 361/362 Princetown-New Scotland 345kV double circuit lines
- Fall 2023
 - Planned energization of 351/352 Edic-Princetown 345kV double circuit lines
- December 2023
 - Development Agreement In-Service Date



Questions

