

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

Case 13-M-0457

Exhibit E-1

Description of Proposed Transmission Facilities

*Leeds to Pleasant Valley 345 kV
Transmission Line Reconductoring Project
(LD-PV(R))*

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**LEEDS TO PLEASANT VALLEY 345 KV TRANSMISSION LINE
RECONDUCTORING PROJECT
(LD-PV(R))**

EXHIBIT E-1: DESCRIPTION OF PROPOSED TRANSMISSION FACILITIES

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EXHIBIT E-1: DESCRIPTION OF PROPOSED TRANSMISSION FACILITIES

E-1.1 Description of Proposed Transmission Facilities

E-1.1.1 Leeds to Pleasant Valley

The Leeds to Pleasant Valley 345 kV Transmission Line Reconductoring Project (LD-PV(R)) is comprised of one right-of-way (ROW) segment, Leeds to Pleasant Valley (LD-PV). The scope of work consists of the reconductoring of the two existing 345 kV lattice structure lines and replacement of certain structures for approximately 39.8 miles within an existing ROW. This segment includes an existing aerial crossing of the Hudson River and terminates at the Pleasant Valley Substation. This segment also includes reconductoring of the two existing 345 kV lines within the 0.5 mile section from the Athens Junction to the Athens Substation. The LD-PV segment passes through the Town of Athens and the Village of Athens in Greene County, the Towns of Greenport, Livingston and Clermont in Columbia County, and the Towns of Milan, Clinton, Hyde Park and Pleasant Valley in Dutchess County.

E-1.2 Design Voltage, Conductor, and Insulators

Table E-1-1 below summarizes the design voltages, operating voltages, and conductor types for each segment.

Table E-1-1: Design Voltage and Conductor

Project / Line	Design Voltage (kV)	Operating Voltage (kV)	Proposed Conductor
Leeds-Pleasant Valley Reconductoring			
#91 Athens-Pleasant Valley	345	345	2 - 795 kcmil 26/7 "Drake" ACSS
#92 Leeds-Pleasant Valley	345	345	2 - 795 kcmil 26/7 "Drake" ACSS
#95 Athens-Leeds	345	345	2 - 795 kcmil 26/7 "Drake" ACSS

Insulators for all the new transmission lines will typically be suspension-type ball-and-socket ceramic insulators in "I" or "V" configuration. Insulator color will match the finish of the new structures to the greatest extent possible. Grey insulators will be used with galvanized steel structures and brown insulators will be used with weathered steel or wood structures.

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