

Elklick Double Circuit 230kV Tap Line Project

Fairfax County

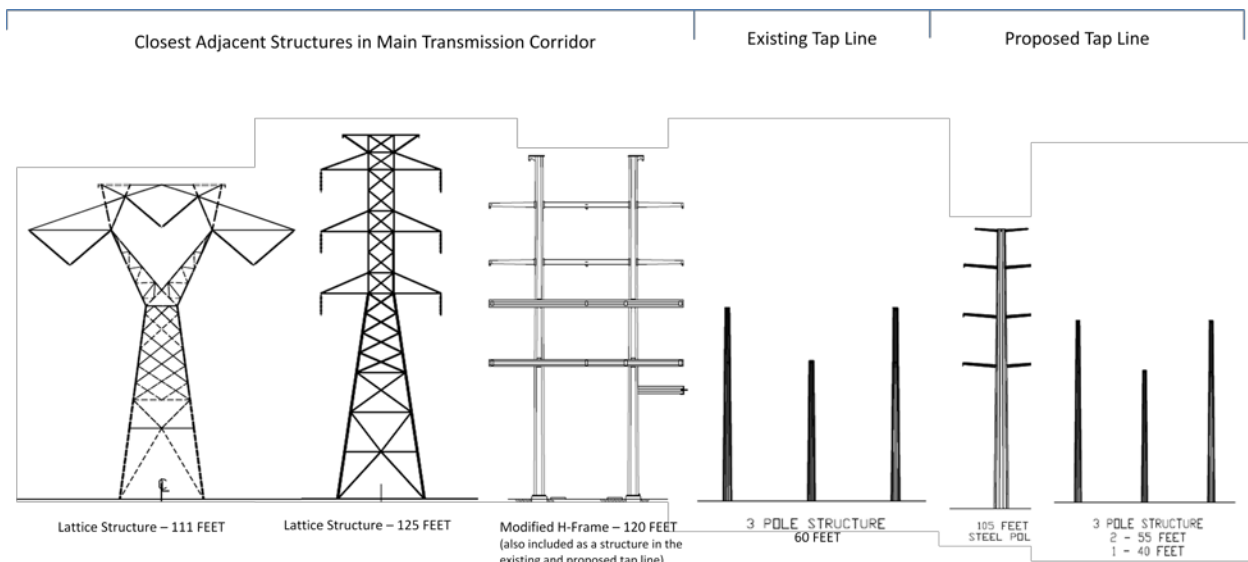
Project Overview:

NOVEC's Pleasant Valley Substation in Fairfax County is currently fed from one of Dominion Virginia Power's (Dominion) 230 kilovolt (kV) transmission lines between its Loudoun and Bull Run Substations via a single circuit tap line. This short, NOVEC-owned tap line (less than a tenth of a mile) includes two structures and stems from a transmission corridor that contains an existing 500kV line, two existing 230kV lines and an existing 115kV line. NOVEC is expanding its substation due to an increase in demand and has asked for an increase in transmission capacity delivered by Dominion.

Project Scope:

NOVEC's request coupled with the anticipated increase in energy demand requires Dominion to build a new Switching Station, which will be named Elklick, and rebuild the feed as a Dominion-owned double circuit 230kV tap line. The existing 230kV tap line will be dismantled. The project includes removing one of the single circuit structures and building four new structures (one of the existing tap line structures will continue to be used). The associated switching station will be built adjacent to NOVEC's expanded substation to add operation protection and flexibility. None of the proposed structures will be taller than the other existing structures within the main transmission right of way corridor.

	Existing	Proposed
Number of Structures	2	5
Structure Heights	Between 60' & 120'	Between 40' & 105' (with the existing 120' structure remaining)
Structure Design	Modified H-Frame, 3-pole structure	Modified H-Frame, Double circuit monopole, and 3 3-single pole structures
Right of Way Width	Varies	Varies



*Proposed structures and heights are conceptual and subject to change. Rendering is for illustrative proposes only and not drawn to scale.

Schedule:

Submit Virginia State Corporation Commission Application: Q2 2016
 Anticipated Construction Start: Q1 2017 (pending necessary approvals)
 Anticipated Project Completion: End of 2017

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