

RAPPAHANNOCK RIVER CROSSING (FORMERLY NORRIS BRIDGE) 115 kV TRANSMISSION LINE REBUILD PROJECT

Rappahannock Transition Station

Dominion Energy is planning to rebuild its transmission line that crosses the Rappahannock River adjacent to the Norris Bridge between Lancaster and Middlesex Counties

We currently operate an overhead 115 kilovolt (kV) transmission line that crosses the Rappahannock River via a combination of structures in the river and attachments to the Norris Bridge. The river crossing is part of a single 115 kV transmission line that runs for about 38 miles between our Northern Neck Substation in Richmond County and our Harmony Village Substation in Middlesex County. The portion of the transmission line that crosses the river has been in operation since 1962 and needs to be replaced based on operational and end-of-life concerns. An immediate need for this project was identified in 2014. On Dec. 21, 2017, the Virginia State Corporation Commission (SCC) issued its final order approving the project. The SCC found that there is a need for the project and the rebuild will replace the existing transmission line with an underwater transmission line. This project will help maintain reliable electric service to approximately 19,000 customers on the Northern Neck peninsula.

What is the Rappahannock Transition Station?

The underground line project includes one transition station in each Middlesex and Lancaster counties, which, among other things, transitions the overhead transmission line underground. From these points, horizontal directional drilling will primarily be used to install the new transmission line under the Rappahannock riverbed. The Rappahannock Transition Station is being proposed on property we recently acquired adjacent to Highbank Road.

Site specifics:

- Parcel size: 3.31 acres
- Fenced area: 1.6 acres
- Landscaping along all sides of the station
- Station driveway off Highbank Road (minimal crew traffic once in operation)
- Tallest structure within station: 75 feet tall



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What are the needs and benefits of the project?

- Replace aging infrastructure that has been in place and repaired since 1962 and has reached its end-of-life
- Gain increased reliability and operational efficiencies. By upgrading the line to meet current standards and relocating the line off the bridge, we will reduce vulnerabilities of an aging line lessening the risk of outages
- Maintain safety for Dominion Energy and VDOT crews and lessen potential hazards to the public and watermen

Preliminary Schedule Overview

Our goal is to complete this project as safely, courteously and swiftly as appropriate to minimize any community disruption through construction and to address the operational concerns promptly. We are in the process of refining our engineering designs and soliciting third-party bids for procurement and construction. Subject to further permitting activities and the identified time-of-year restrictions, we estimate that construction would take place over a period of approximately 15 consecutive months (under optimal conditions). Our plan is to install the underground river crossing and the two transition stations simultaneously (subject to and in accordance with permit conditions).

The below timeline assumes all additional permitting activities are complete no later than September 2018. Any delays in obtaining permits would likely postpone the project completion by at least one year.

Spring 2015	Public announcement via community letters and website
Dec. 21, 2017	Received Virginia State Corporation Commission final order
Spring/Summer 2018	Preconstruction activities commence: right of way surveying; soil testing; final engineering design; purchase land for transition station in Lancaster County; begin additional permitting requirements; additional cultural site survey and archaeological analysis
Fall 2018	Begin preliminary construction work; site work
Feb. 15 – June 30 (each year)	Time-of-year restrictions which impact various construction activities in the river
Feb. – Aug. 2020	Energize the new transmission line and transition stations

We expect to have a more detailed construction timeline once a contractor is selected for the project, which is likely to occur by early fall 2018.

For more information, please visit our project website at www.DominionEnergy.com/rappahannockcrossing.
Or contact us by sending an email to powerline@domionenergy.com or calling 888-291-0190.

