

# **Chesterfield–Tyler**

*230 kV Transmission Line Rebuild  
Project*

**December 2019**

# Outline

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- Project Need
- Scope of Project
- Community Engagement
- Timeline

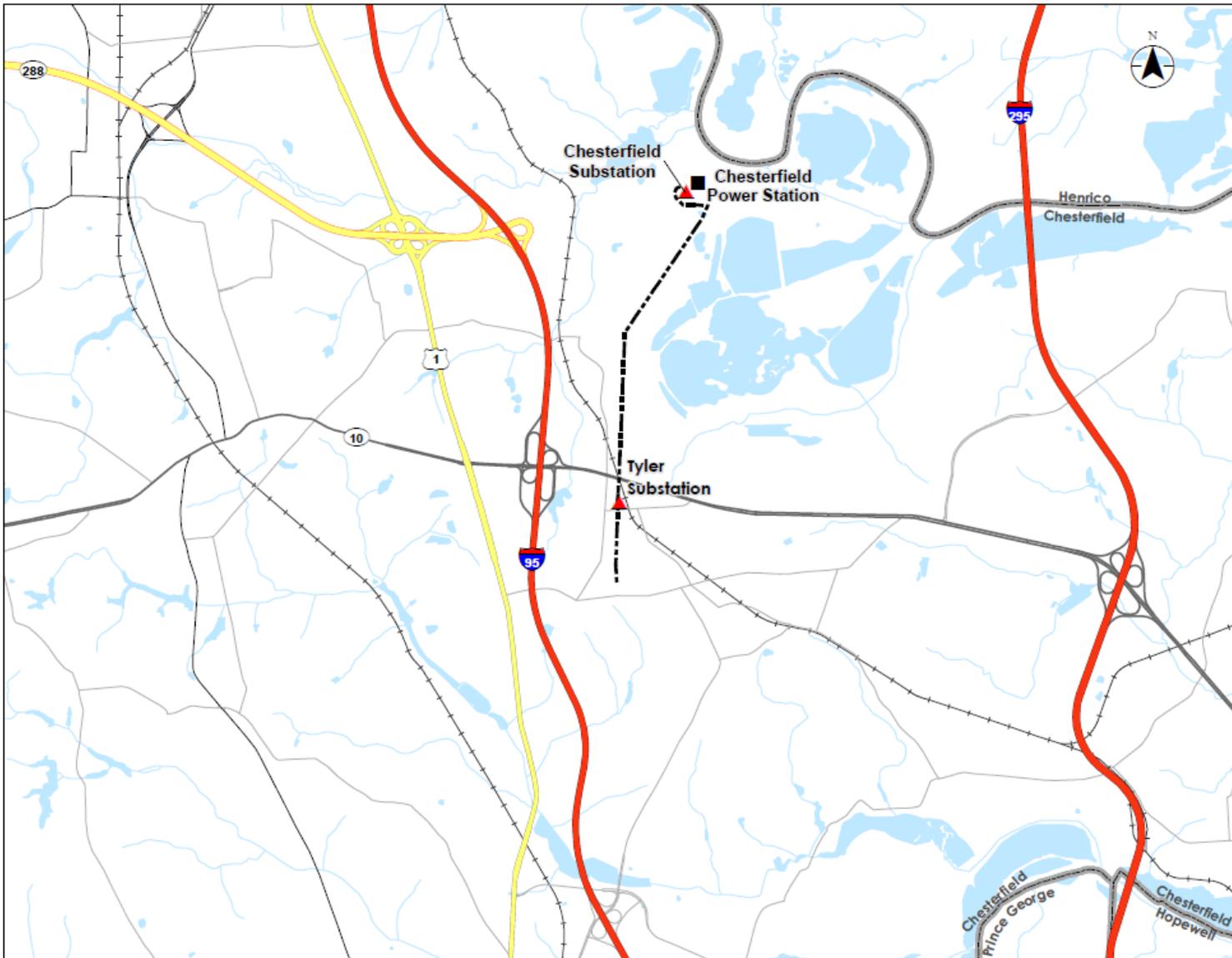


Figure No.  
V.A

Title  
**Notification Map**

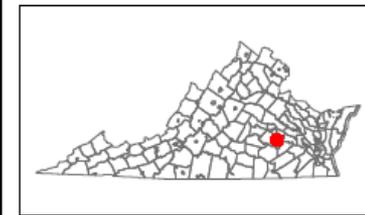
Client/Project  
Dominion Energy Virginia  
Chesterfield - Tyler 230 kV Partial Rebuild

Project Location  
Chesterfield County, Virginia

202401247  
Prepared by LJB on 2019-12-17  
Technical Review by MGS on 2019-12-18  
Independent Review by CFG on 2019-12-18

0 3,500 7,000 Feet  
1:42,000 (At original document size of 11x17)

- Existing Substation
- Existing Power Station
- Line 205 and 203
- Railroad



- Notes
1. Coordinate System: NAD 1983 StatePlane Virginia South FIPS 4502 Feet
  2. Base features provided by Dominion Energy Virginia
  3. Substation labels digitized from orthoimagery
  4. Roads provided by ESRI
  5. Railroad data provided by Chesterfield County GIS 2017
  6. Wetlands and waters data provided by USGS National Hydrography Dataset (NHD)



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# Reliability Concerns & Drivers

Approximately 3 miles of 230 kilovolt (kV) transmission line between Chesterfield and Tyler substations have reached the end of their service life.

- Structures were originally installed in 1962
- Continued operation risks negatively impacting service reliability
- Conductor, fiber and four structures beyond Tyler substation will also be replaced



*Representative pictures of aging structures.*

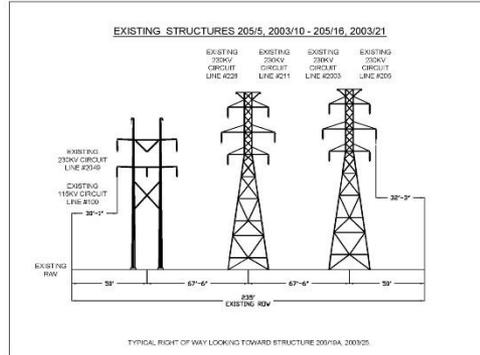
# Proposed Solution

In order to maintain structural integrity and reliability, Dominion Energy is proposing to rebuild the transmission lines in an existing corridor in Chesterfield county.

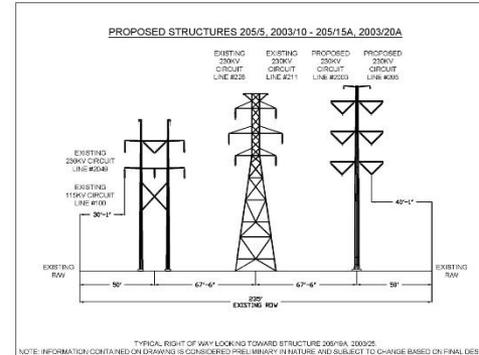
- Located entirely within existing right of way
- Replaces lattice structures with monopole structures
- New structures will be weathering steel
  - Community feedback will be solicited
- Partial co-location with another transmission line(s)
- Rebuilding to current industry standards
- Target completion date: **End of year 2022**

# ROW SECTIONS

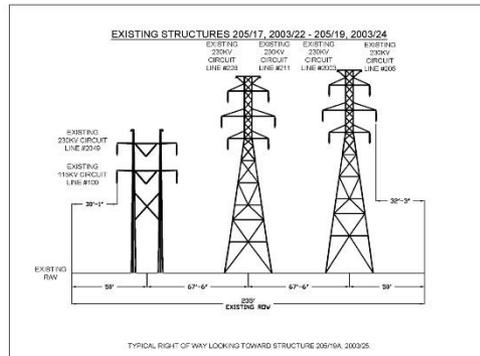
## As viewed from the North



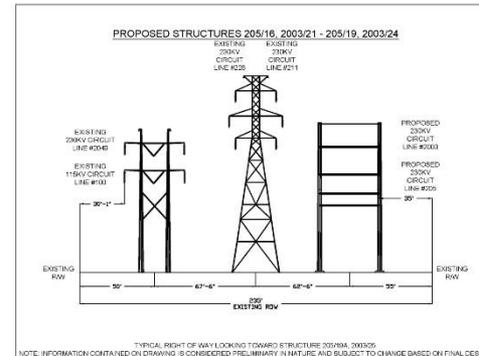
Average Height 121'



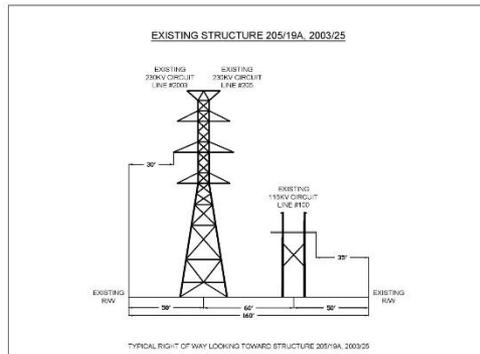
Average Height 124'



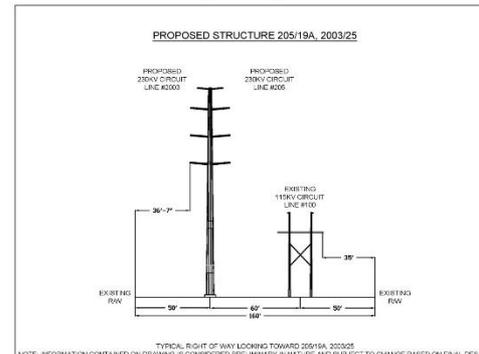
Average Height 102'



Average Height 123'



Average Height 140'



Average Height 140'

# Electric Transmission Line Planning and Public Engagement Process



# Electric Transmission Line SCC Application Review Process

The Virginia State Corporation Commission (SCC) has regulatory authority over all energy providers in Virginia and requires certification for all transmission lines out of the ordinary course of doing business or are at or above 138 kilovolts (kV). Among other responsibilities, the

SCC validates the need for a proposed line and approves the route and structures. In reviewing a proposed project, the SCC must consider whether potential impacts on scenic assets, historic districts and the environment have been reasonably minimized.



**Domionio Energy notifies county and city officials of intent to file**  
Required pursuant Code of Virginia § 15.2-2202

**Domionio Energy submits application to SCC**  
Includes full project details, including need, cost, routing options, potential impacts, etc.

**Domionio Energy notifies electric cooperatives**



**SCC posts application for public review**  
Available at [scc.virginia.gov](http://scc.virginia.gov)

**SCC issues procedural order**  
Case schedule is set; SCC invites public comments and formal participation in the case as a respondent.

**Department of Environmental Quality (DEQ) issues first report**  
Due within 60 days of application filing



**SCC conducts public hearings**  
Held in selected areas near the project

**DEQ issues coordinated comments**  
Summary of recommendations from multiple state resource agencies to minimize impacts and for compliance with legal requirements



**Public comment period opens**  
Submitted online or via mail

**Discovery begins**  
SCC Staff starts its review; SCC Staff, Dominion Energy and respondents may serve discovery

**Interested parties can join case as respondents**  
Formal mechanism to join proceedings

**Domionio Energy issues public notice**  
Notifies local officials, impacted landowners and the public



**Public comment period closes**

**Respondents submit testimony**

**SCC Staff submits its report about the project**

**Domionio Energy submits rebuttal testimony**  
In response to DEQ summary, staff report and respondent testimony

**SCC conducts formal evidentiary hearing**  
Testimony submitted and subject to cross examination by SCC Staff, Dominion Energy and respondents

**SCC hearing examiner issues report of recommendation**

**Participants issue response**  
SCC Staff, Dominion Energy and respondents comment to hearing examiner's report



**Domionio Energy begins construction of facilities**

**Domionio Energy pursues additional permits as needed**  
Local permits, U.S. Army Corps of Engineers, Federal Aviation Administration (FAA), etc.

**SCC issues final order**  
If approved, SCC issues a Certificate of Public Convenience and Necessity (CPCN) authorizing Dominion Energy to construct and operate the facilities

Process could take as little as eight months to complete if uncontested, with more complex proceedings ranging from 12-24 months from start to finish

- Domionio Energy's Responsibility
- Public Involvement Touchpoints
- Procedural Steps
- Optional Step Determined by SCC

# Next Steps

<b>Spring-Fall 2019</b>	<ul style="list-style-type: none"><li>• Meet with local elected officials</li><li>• Project website launched; Dedicated email/phone open</li><li>• Solicit input from cultural advocacy groups</li></ul>
<b>Jan. 7, 2020</b>	<ul style="list-style-type: none"><li>• Host public open house</li></ul>
<b>Early Feb. 2020</b>	<ul style="list-style-type: none"><li>• File Application with Virginia State Corporation Commission (SCC)</li></ul>
<b>Spring 2021</b>	<ul style="list-style-type: none"><li>• Requested date for SCC approval</li></ul>

# Questions/Comments

**Dedicated Project Page:  
DominionEnergy.com/chesterfieldtyler**

**888-291-0190  
Powerline@dominionenergy.com**