

Carson-Midlothian & North Anna-Midlothian 500 kV Electric Transmission Projects

Virginia counties of Dinwiddie, Chesterfield,
Powhatan, Goochland, Hanover, and Louisa



To maintain system reliability and successfully integrate new electric generation, these projects propose to rebuild the existing lines between Carson and Midlothian substations as well as Midlothian and North Anna substations.

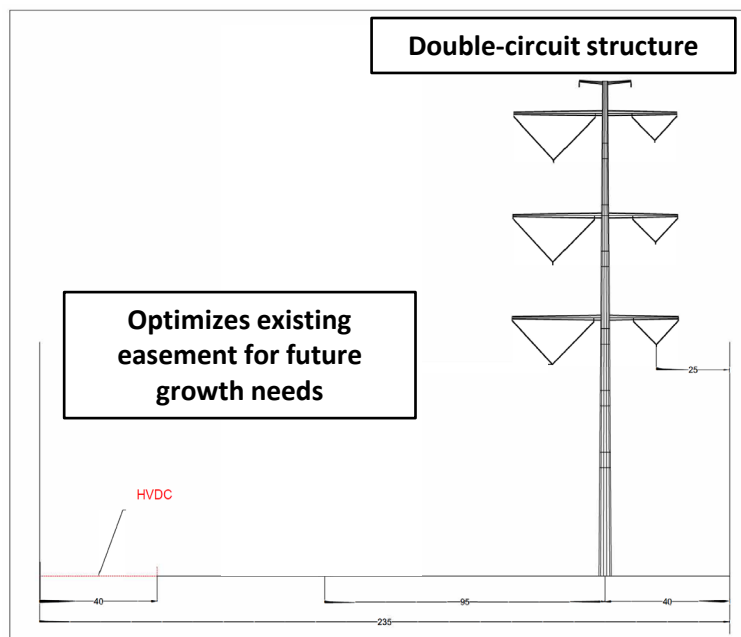


At a Glance	North Anna – Midlothian	Carson - Midlothian
Originally built	1979	1981
Number of structures to be replaced	214	210
Project length	~41.13 miles	~37.41 miles
Both projects will carry 500 kilovolt (kV) lines and plan to use the existing right of way. Portions of the right of way will require clearing and maintenance.		

Structure Information:

- Current structures: Single-circuit weathering steel lattice tower
- Proposed structures: Double-circuit steel monopole
 - Taller than existing structures, approximately 170 – 190 feet tall on average.
 - Built for future growth: 500 kilovolt (kV) lines on one side of the structure, and potential for a future 230 kV line on the other side.
 - Portions of existing 230 kV lines will be partially rebuilt on the proposed structures.
 - A new 230 kV line is proposed between Winterpock Junction and Reams Substation on the proposed monopole structures.
- Where possible, new poles will be placed in similar locations as the existing structures.
- Existing right of way will be optimized for future transmission growth.

Proposed Structure:



Preliminary structure design, subject to change

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Project Schedules (Subject to change based on permits, weather, etc.)

Activity	North Anna – Midlothian	Carson - Midlothian
Conduct surveys	Beginning in early 2026, continuing through the year	
Announce project	Spring 2026	
Public meetings and community engagement	Spring – summer 2026	Spring – summer 2026
File application with Virginia State Corp Commission (SCC)	September 2026 (Both projects will be filed together as one SCC application)	
SCC issues Final Order (requested)	Spring 2027	
Begin clearing right of way	Late 2026 – early 2027 (Clearing continues through 2027 as permits allow)	
Construction activities	Q2 2028 – late 2030	Q4 2027 – late 2030

Interactive Project Map

- Discover more about the proposed project corridor.
- Search for a specific address to see proximity to the transmission line.
- Compare existing and proposed structures.
- Scan the QR code or find this interactive map on the project website.



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website: DominionEnergy.com / Carson-NorthAnna

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