

SRRTEP Committee Southern Dominion Supplemental Projects

February 12, 2026

Needs

Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2026-0007

Process Stage: Need Meeting 02/12/2026

Project Driver: Customer Service

Specific Assumption References:

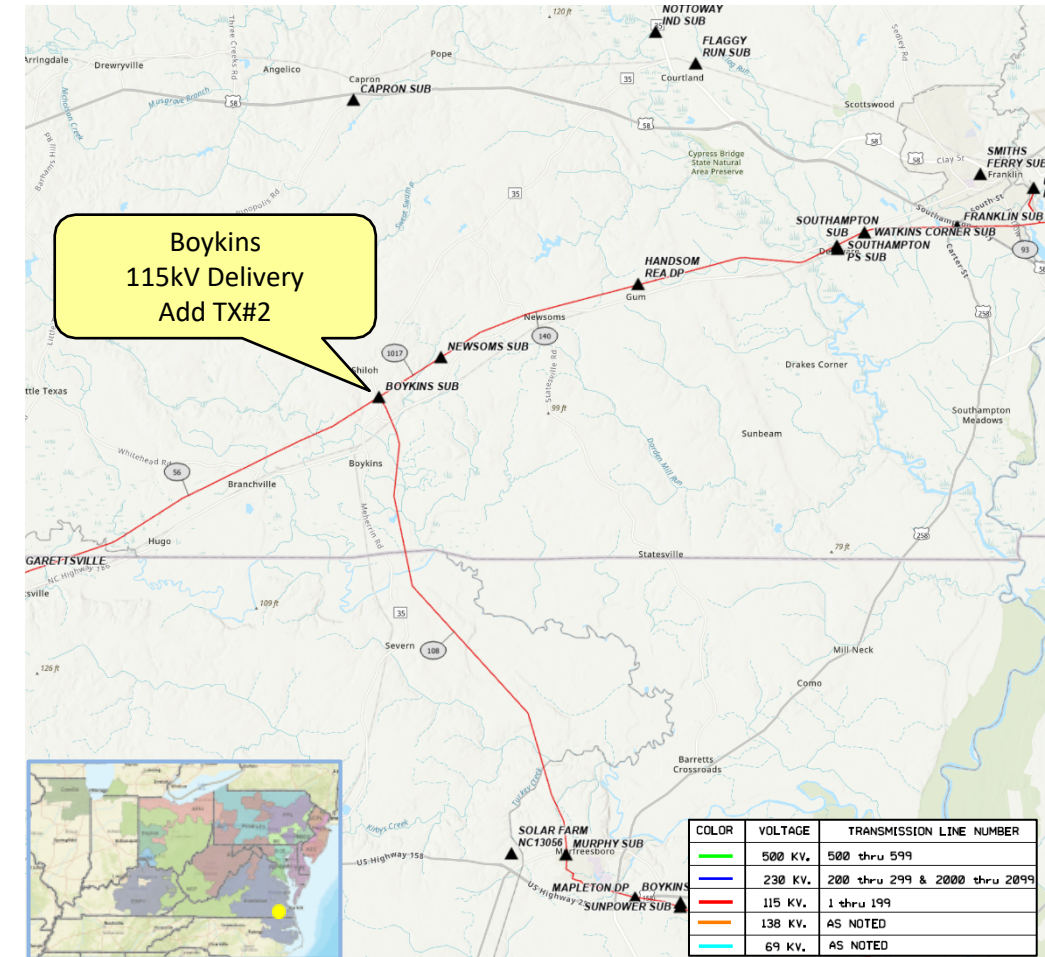
Customer load request will be evaluated per Dominion's Facility Interconnection Requirements Document and Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a Delivery Point (DP) Request to add a 2nd distribution transformer (TX#2 with 22.4 MVA rating) at Boykins Substation in Southampton County, Virginia. Boykins Substation has been identified as a voltage island and is mobile dependent around the year. Distribution TX#2 will feed 34.5 kV loads to improve service resilience within contingencies. The initial load is projected to be approximately 8.0 MW in 2028, and total load is project to be 8.9MW by 2035.

This upgrade is within the scope of Virginia's SCC GTP Phase III Substation Technology Deployment and will enable real-time monitoring and control, advanced protection, automation and control, and power quality monitoring.

Requested in-service date is 12/31/2027.



Dominion Transmission Zone: Supplemental Equipment Material Condition, Performance and Risk

Need Number: DOM-2026-0006

Process Stage: Need Meeting 2/12/2026

Project Driver: Equipment Material Condition, Performance Risk

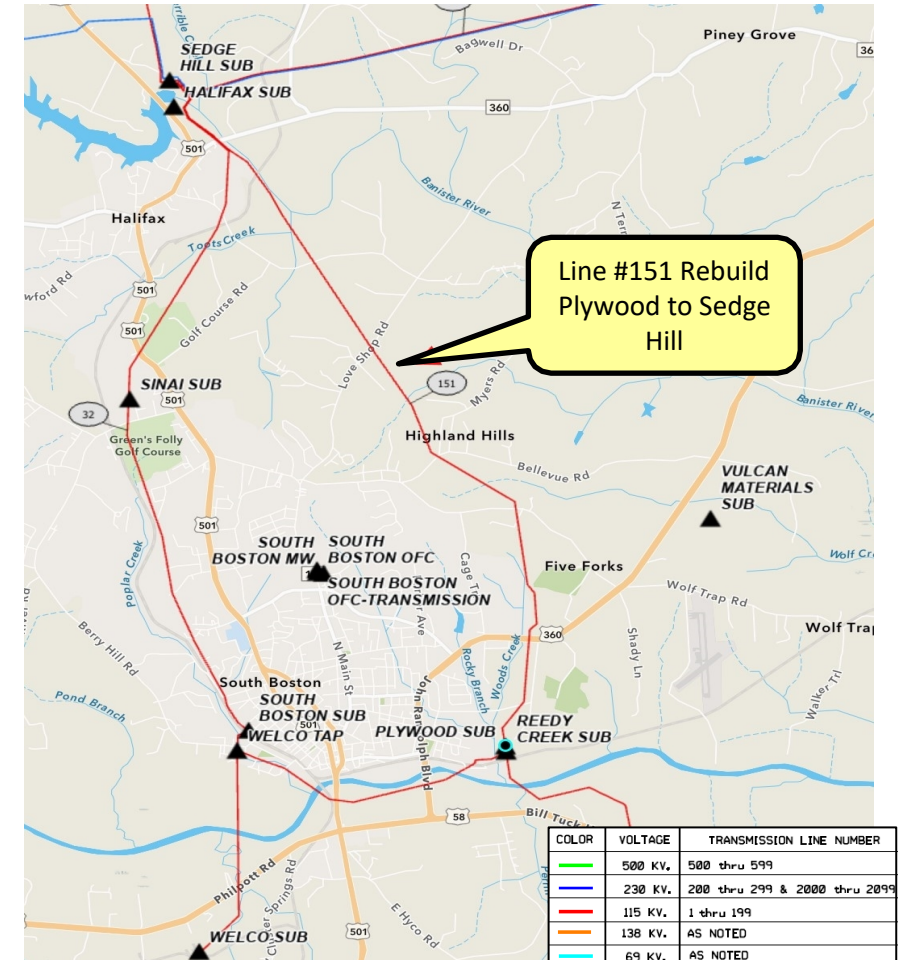
Specific Assumption References:

See details on Equipment Material Condition, Performance and Risk in Dominion's Planning Assumptions presented in December 2025.

Problem Statement:

Dominion Energy has identified a need to replace approximately 7.08 miles of 115kV Line #151 from Plywood to Sedge hill to new 115kV standards based on the Company's End of Life Criteria.

- Maintenance history on Line #151 reveals degradation of wood structures which includes decay, rot and woodpecker damage, and about 17% of the original structures have been replaced due to wood pole deterioration.
- Industry guidelines indicate equipment life for wood structures is 35-55 years, conductor and connectors are 40-60 years, and porcelain insulators are 50 years. There are 47 wood structures that need to be replaced.
- Line #151 is critical to serve the Plywood generator, and retirement of this line would disrupt the 115kV network



Solutions

Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2025-0036

Process Stage: Solution Meeting 02/12/2026

Previously Presented: Need Meeting 09/18/2025

Project Driver: Customer Service

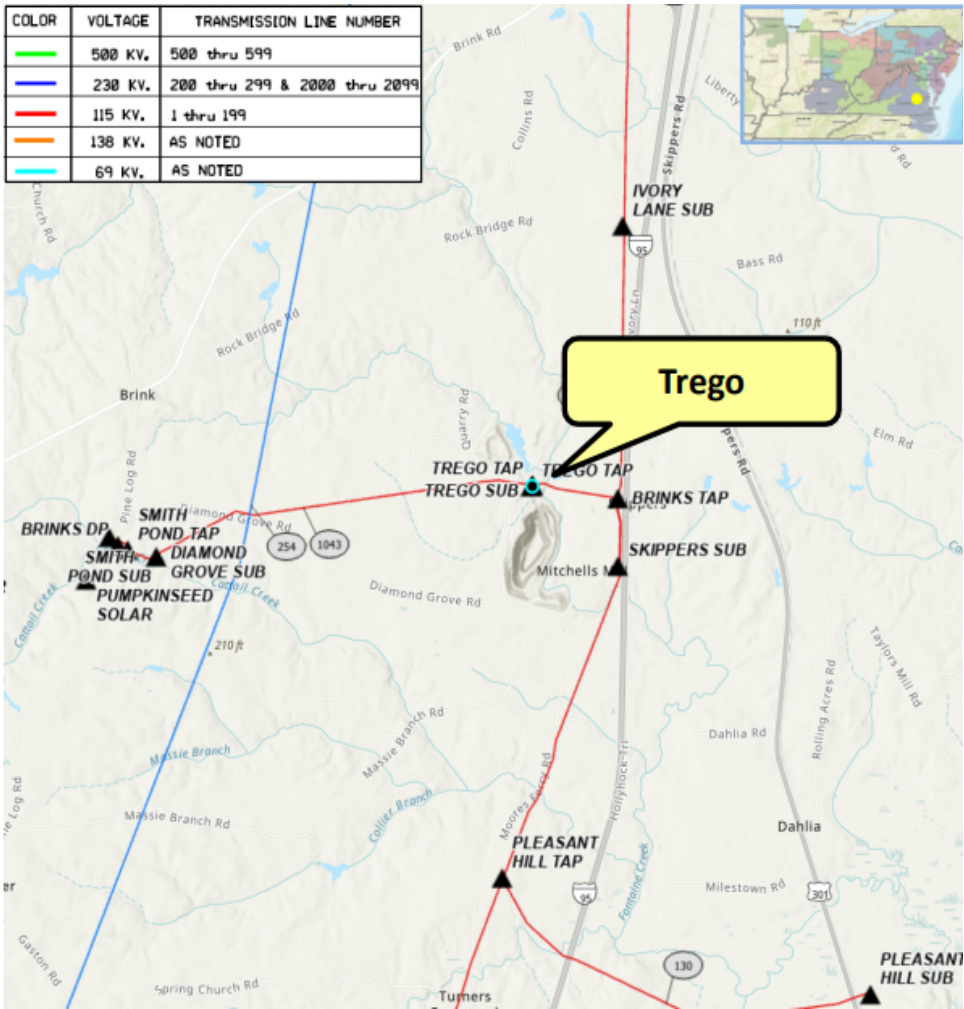
Specific Assumption References:

Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

Problem Statement:

Dominion Energy Distribution has submitted a Delivery Point (DP) Request for the installation of one three-phase 9 MVA, 115/12.5kV transformer to feed Circuit 730 and replacing the existing transformer with a 9 MVA, 115/4.16kV transformer to feed Circuit 831 at Trego Substation with a target energization date of 04/30/2026.

Initial In-Service Load	Projected 2030 Load
Summer: 6.7 MW Winter: 6.8 MW	Summer: 7.6 MW Winter: 7.7 MW



Dominion Transmission Zone: Supplemental Trego 115 kV Delivery – Install 2nd TX and Upgrade TX#1 - DEV

Need Number: DOM-2025-0036

Process Stage: Solution Meeting 02/12/2026

Project Driver: Loading Exceeds Nameplate Rating, Voltage Island

Proposed Solution:

Install three fuses and associated equipment (center break switch, bus work, relaying, etc.) on the high side of the existing and new transformer at Trego Substation.

Estimated Project Cost: \$0.7M

Alternative Considered: No feasible alternatives. The scope of work is occurring at an existing substation.

Expected in-service date: 11/16/2026

Project Status: Construction

Model: 2030 RTEP





Questions?

Appendix

High level M-3 Meeting Schedule

Assumptions

Activity	Timing
Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
Stakeholder comments	10 days after Assumptions Meeting

Needs

Activity	Timing
TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
Stakeholder comments	10 days after Needs Meeting

Solutions

Activity	Timing
TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
Stakeholder comments	10 days after Solutions Meeting

Submission of Supplemental Projects & Local Plan

Activity	Timing
Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
Post selected solution(s)	Following completion of DNH analysis
Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions

Revision History

02/02/2026 – V1 – Original version posted to pjm.com.