

# SRRTEP Committee Southern Dominion Supplemental Projects

April 10, 2025

# Needs

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process

# Dominion Transmission Zone: Supplemental Customer Service

**Need Number:** DOM-2025-0014

**Process Stage:** Need Meeting 04/10/2025

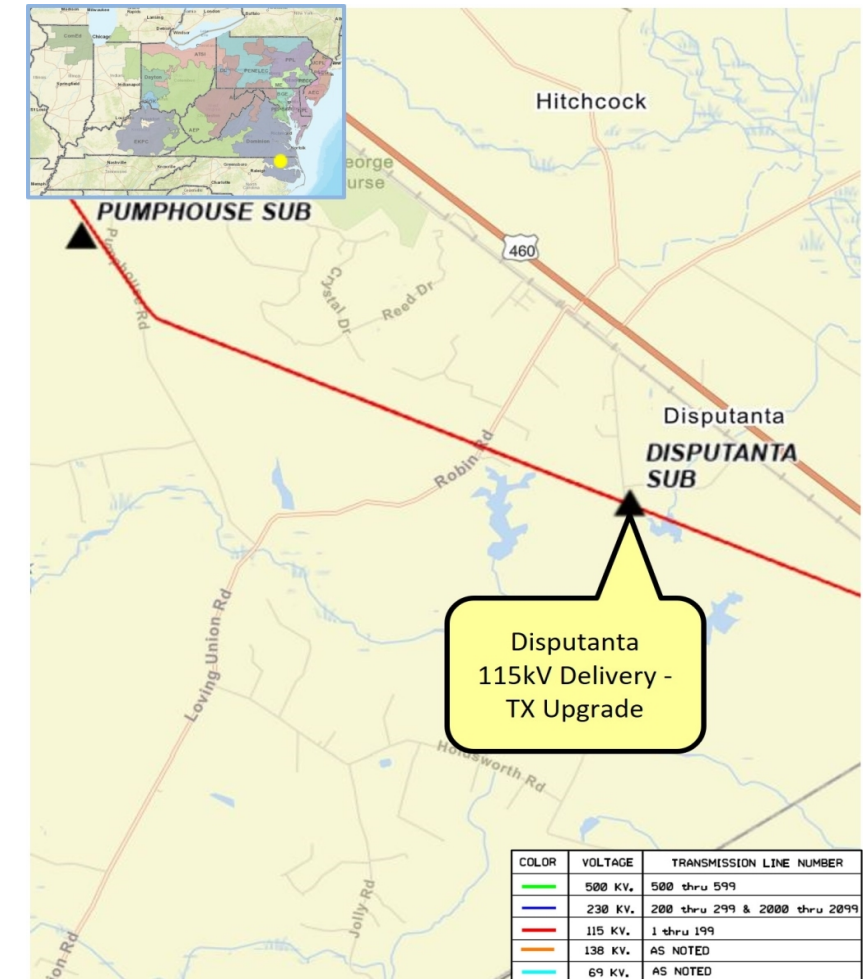
**Project Driver:** Customer Service

## Specific Assumption References:

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

## Problem Statement:

DEV Distribution has submitted a delivery point (DP) request to upgrade TX #1 at Disputanta Substation in Prince George County, VA. The reason for the upgrade is GTP Phase III Substation Technology Deployment which will enable real-time monitoring and control, advanced protection, automation, and control, and power quality monitoring. Requested in-service date is 12/31/2026.



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

**Need Number:** DOM-2025-0015

**Process Stage:** Need Meeting 04/10/2025

**Project Driver:** Customer Service

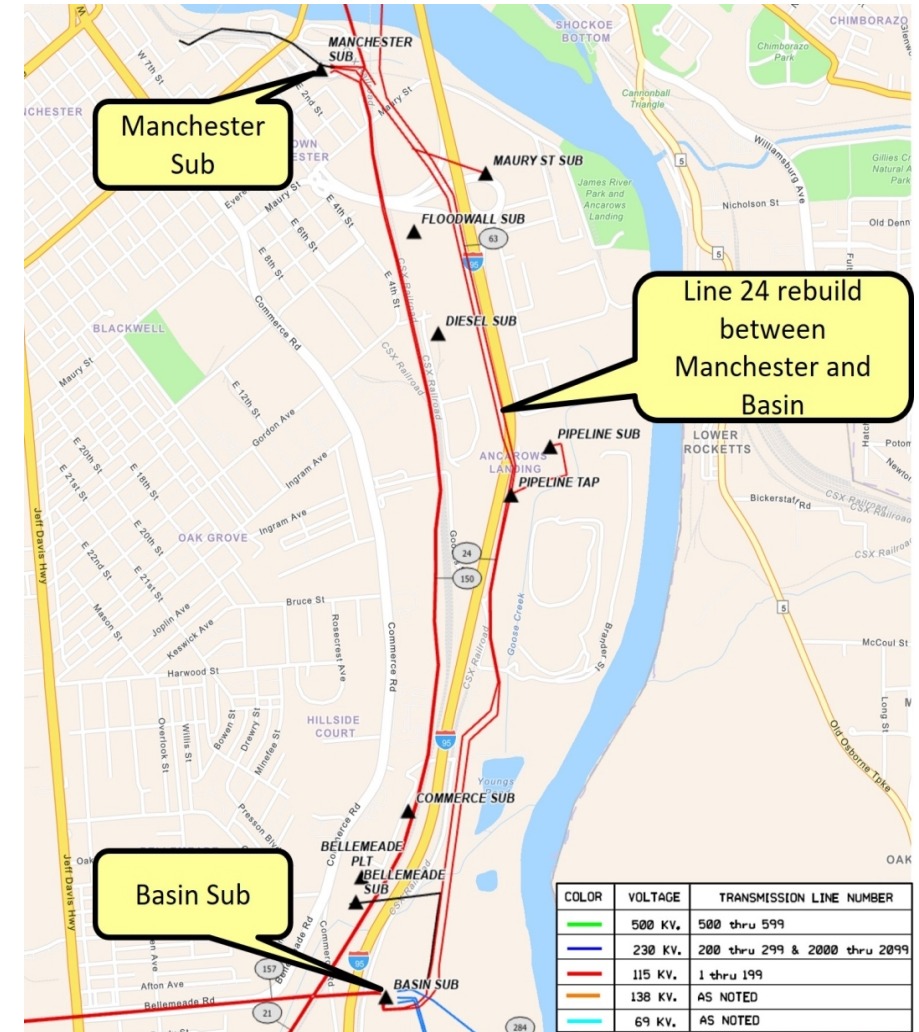
## Specific Assumption References:

See details on Equipment Material Condition, Performance and Risk in Dominion's Planning Assumptions presented in December 2024.

## Problem Statement:

Dominion Energy has identified a need to replace approximately 2.7 miles of 115kV Line #24 from Basin to Manchester to new 115kV standards based on the Company's End of Life criteria.

- Line #24 was constructed on wood H-frame structures in 1941 from Basin to Manchester, currently a mix of steel and wood structures.
- The line has 636 ACSR conductor and 3/8" steel static. 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.
- Line #24 serves Maury Street substation (a load of 4 MW). Removal of line #24 creates thermal violations on line #53 (Chesterfield – Kevlar) and voltage violations at Plaza substation under N-1 contingency conditions.



# Dominion Transmission Zone: Supplemental Customer Service

**Need Number:** DOM-2025-0016

**Process Stage:** Need Meeting 04/10/2025

**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:

DEV Distribution has submitted a DP Request to add TX2 at existing London Bridge Substation in Virginia Beach, VA. The new TX is being driven by new data center customer load will add 44.6MVA. The requested in-service date is 12/29/2028.





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

04/01/2025 – V1 – Original version posted to pjm.com.