

# Dominion Supplemental Projects

Transmission Expansion Advisory  
Committee  
December 6, 2022

# 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 Operational Flexibility and Efficiency

**Need Number:** DOM-2022-0058

**Process Stage:** Need Meeting 12/06/2022

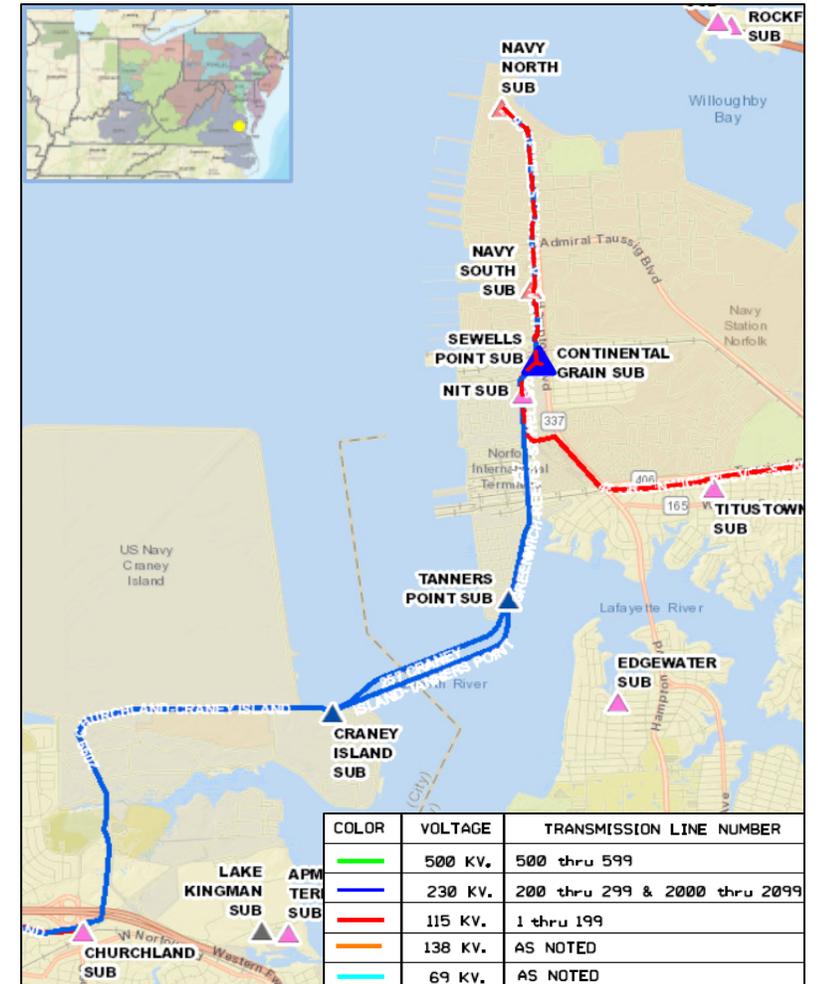
**Project Driver:** Operational Flexibility and Efficiency

**Specific Assumption References:**

See details on Operational Flexibility and Efficiency in Dominion’s Planning Assumptions presented in December 2021.

**Problem Statement:**

Sewell’s Point, Navy North, and Navy South 230kV buses serving customer load are identified with low voltage issues due to a Tower contingency that involves loss of Line #257 and Line #2099 (Churchland to Sewell’s Point).



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2022-0059

**Process Stage:** Need Meeting 12/06/2022

**Project Driver:** Customer Service

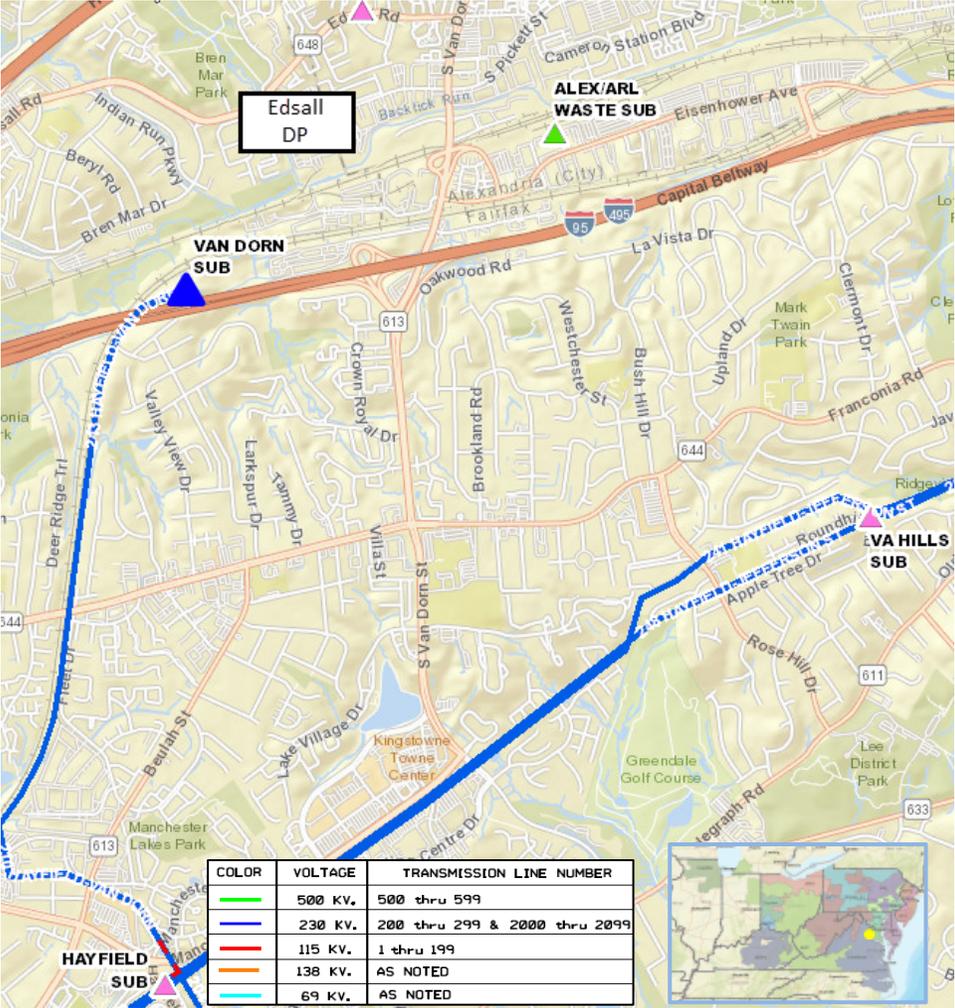
**Specific Assumption References:**

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

**Problem Statement:**

DEV has submitted a DP Request for a new substation (Edsall) in Fairfax County with a total load in excess of 100MW.  
Requested in-service date is 9/1/2025.

Initial In-Service Load	Projected 2027 Load
Summer: 52.0 MW	Summer: 96.0 MW



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

**Need Number:** DOM-2022-0060

**Process Stage:** Need Meeting 12/06/2022

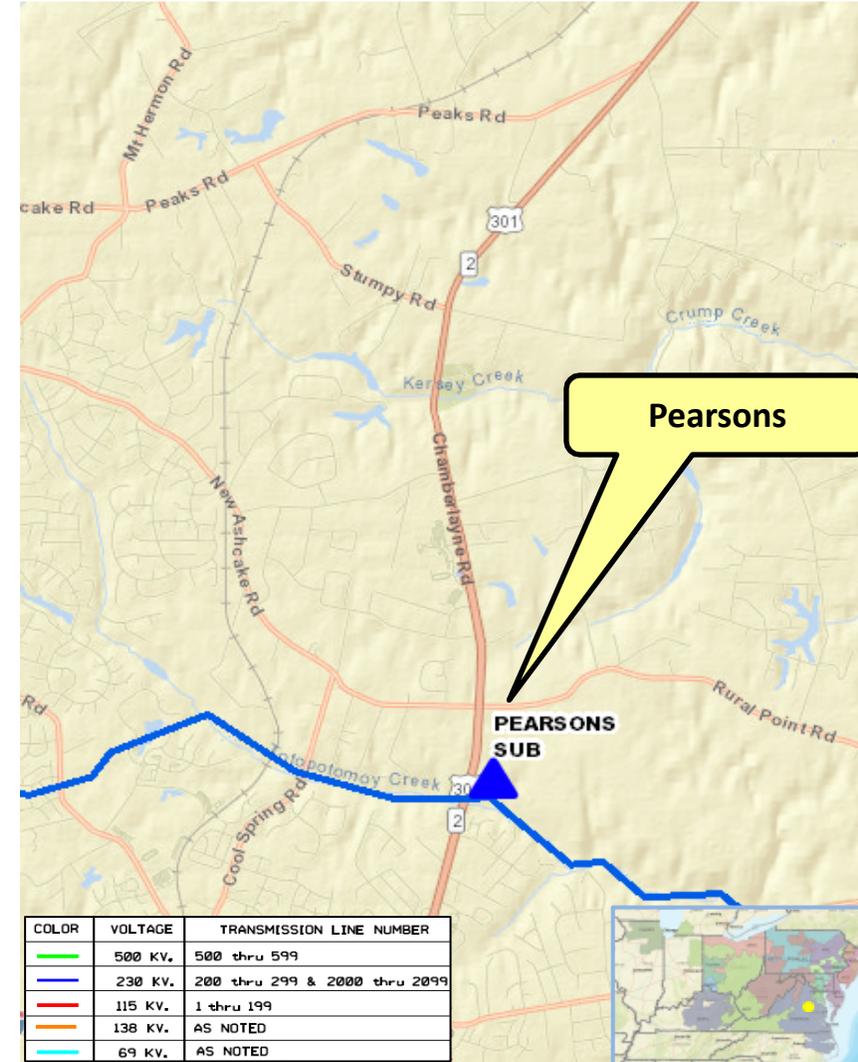
**Project Driver:** Equipment Material Condition, Performance and Risk

## Specific Assumption References:

See details on Equipment Material Condition, Performance and Risk in Dominion's Planning Assumptions presented in December 2021.

## Problem Statement:

Dominion Energy has identified a need to replace two 230kV switches at Pearsons substation (207576 & 207579). These switches have become inoperable and can only be operated de-energized.



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2022-0062

**Process Stage:** Need Meeting 12/06/2022

**Project Driver:** Customer Service

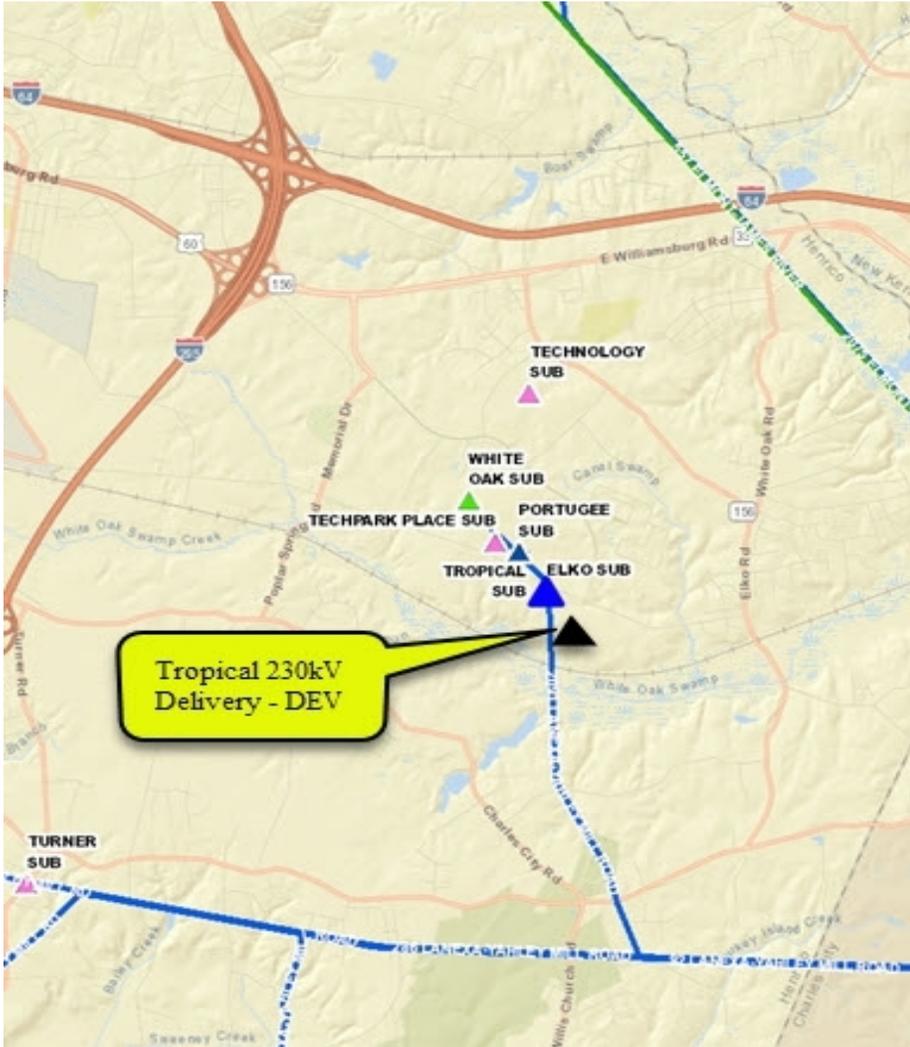
**Specific Assumption References:**

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

**Problem Statement:**

DEV has submitted a DP Request for a new substation (Tropical) to serve a data center campus in Henrico County with a total load in excess of 100MW. Requested in-service date is 1/1/2025.

Initial In-Service Load	Projected 2027 Load
Summer: 46.0 MW	Summer: 150.0 MW



# 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

11/28/2022 – V1 – Original version posted to pjm.com.

12/14/2022 – V2 – Updated county from Loudoun to Fairfax on slide 4.