

# SRRTEP Committee Southern Dominion Supplemental Projects

March 20, 2020

# 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 Equipment Material Condition, Performance and Risk; Operational Flexibility and Efficiency

**Need Number:** DOM-2020-0007

**Process Stage:** Need Meeting 03/20/2020

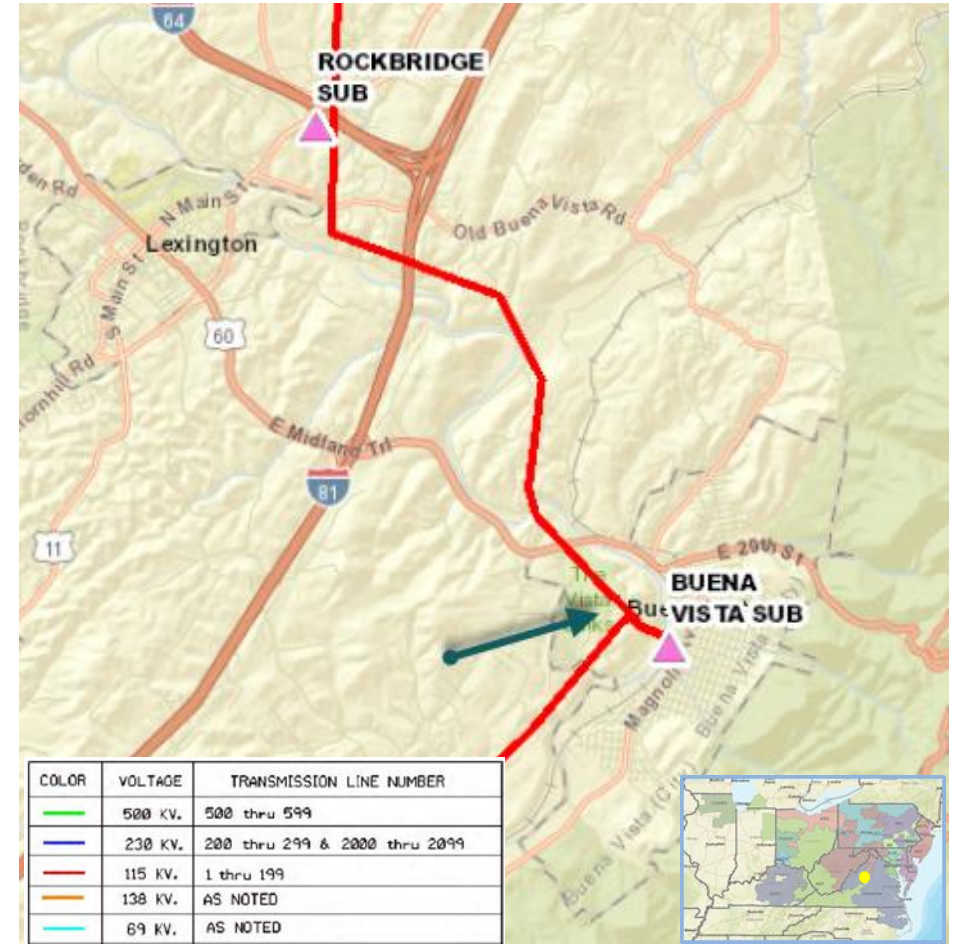
**Project Driver:** Equipment Material Condition, Performance and Risk; Operational Flexibility and Efficiency

## Specific Assumption References:

See details on Equipment Material Condition, Performance and Risk in Dominion's Planning Assumptions presented in December 2019

## Problem Statement:

- The two ground switch/MOAB schemes protecting Buena Vista transformers #1 and #2 need to be replaced to prevent transformer operations from impacting adjacent Rockbridge and James Lee Substations
- The two 800A wave traps located outside of Buena Vista Substation on structures 26/215A and 26/215B need to be replaced due to age (25 years)
- A single span (approx. 625') of 721 ACAR between structures 26/214 and 26/215 at Buena Vista Substation is the most limiting element affecting the rating of Line #26



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

**Need Number:** DOM-2020-0008

**Process Stage:** Need Meeting 03/20/2020

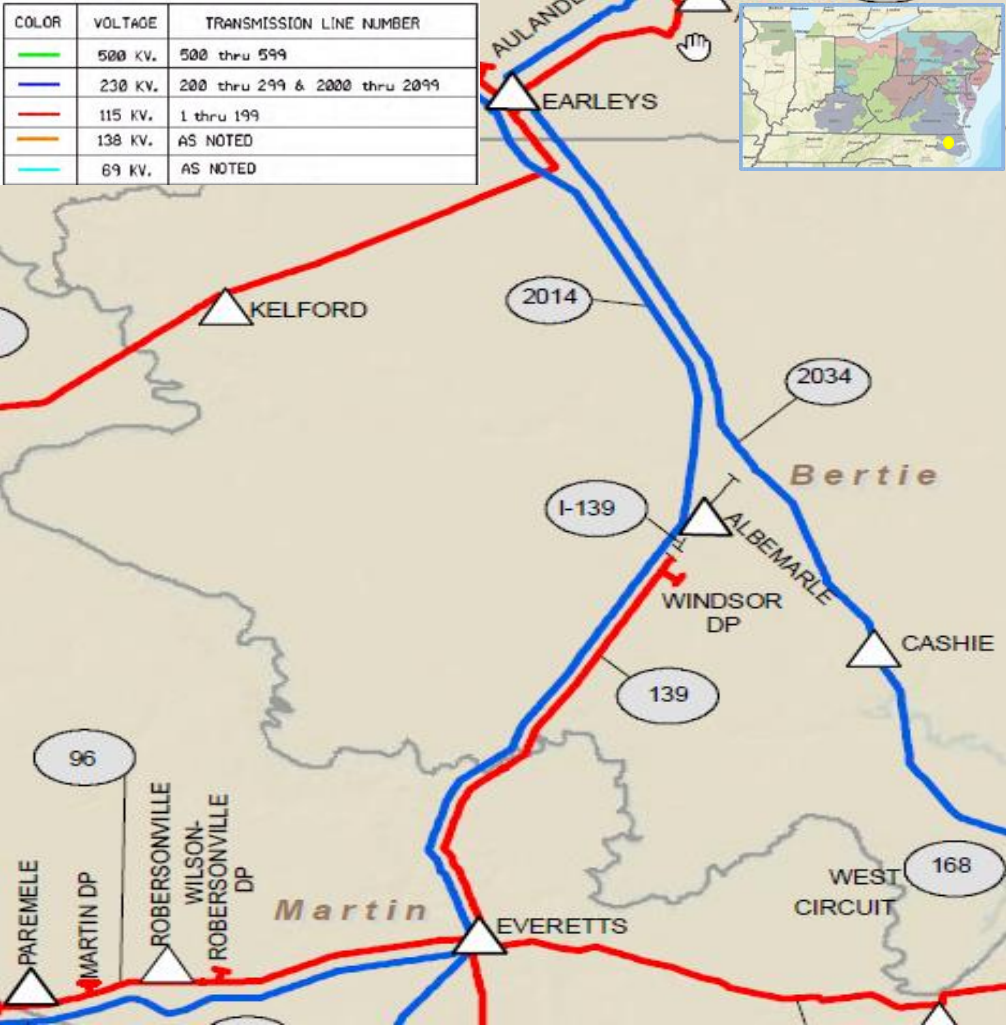
**Project Driver:** Equipment Material Condition, Performance and Risk

**Specific Assumption References:**

See details on Equipment Material Condition, Performance and Risk in Dominion’s Planning Assumptions presented in December 2019

**Problem Statement:**

Dominion Energy has identified a need to replace approximately 160 ft of conductor at Everetts Substation on Line#2014 Earleys – Everetts to improve system performance and increase line capacity. This short segment of conductor is imposing a limit on the remaining sections of the line.



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

**Need Number:** DOM-2020-0009

**Process Stage:** Need Meeting 03/20/2020

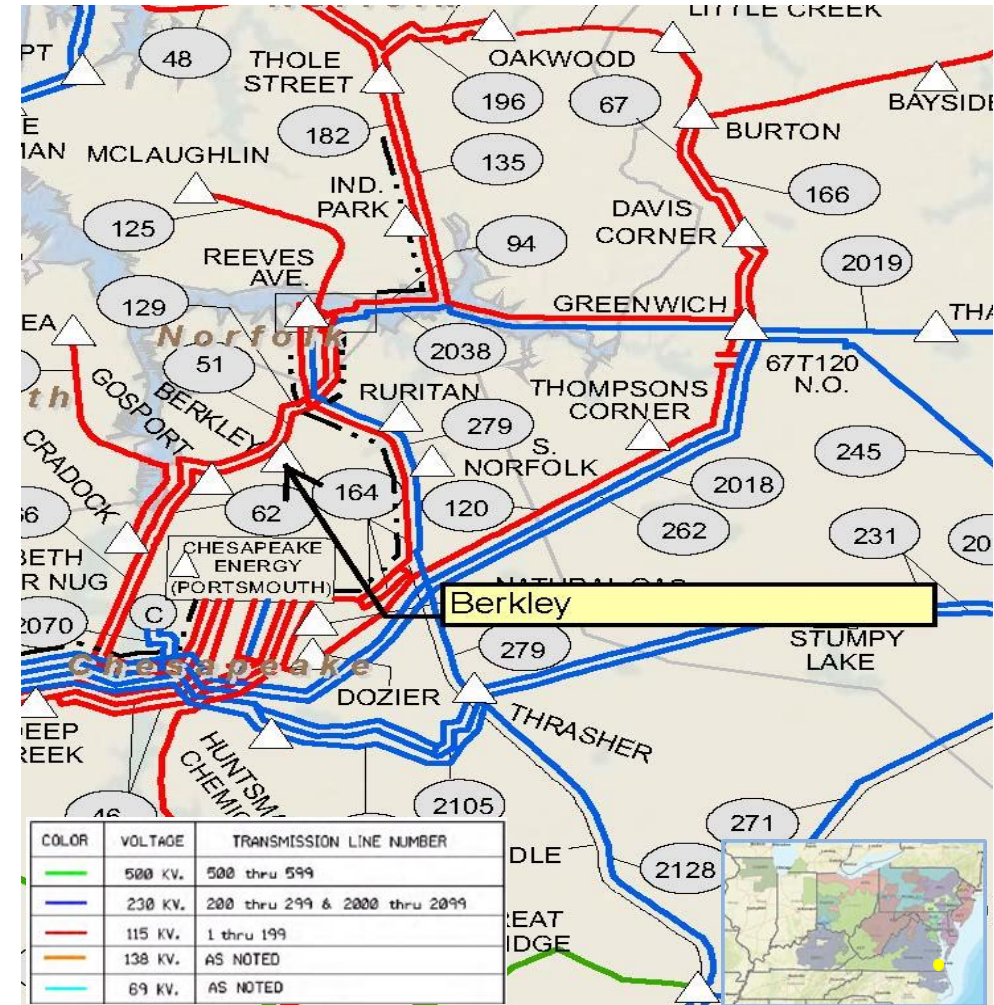
**Project Driver:** Equipment Material Condition, Performance and Risk

**Specific Assumption References:**

See details on Equipment Material Condition, Performance and Risk in Dominion's Planning Assumptions presented in December 2019

**Problem Statement:**

A 115kV line switch at Berkley substation has been identified with operating issues. This switch on Line #51 is in-operable.



# 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

03/10/2020 – V1 – Original version posted to pjm.com