

# SRRTEP Committee Southern Dominion Supplemental Projects

August 13, 2020

# Solutions

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 End of Life Criteria

**Need Number:** DOM-2020-0014

**Process Stage:** Solution Meeting 08/13/2020

**Previously Presented:** Need Meeting 07/16/2020

**Project Driver:** End of Life Criteria

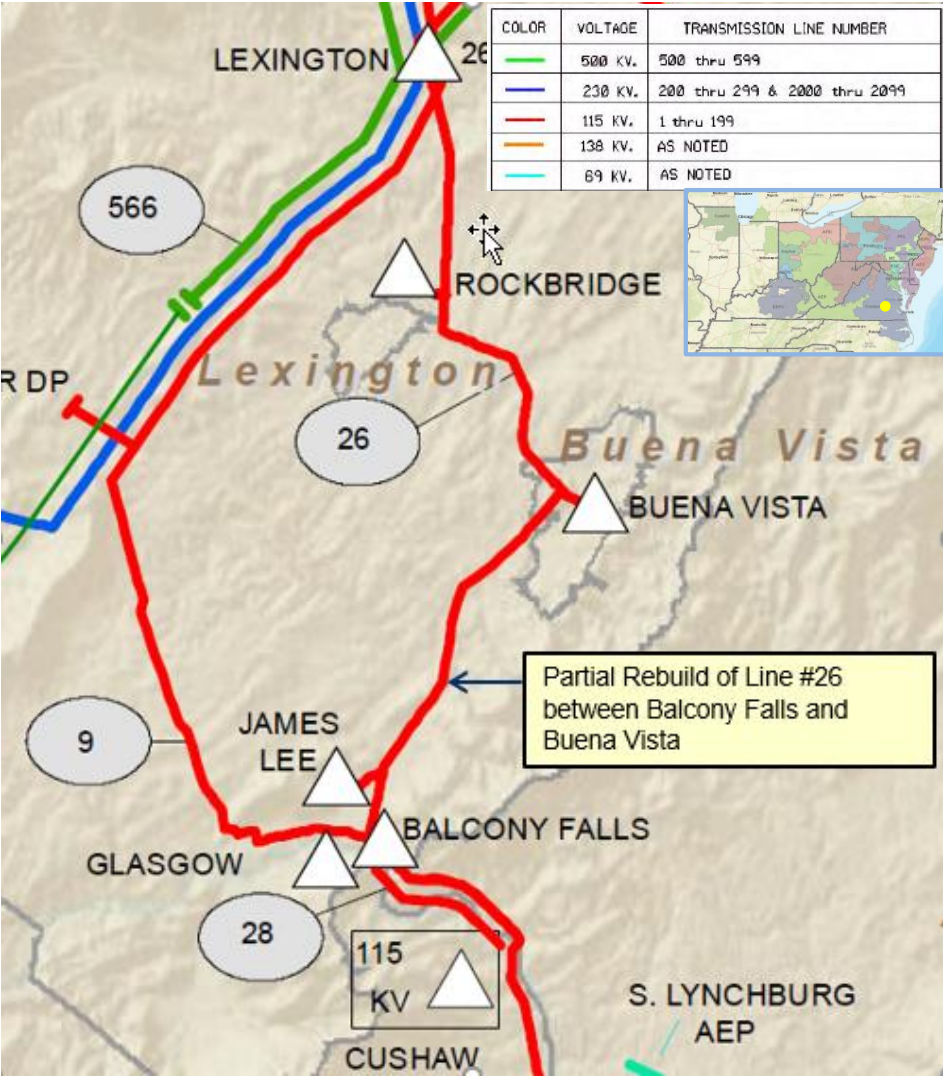
**Specific Assumption References:**

See details on Dominion Energy’s End of Life Criteria in Dominion’s Planning Assumptions presented in December 2019 and updated in June 2020.

**Problem Statement:**

The 26 line extends 20.82 miles between Lexington to Balcony Falls. The 7.63 mile section between Balcony Falls and Buena Vista was constructed primarily on Blaw Knox structures in 1928 and includes ACSR conductor and 3#6 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. Within this section there are 18 structure locations that need to be replaced due to condition which makes up more than 21.7% of the segment structures.

Removing this segment of Line #26 from service creates a violation of Dominion Energy’s Transmission Planning Criteria whereby the loading on the resulting radial transmission line exceeds the 700 MW-Mile Exposure limit (MW-Mile = Peak MW X Radial Line Length).



# Dominion Transmission Zone: Supplemental Line #26 – Partial Rebuild Balcony Falls to Buena Vista - DEV

**Need Number:** DOM-2020-0014

**Process Stage:** Solutions Meeting 08/13/2020

**Proposed Solution:**

Rebuild approximately 7.63 miles of Line #26, between Balcony Falls and Buena Vista, to current 115kV standards and with a minimum rating of 261 MVA

**Alternative:**

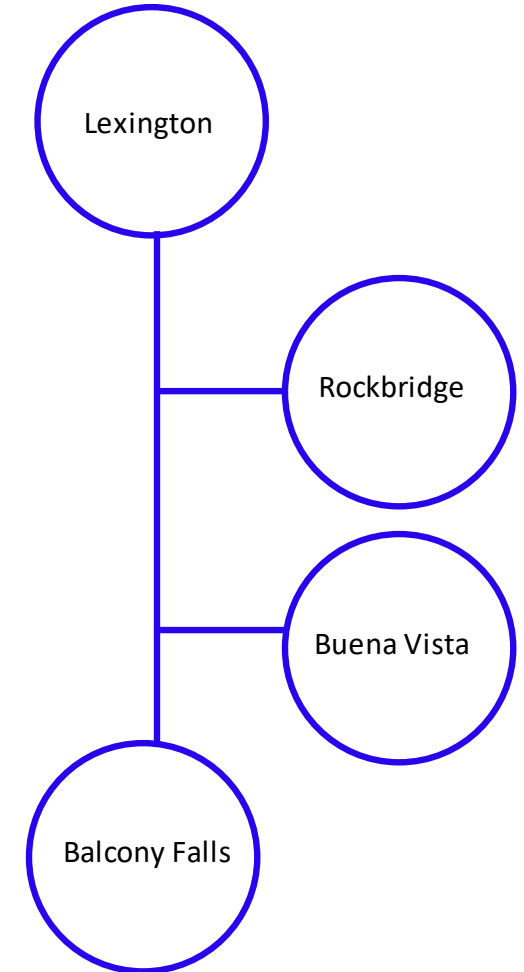
No feasible alternatives.

**Estimated Project Cost:** \$15.3M

**Required In-service Date:** Immediate Need

**Project IS Date:** 12/31/2023

**Project Status:** Conceptual



# 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

8/3/2020 – V1 – Original version posted to pjm.com