

Dominion Supplemental Projects

Transmission Expansion Advisory
Committee
April 14, 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 Customer Load Request

Need Number: DOM-2020-0004

Process Stage: Need Meeting 04/14/2020

Project Driver: Customer Service

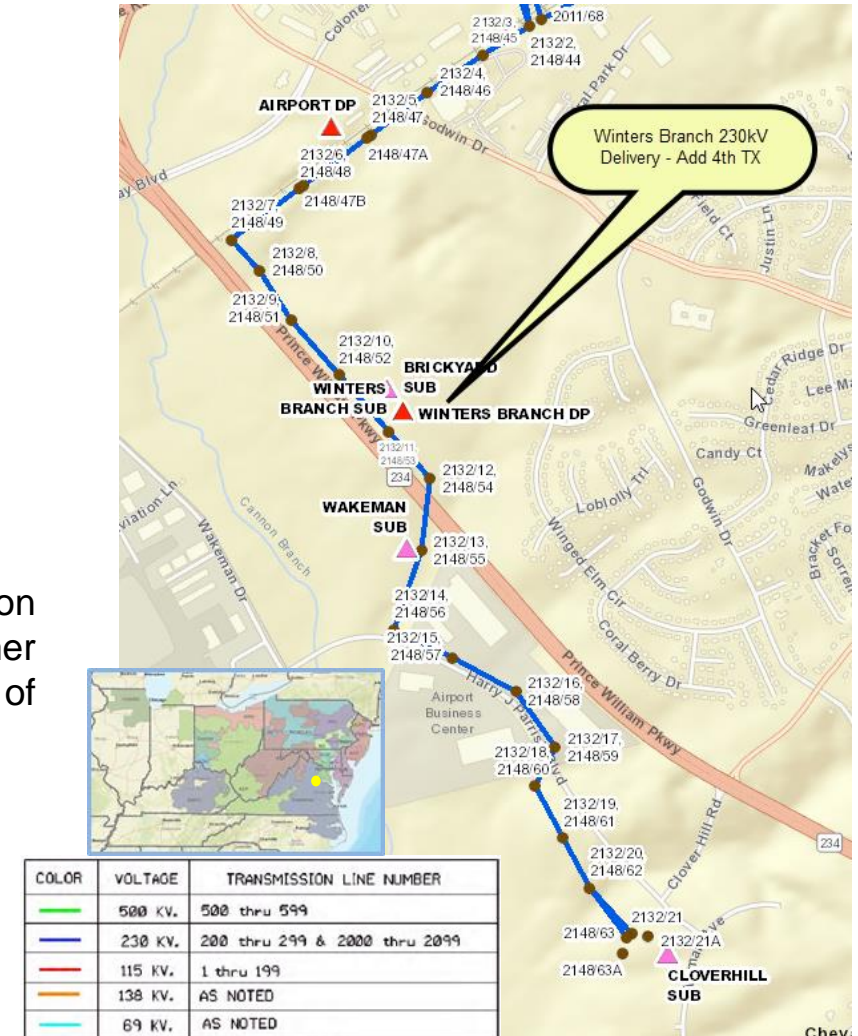
Specific Assumption References:

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 a 3rd, 84 MVA distribution transformer at Winters Branch Substation in Prince William County. The new transformer is being driven by continued load growth in the area and contingency loading for loss of one of the existing transformers. Requested in-service date is 01/01/2022.

Initial In-Service Load	Projected 2027 Load
Summer: 112 MW	Summer: 213.2 MW



Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2020-0005

Process Stage: Need Meeting 04/14/2020

Project Driver: Customer Service

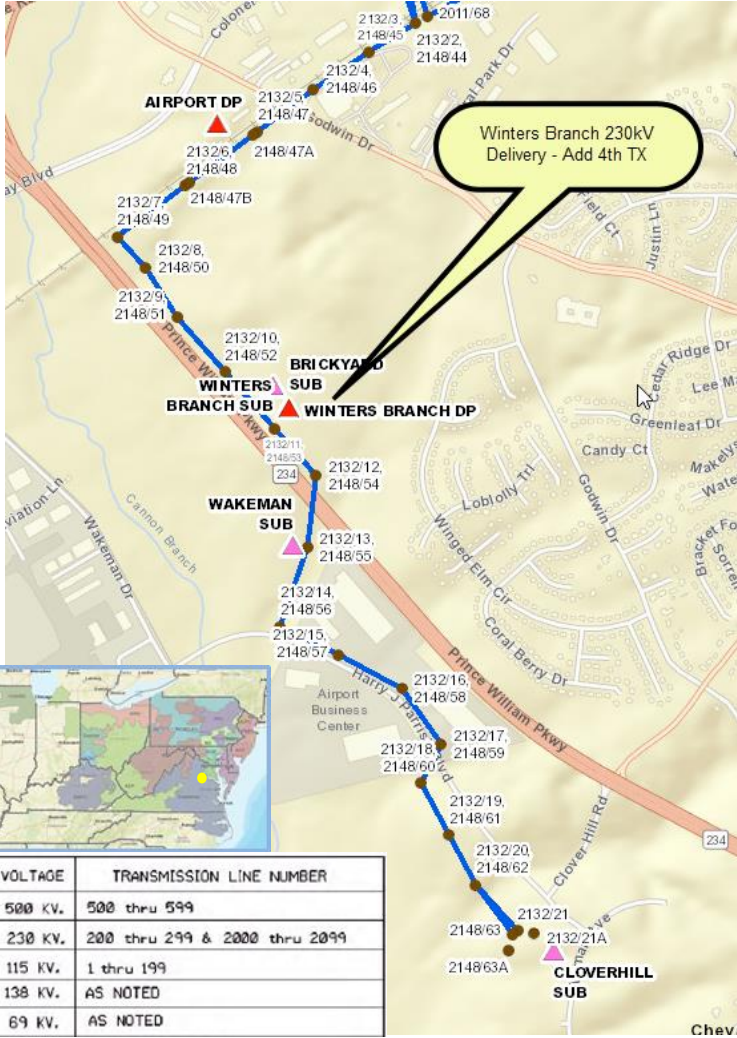
Specific Assumption References:

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 a 4th, 84 MVA distribution transformer at Winters Branch Substation in Prince William County. The new transformer is being driven by continued load growth in the area and contingency loading for loss of one of the existing transformers. Requested in-service date is 03/01/2023.

Initial In-Service Load	Projected 2028 Load
Summer: 179.5 MW	Summer: 216.5 MW



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

Need Number: DOM-2020-0008

Process Stage: Need Meeting 04/14/2020

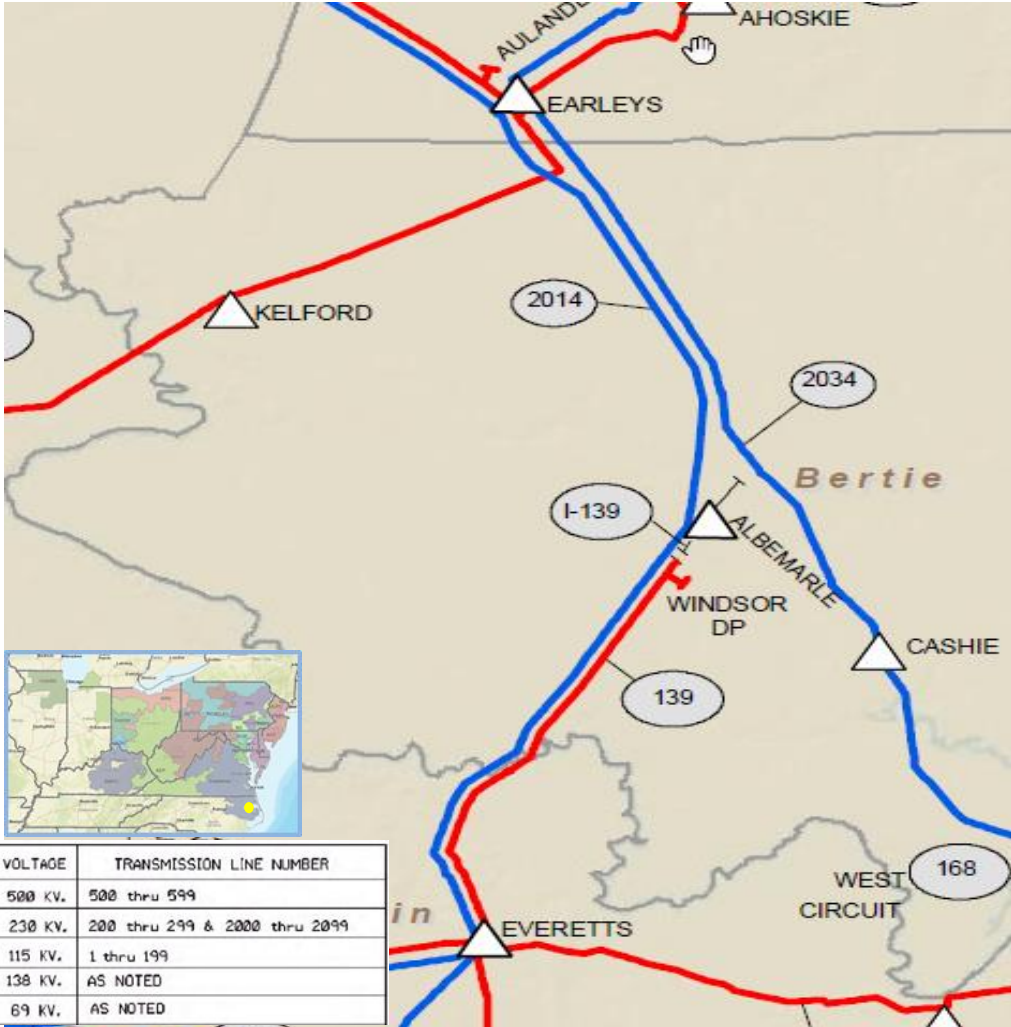
Project Driver: Equipment Material Condition, Performance and Risk

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 (existing normal summer line rating is 582 MVA).



Dominion Transmission Zone: Supplemental Other Request

Need Number: DOM-2020-0010

Process Stage: Need Meeting 04/14/2020

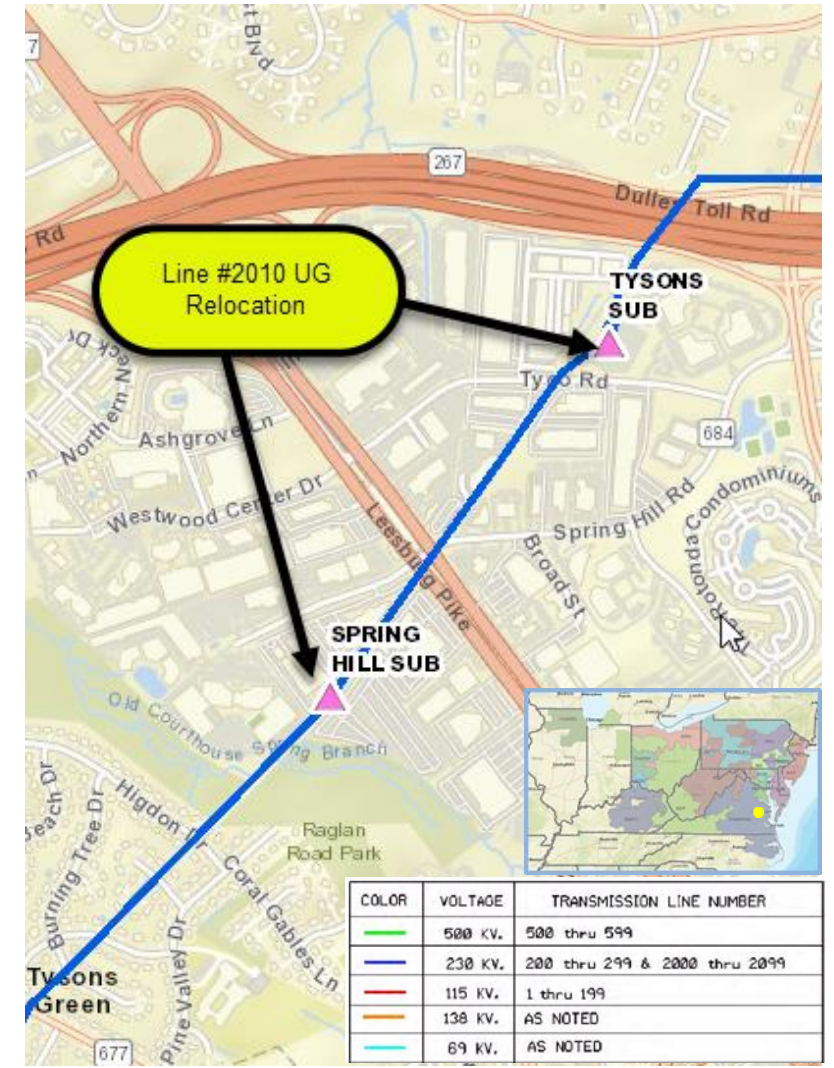
Project Driver: Other

Specific Assumption References:

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

Problem Statement:

Section 56-585.1:5 of the Virginia Code, which was enacted as part of the 2018 Grid Transformation and Security Act was amended recently by the General Assembly of Virginia and signed into Law by the Governor on March 4th 2020 to allow for additional projects to qualify for the underground transmission line pilot program authorized therein. Pursuant to this amendment, a Customer and Fairfax County have requested that the Company relocate a portion of Transmission Line #2010 between Spring Hill substation and Tysons Substation underground to enable construction of a planned mixed use development which currently encroaches on the existing overhead transmission line.



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

4/1/2020 – V1 – Original version posted to pjm.com.