

SRRTEP Committee Southern Dominion Supplemental Projects

February 17, 2022

Cancellation

Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2020-0020 (PJM Supplemental #2333)

Process Stage: **Cancellation** Meeting 02/17/2022

Previously Presented: 06/16/2020 (Need); 07/16/2020 (Solution)

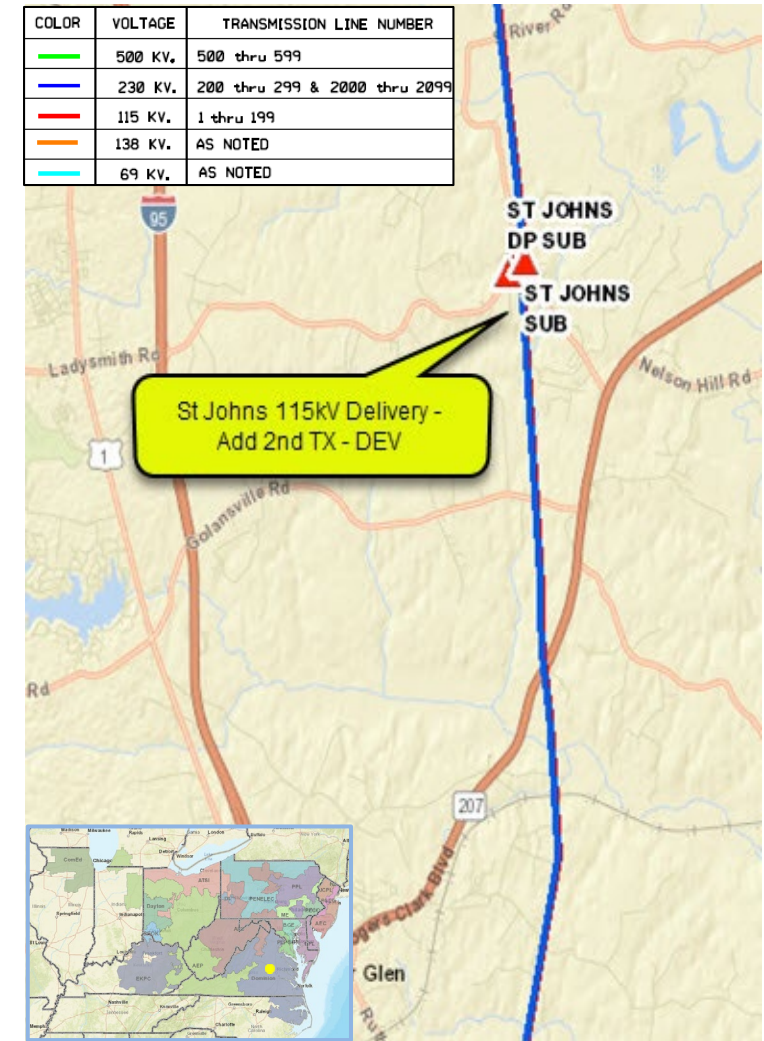
Project Driver: Customer Service

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 cancelled its DP Request to add a 2nd distribution transformer at St. Johns Substation in Caroline County.



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

Need Number: DOM-2022-0008

Process Stage: Need Meeting 02/17/2022

Project Drivers: Equipment Material Condition, Performance and Risk

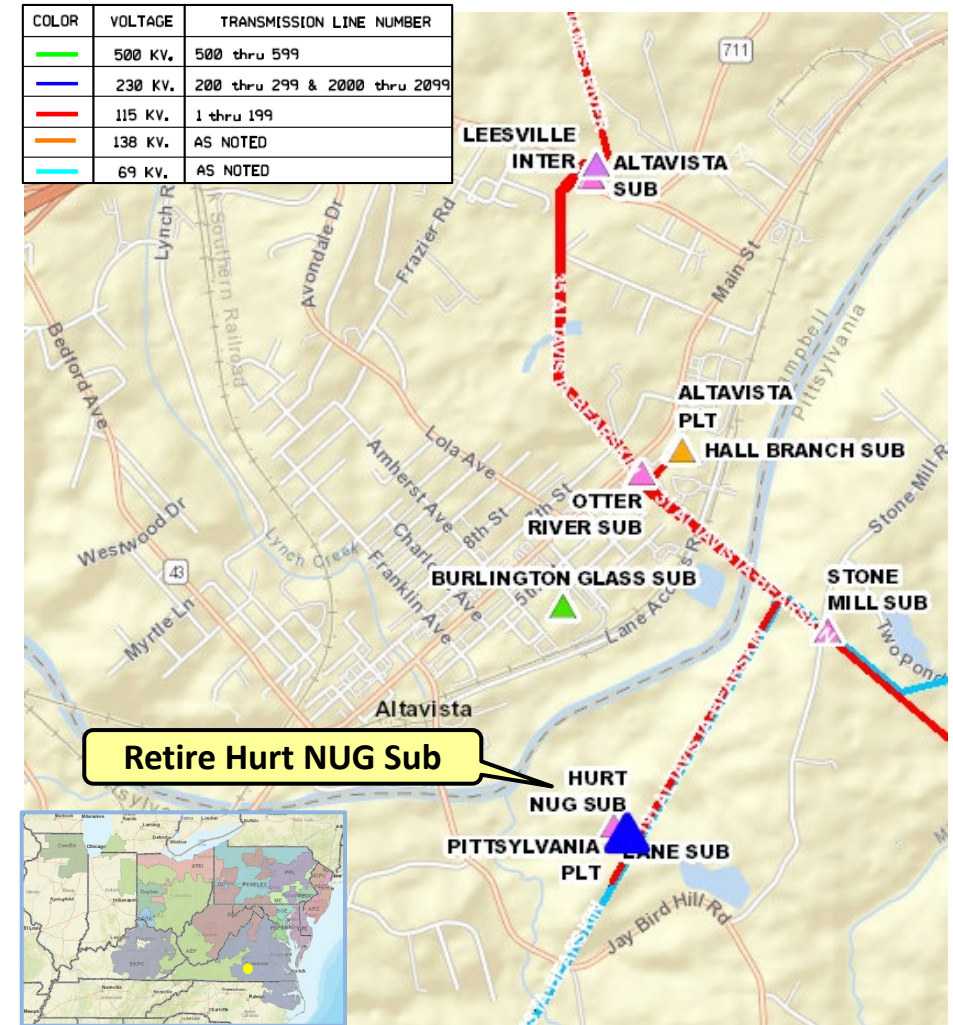
Specific Assumption References:

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 retire Hurt NUG 115kV Sub and to remove a portion of the Line #191.

- No load at Hurt NUG 115kV. The assets are no longer required, need continuous maintenance and pose risk to reliability.



Dominion Transmission Zone: Supplemental Operational Flexibility and Efficiency

Need Number: DOM-2022-0011

Process Stage: Need Meeting 02/17/2022

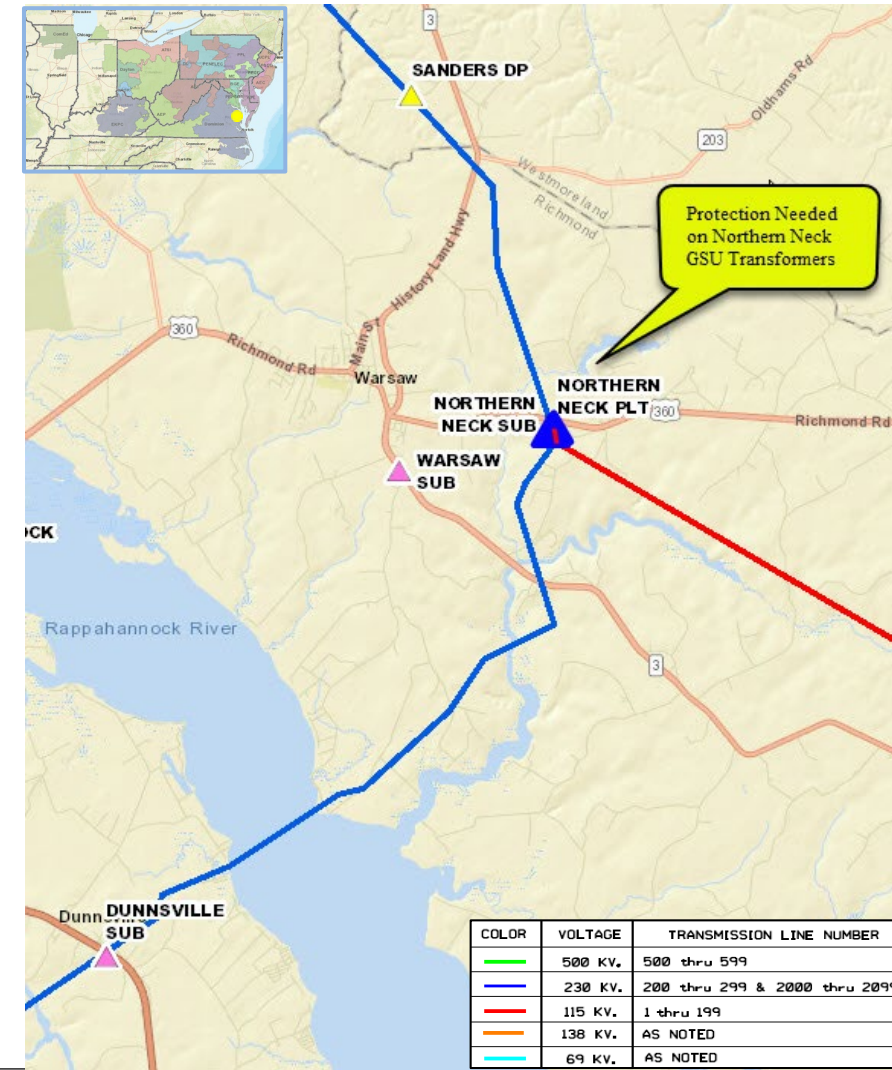
Project Driver: Operational Flexibility and Efficiency

Specific Assumption References:

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

Problem Statement:

Line #224 (Lanexa-Northern Neck) is being wrecked and rebuilt for approximately 41 miles on baseline upgrade project #b3089 and a 2nd 230kV circuit is being added in the corridor on baseline upgrade project #b3223. To support the load in the area and maintain adequate voltage during the extended construction in the Lanexa-Northern Neck corridor, a mobile statcom was installed at Northern Neck Substation and the adjacent Northern Neck generators have been called into operation. Due to the age of the Northern Neck generator installation, the transmission interconnection does not include appropriate protection on the high-side of the generator step-up transformers, resulting in the loss of the mobile statcom and all generation on multiple occasions. As a result, Dominion Energy has identified the need to install appropriate protection to provide better segmentation on the high-side of the generator step-up transformers.



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

02/07/2022 – V1 – Original version posted to pjm.com.