

Dominion Supplemental Projects

Transmission Expansion Advisory
Committee
January 9, 2024

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 Customer Load Request

Need Number: DOM-2023-0033

Process Stage: Solution Meeting 01/09/2024

Previously Presented: Need Meeting 05/09/2023

Project Driver: Customer Service

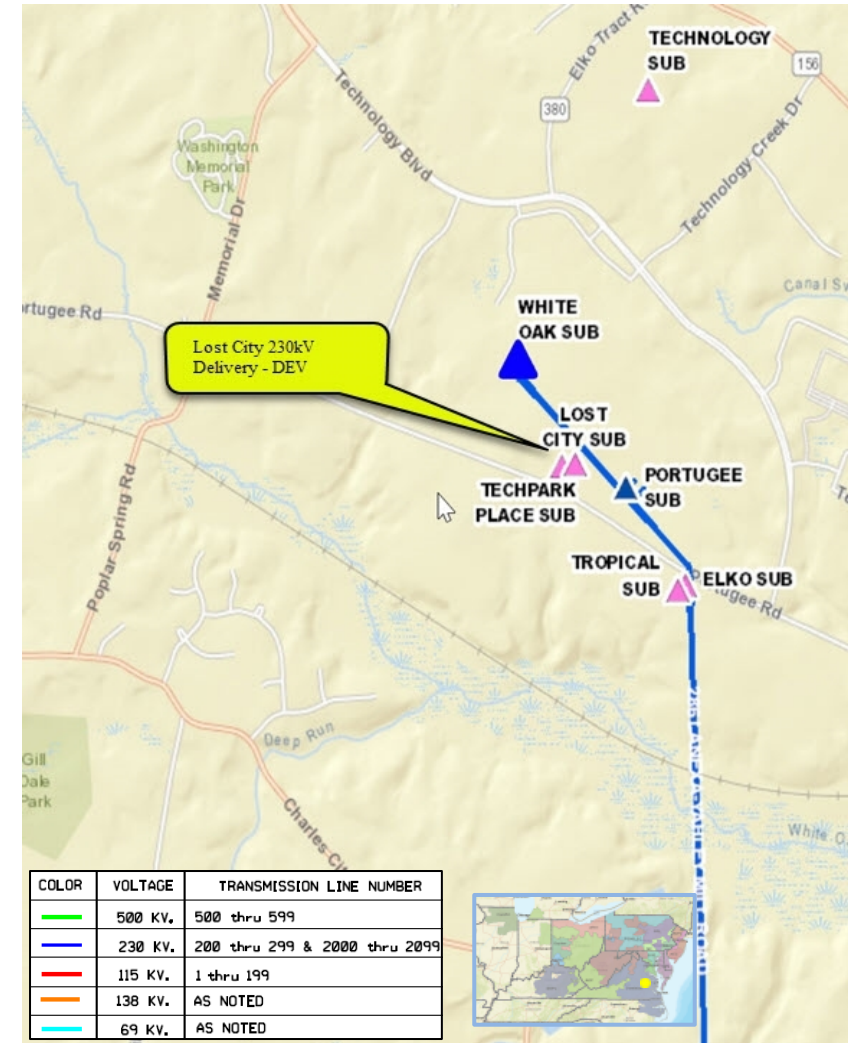
Specific Assumption References:

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 for a new substation (Lost City) to serve a data center in Henrico County with a total load in excess of 100 MW. The requested in-service date is 04/30/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 126.0 MW Winter: 0.0 MW	Summer: 192.0 MW Winter: 180.0 MW



Dominion Transmission Zone: Supplemental Lost City 230kV Delivery - DEV

Need Number: DOM-2023-0033

Process Stage: Solution Meeting 01/09/2024

Project Driver: Customer Service

Proposed Solution:

Connect the new substation by cutting existing 230kV Line 2282 (Techpark Place to White Oak) to proposed Lost City Substation. Lines to terminate in a 230kV four-breaker ring arrangement with an ultimate arrangement of a six-breaker ring.

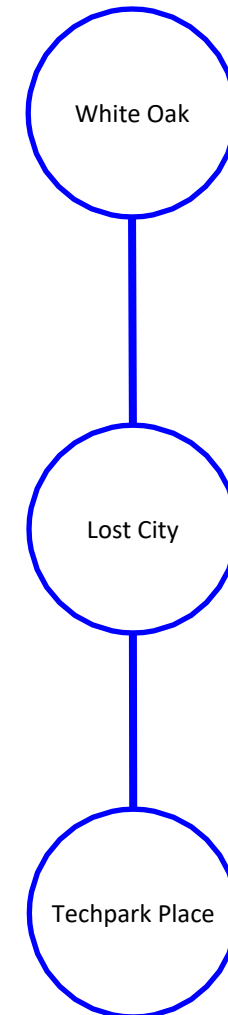
Estimated Project Cost: \$12.3M

Alternatives Considered: None, new station is adjacent to existing transmission line

Projected In-service Date: 7/01/2025

Project Status: Engineering

Model: 2028 RTEP



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

12/27/2023 – V1 – Original version posted to pjm.com