

# SRRTEP Committee Southern Dominion Supplemental Projects

July 20, 2023

# 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-2023-0036

**Process Stage:** Need Meeting 07/20/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

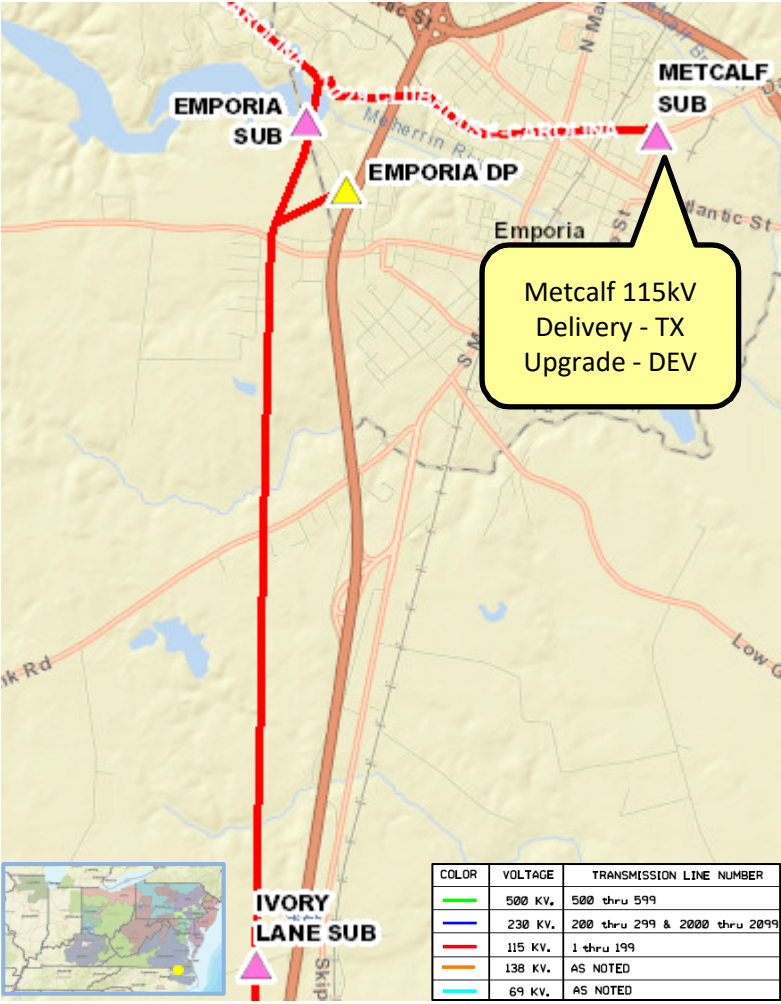
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

DEV Distribution has submitted a delivery point (DP) request to upgrade TX #1 at Metcalf Substation in Greensville County, VA. The new transformer is needed because the existing one is 52 years old and has a low THA rating.

Requested in-service date is 12/31/2024.

Initial In-Service Load	Projected 2028 Load
Summer: 7.7 MW	Summer: 8 MW
Winter: 9.9 MW	Winter: 10.3 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0041

**Process Stage:** Need Meeting 07/20/2023

**Project Driver:** Customer Service

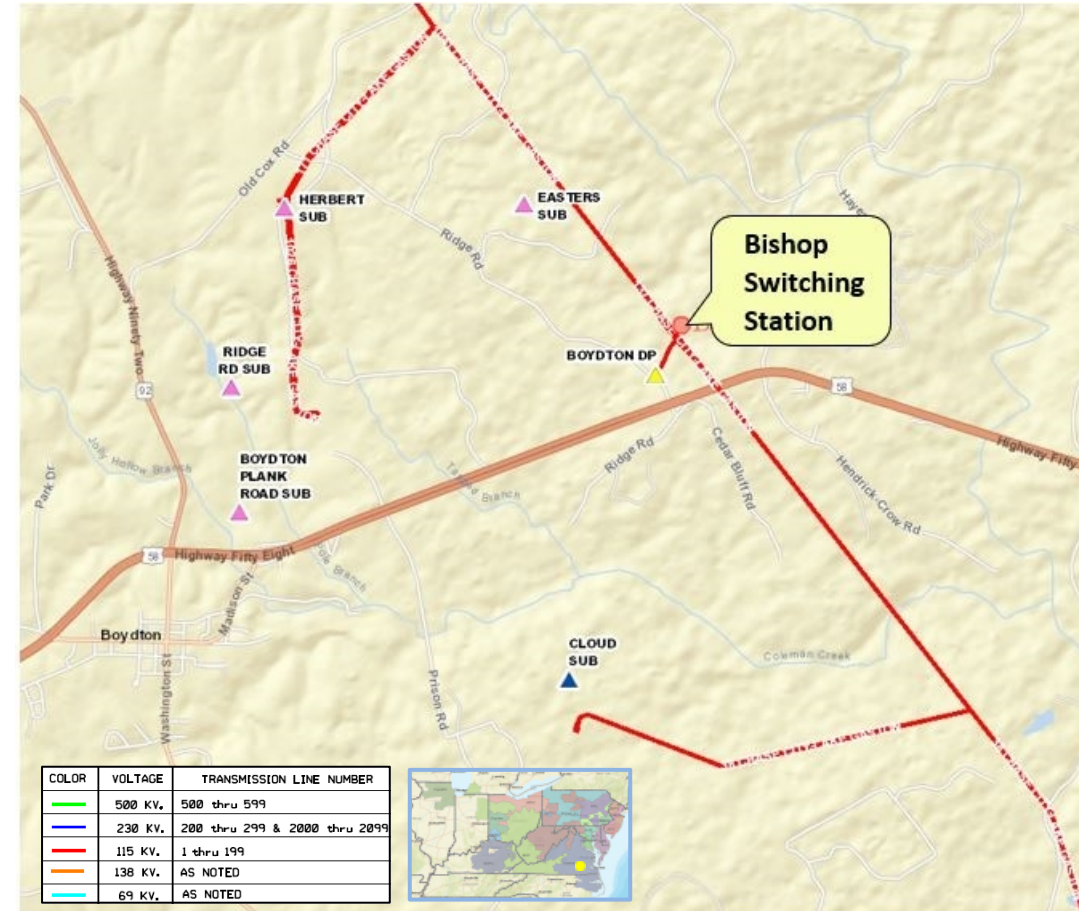
**Specific Assumption References:**

Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

ODEC on behalf of Mecklenburg Electric Coop (MEC) has submitted a delivery point (DP) request to serve a Data Center load at Mecklenburg County, VA. Final load is 48 MW, and the requested in-service date is 01/01/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 12 MW	Summer: 48 MW
Winter: 12 MW	Winter: 48 MW



# 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-2023-0028

**Process Stage:** Solution Meeting 07/20/2023

**Previously Presented:** Need Meeting 04/20/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

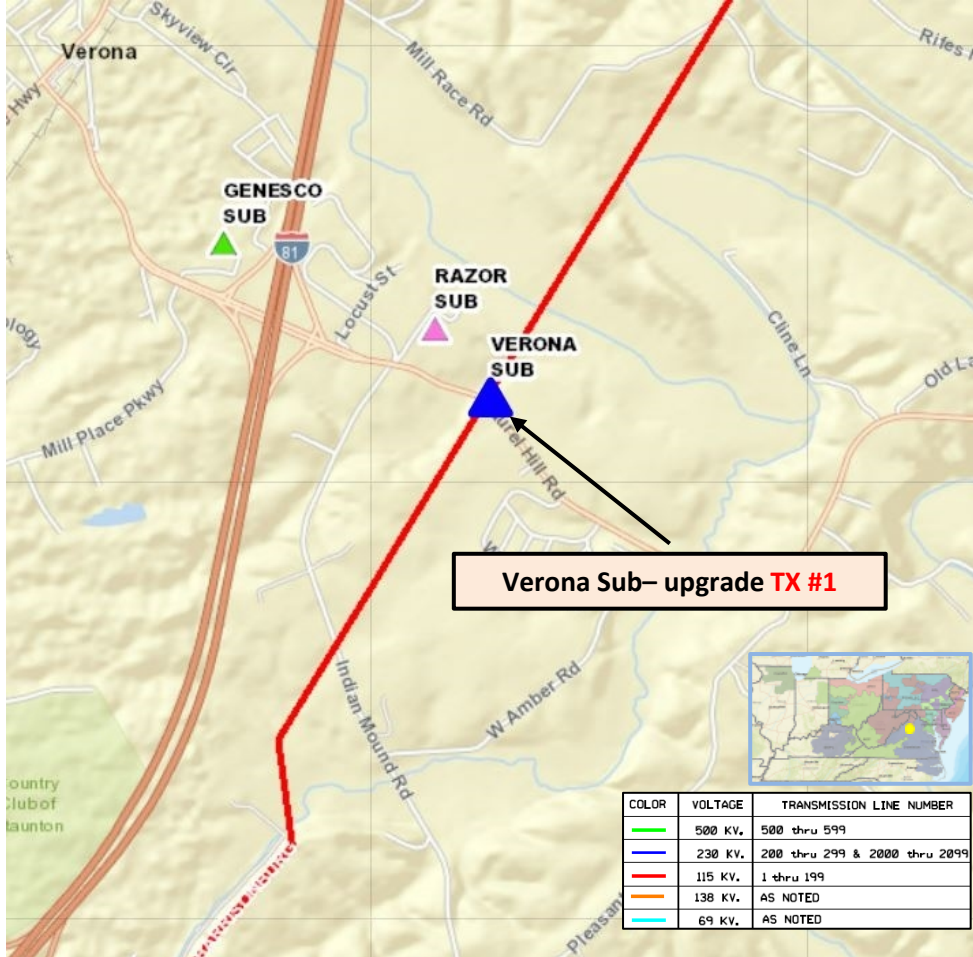
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

Dominion Distribution has submitted a delivery point request to upgrade TX #1 at Verona substation in Augusta County, Virginia. The upgrade is being driven by increasing customer load.

Requested in-service date is 06/30/2024.

Initial In-Service Load	Projected 2028 Load
Summer: 35.2 MW	Summer: 36.2 MW



# Dominion Transmission Zone: Supplemental Upgrade Verona TX#1 - DEV

**Need Number:** DOM-2023-0028

**Process Stage:** Solution Meeting 07/20/2023

**Proposed Solution:**

Replace the 65A fuse H111 on high-side of Verona transformer #1 with a 1200A, 25kA circuit switcher and upgrade 600A switch H114 with a motor operated switch.

**Estimated Project Cost:** \$0.35M

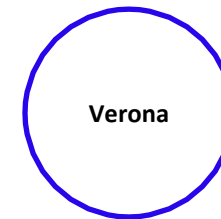
**Alternatives Considered:**

No feasible alternatives

**Projected In-service Date:** 06/30/2024

**Project Status:** Conceptual

**Model:** RTEP 2027





# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0030

**Process Stage:** Solution Meeting 07/20/2023

**Previously Presented:** Need Meeting 04/20/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

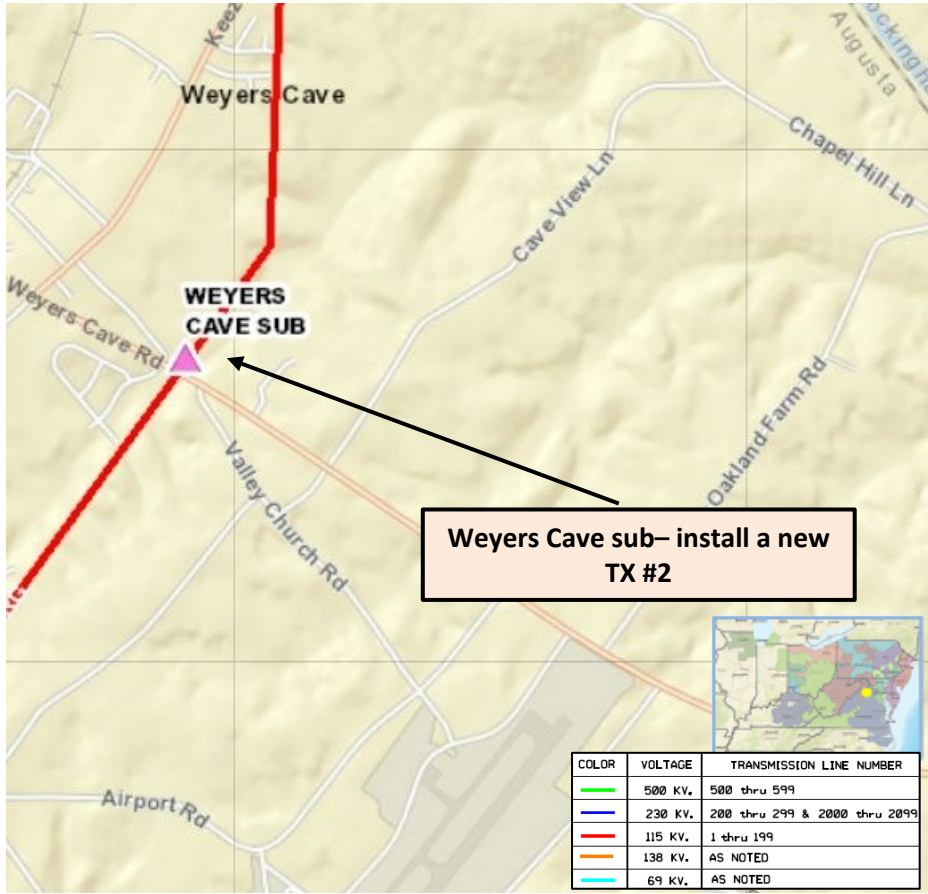
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

Dominion Distribution has submitted a delivery point request to install a 2<sup>nd</sup> transformer at Weyers Cave Substation in Augusta County, Virginia. The upgrade is being driven by increasing customer load.

Requested in-service date is 12/31/2024.

Initial In-Service Load	Projected 2028 Load
Summer: 28.8 MW	Summer: 29.2 MW





# Dominion Transmission Zone: Supplemental Weyers Cave – Install 2<sup>nd</sup> TX - DEV

**Need Number:** DOM-2023-0030

**Process Stage:** Solutions Meeting 07/20/2023

**Proposed Solution:**

Install a 1200A, 25kA circuit switcher, high side switch, bus work and associated equipment on the 115kV high-side of the new 115/34.5kV transformer.

**Estimated Project Cost:** \$0.85M

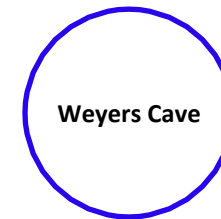
**Alternatives Considered:**

No feasible alternatives

**Projected In-service Date:** 12/31/2024

**Project Status:** Conceptual

**Model:** RTEP 2027



# 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

07/07/2023 – V1 – Original version posted to pjm.com.