

# Dominion Supplemental Projects

Transmission Expansion Advisory  
Committee  
March 7, 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-2023-0006

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

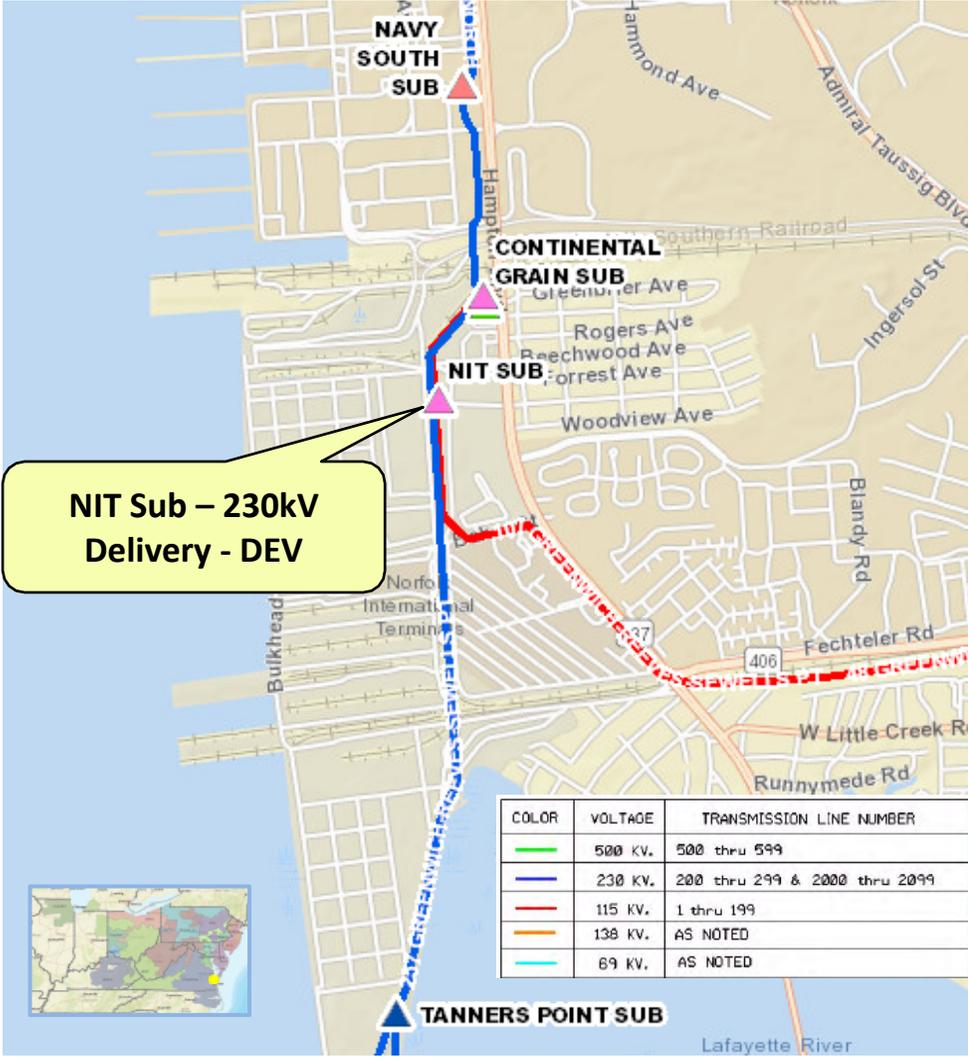
**Specific Assumption References:**

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 request for a new substation (NIT) in Norfolk, VA with a total load less than 100MW. The customer requests service by June 1, 2025.

Initial In-Service Load	Projected 2028 Load
Summer: 49.3 MW	Summer: 49.3 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0007

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

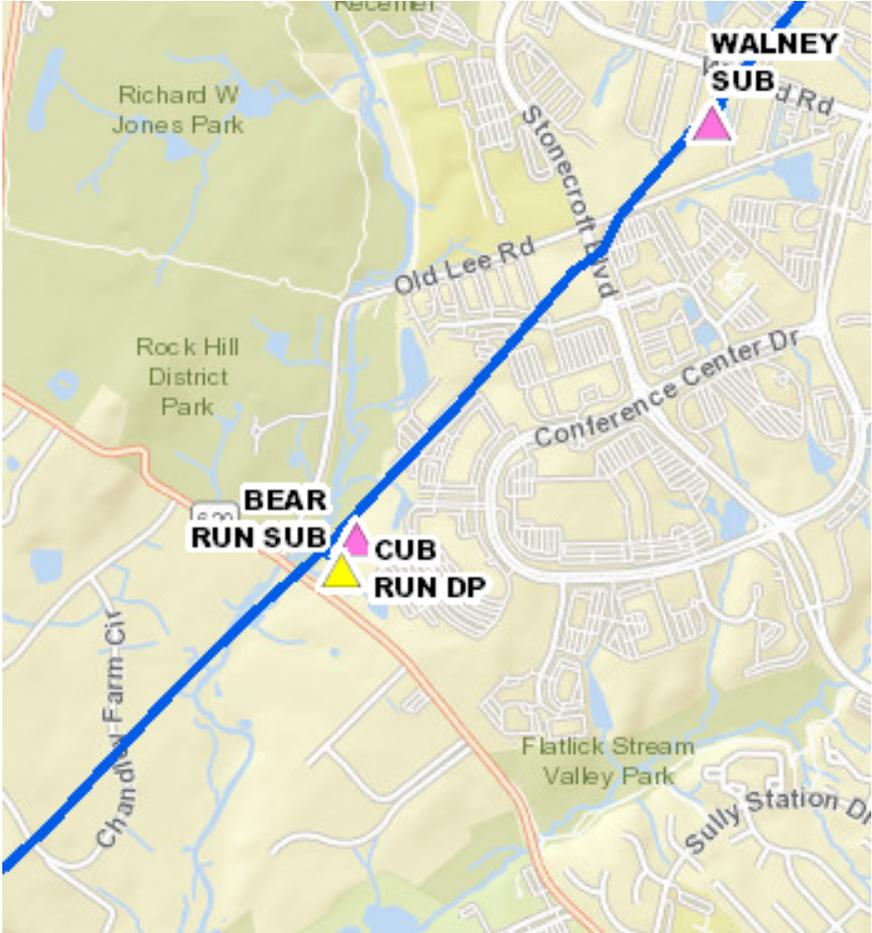
**Specific Assumption References:**

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

**Problem Statement:**

NOVEC has submitted a Delivery Point (DP) Request stating that it is expanding Cub Run Substation in Fairfax County and the total load will exceed 100MW. Requested in-service date is 3/15/2024.

Initial In-Service Load	Projected 2028 Load
Summer: 45.0 MW	Summer: 90.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0015

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

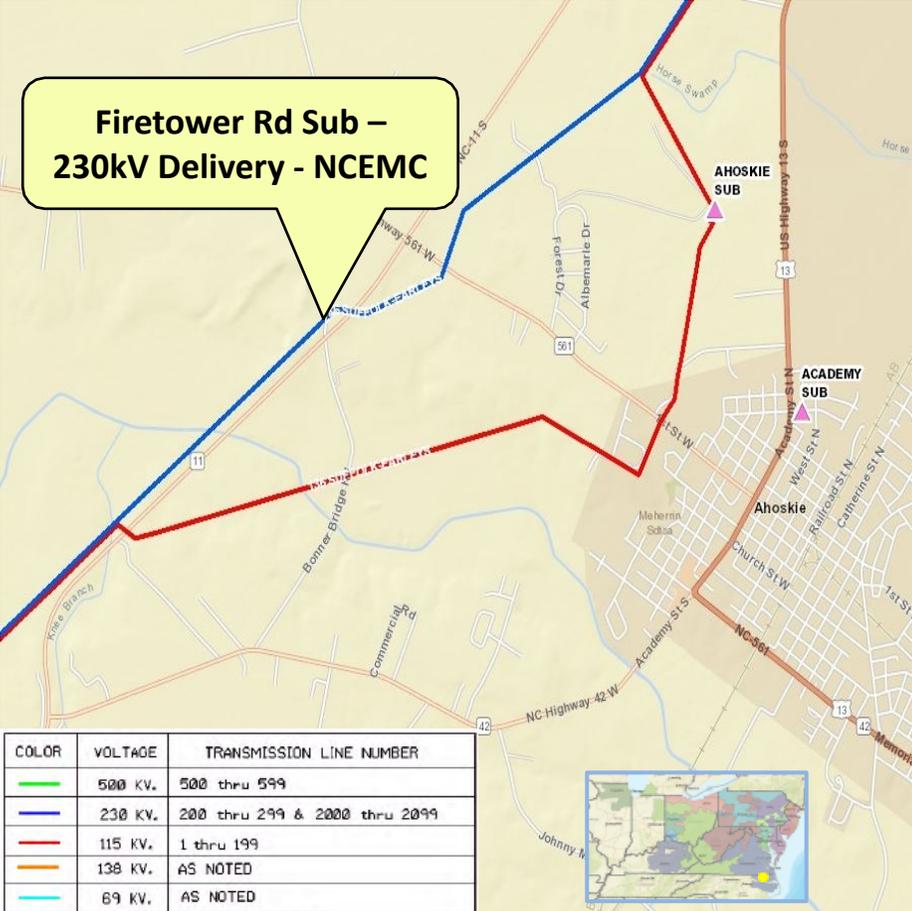
**Specific Assumption References:**

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

**Problem Statement:**

NCEMC has submitted a delivery point request for a new substation (Firetower Rd) to serve a gas compression facility in Ahoskie, NC. The total load is less than 100 MW. The customer requests service by December 31, 2023.

Initial In-Service Load	Projected 2028 Load
Winter: 8.1 MW	Summer: 8.1 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0019

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

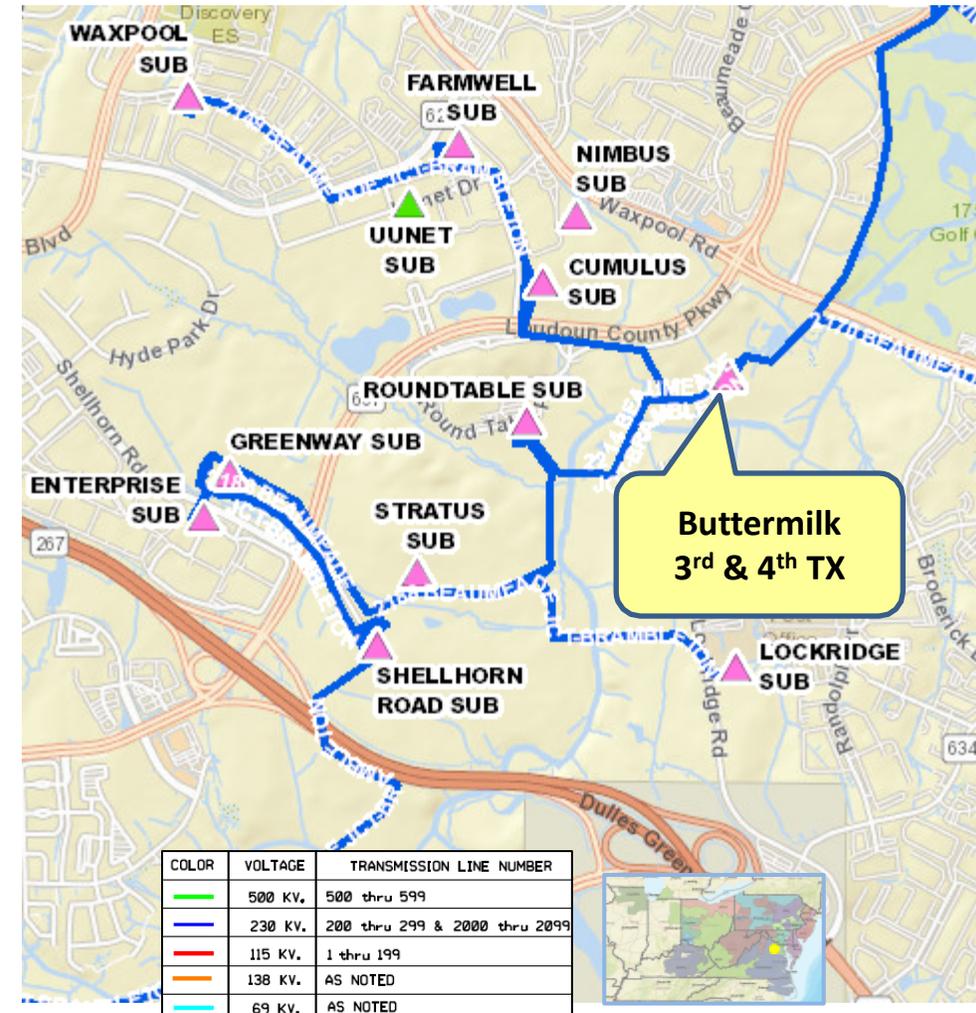
**Specific Assumption References:**

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 to add the 3<sup>rd</sup> and 4<sup>th</sup> distribution transformers at Buttermilk Substation in Loudoun County. The new transformer is being driven by continued load growth in the area. Requested in-service date is 12/15/2024.

Initial In-Service Load	Projected 2028 Load
Summer: 128.0 MW	Summer: 147.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0020

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

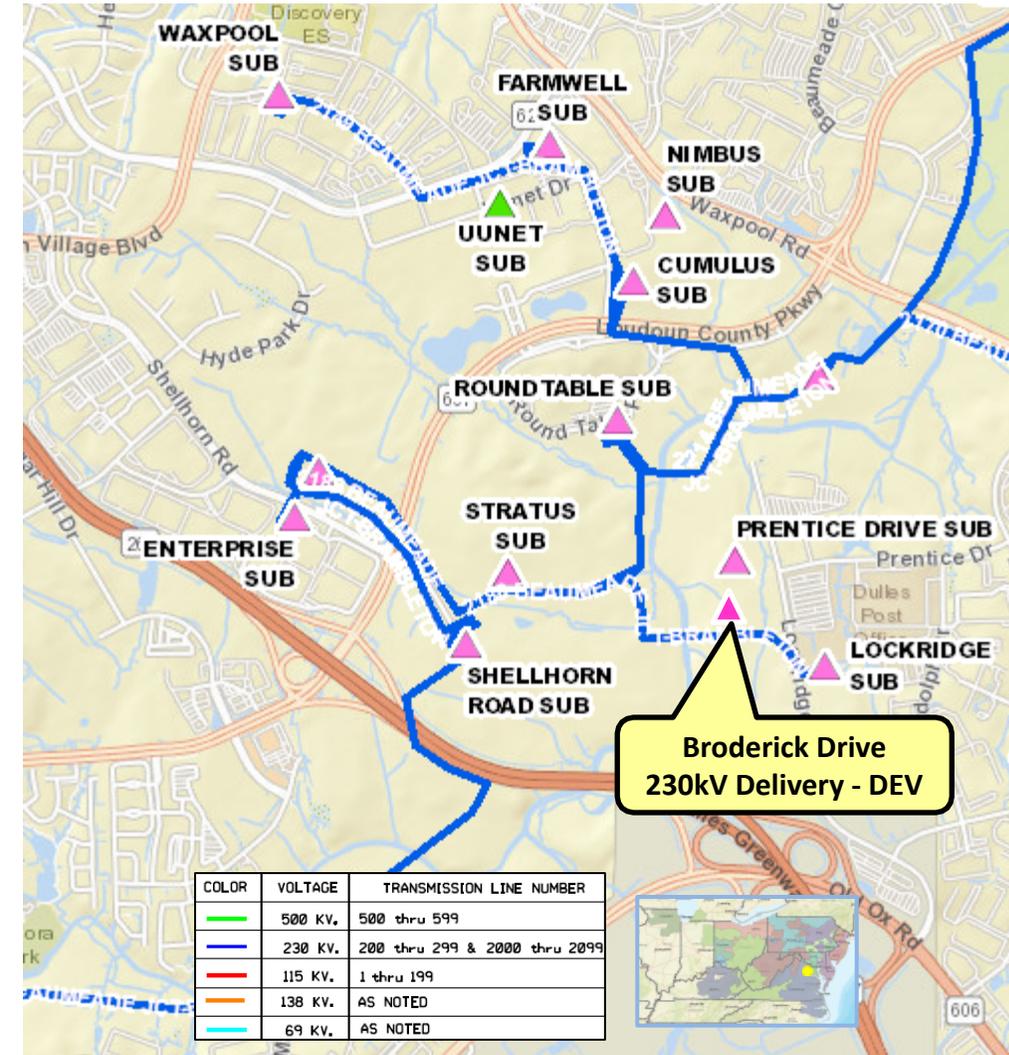
**Specific Assumption References:**

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 (Broderick Drive) to serve a data center campus in Loudoun County with a total load in excess of 100 MW. Requested in-service date is 03/01/2026.

Initial In-Service Load	Projected 2028 Load
Summer: 8.0 MW	Summer: 112.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0008

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

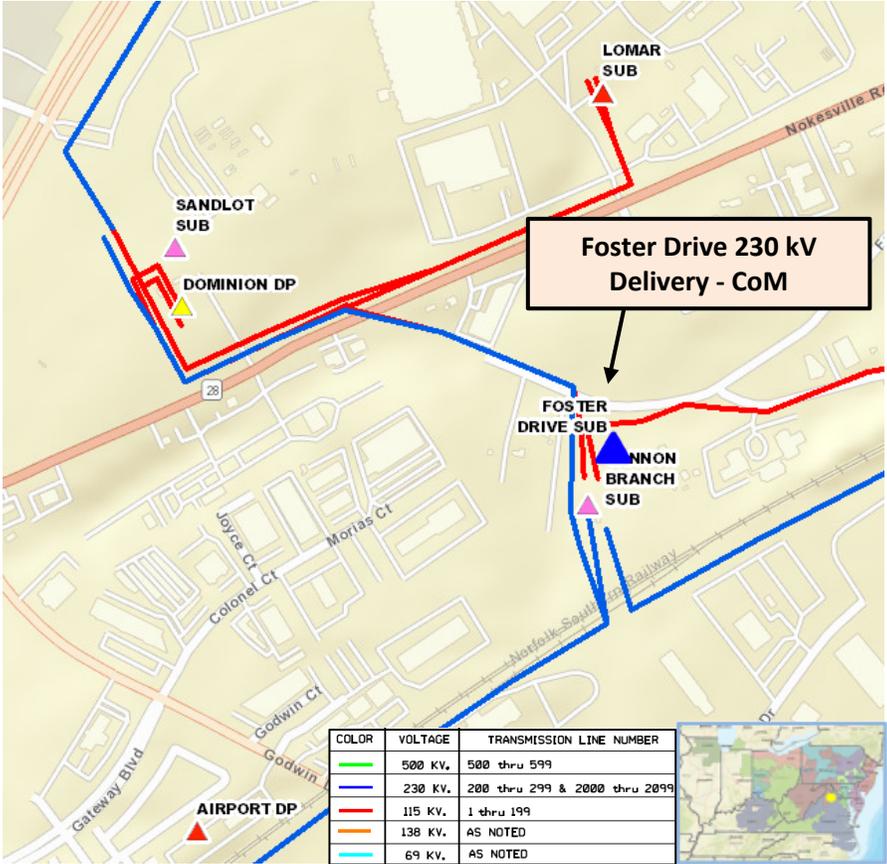
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

The City of Manassas has submitted a DP Request for a new substation (Foster Drive) to serve a data center complex in Manassas with a total load in excess of 100 MW.

Requested in-service date is 03/31/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 100.0 MW	Summer: 260.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0009

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

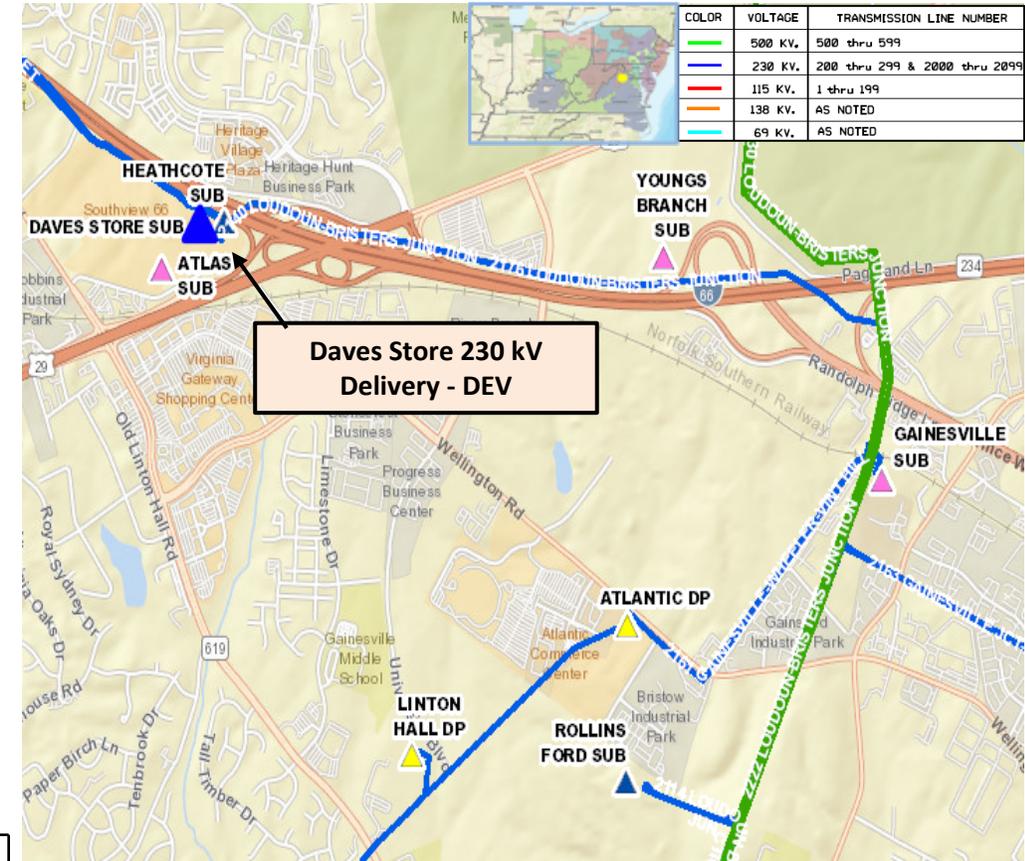
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

DEV Distribution has submitted a DP Request for a new substation (Daves Store) to serve a data center complex in Gainesville with a total load in excess of 100 MW.

Requested in-service date is 06/01/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 90.0 MW	Summer: 248.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0010

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

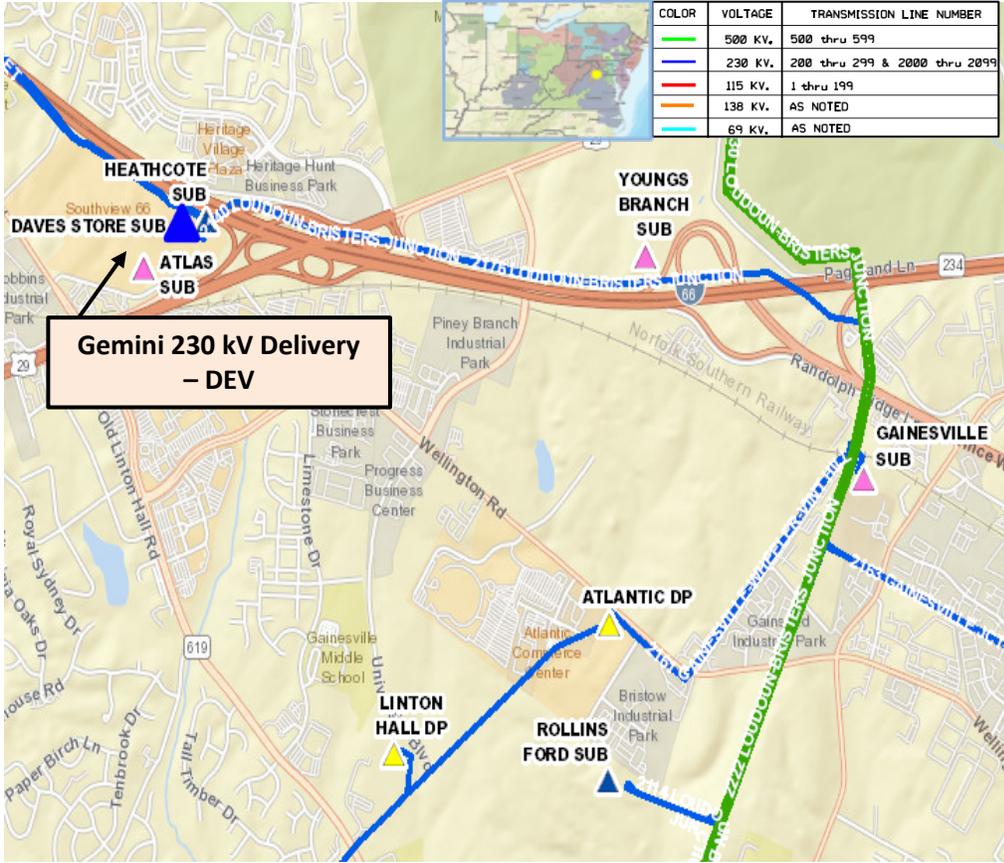
**Specific Assumption References:**

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 (Gemini) to serve a data center complex in Gainesville with a total load in excess of 100 MW.

Requested in-service date is 08/01/2026.



Initial In-Service Load	Projected 2028 Load
Summer: 30.0 MW	Summer: 223.0 MW

# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0011

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

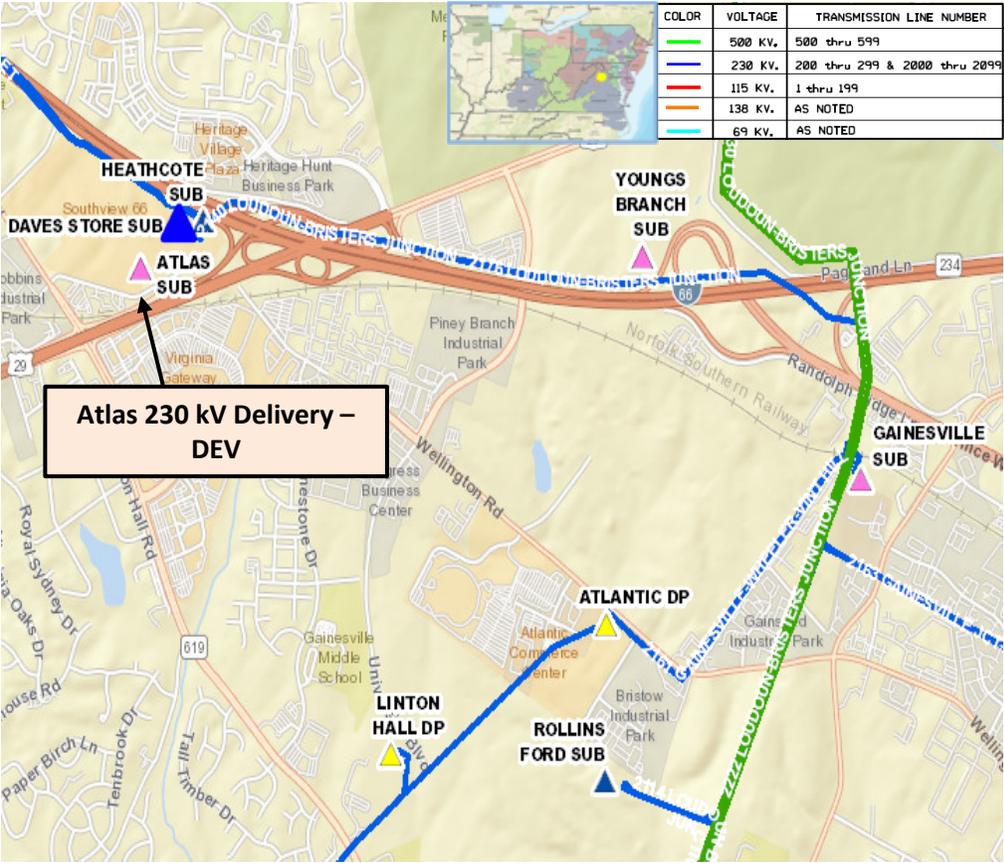
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

DEV Distribution has submitted a DP Request for a new substation (Atlas) to serve a data center complex in Gainesville with a total load in excess of 100 MW.

Requested in-service date is 04/01/2028.

Initial In-Service Load	Projected 2028 Load
Summer: 70.0 MW	Summer: 70.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0012

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

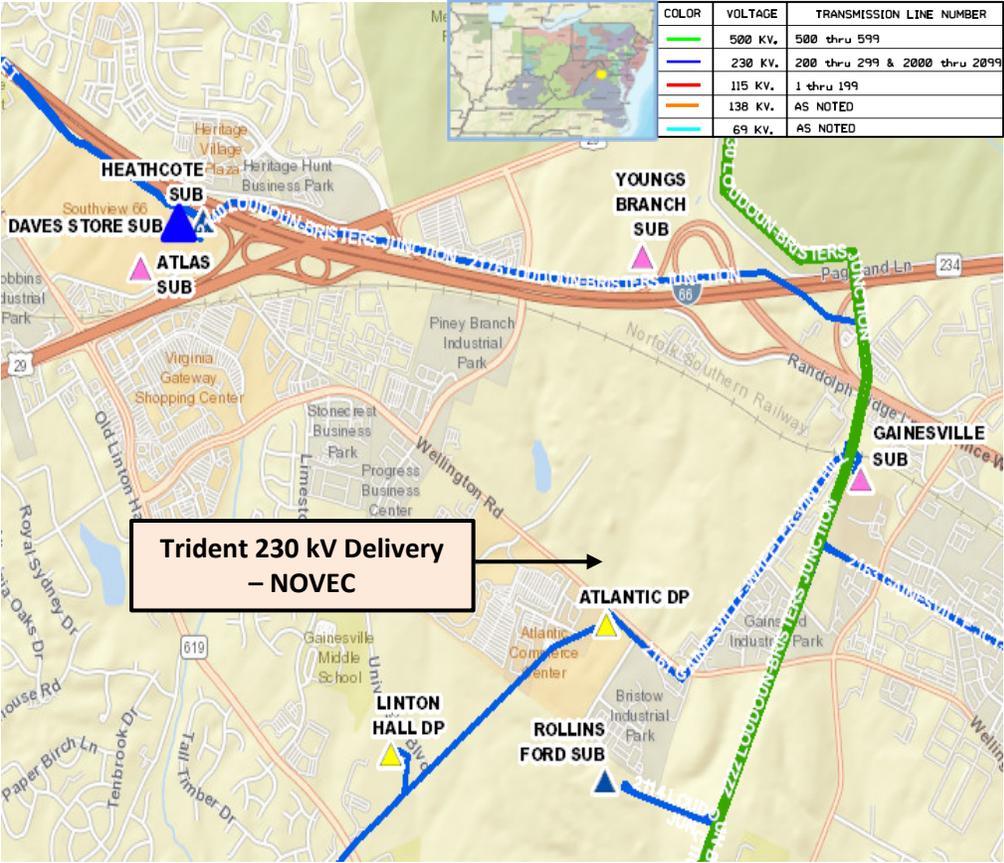
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

NOVEC has submitted a DP Request for a new substation (Trident) to serve a data center complex in Bristow with a total load in excess of 100 MW.

Requested in-service date is 04/01/2026.

Initial In-Service Load	Projected 2028 Load
Summer: 85.0 MW	Summer: 178.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0013

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

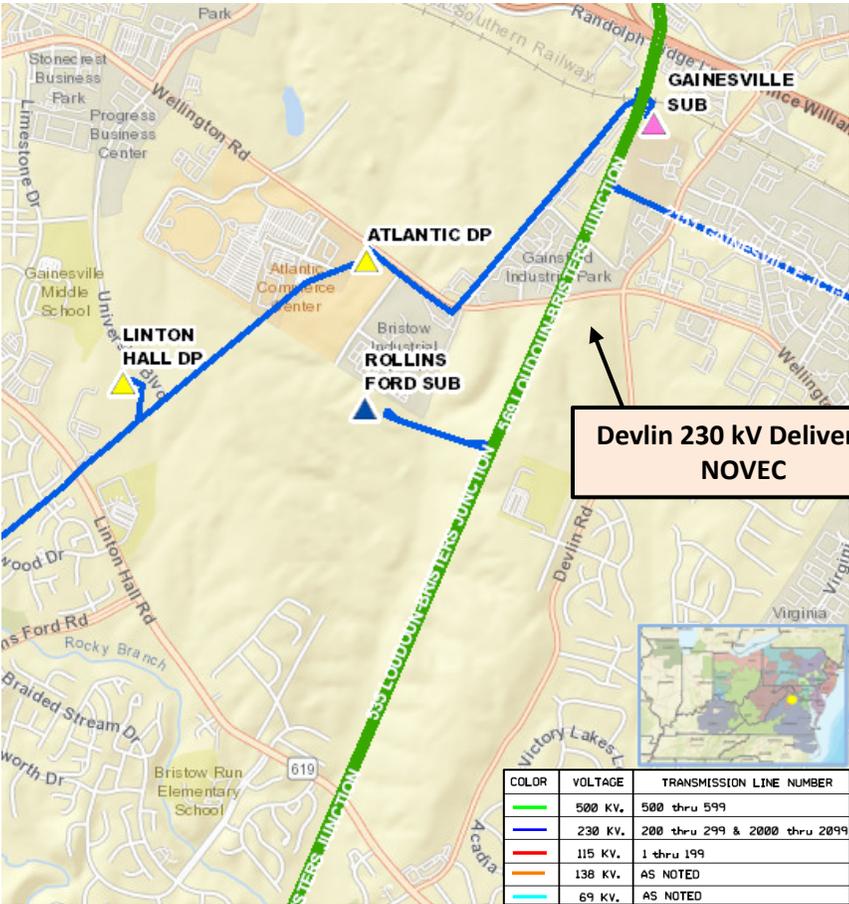
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

NOVEC has submitted a DP Request for a new substation (Devlin) to serve a data center complex in Bristow with a total load in excess of 100 MW.

Requested in-service date is 05/01/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 60.0 MW	Summer: 147.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0014

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

**Specific Assumption References:**

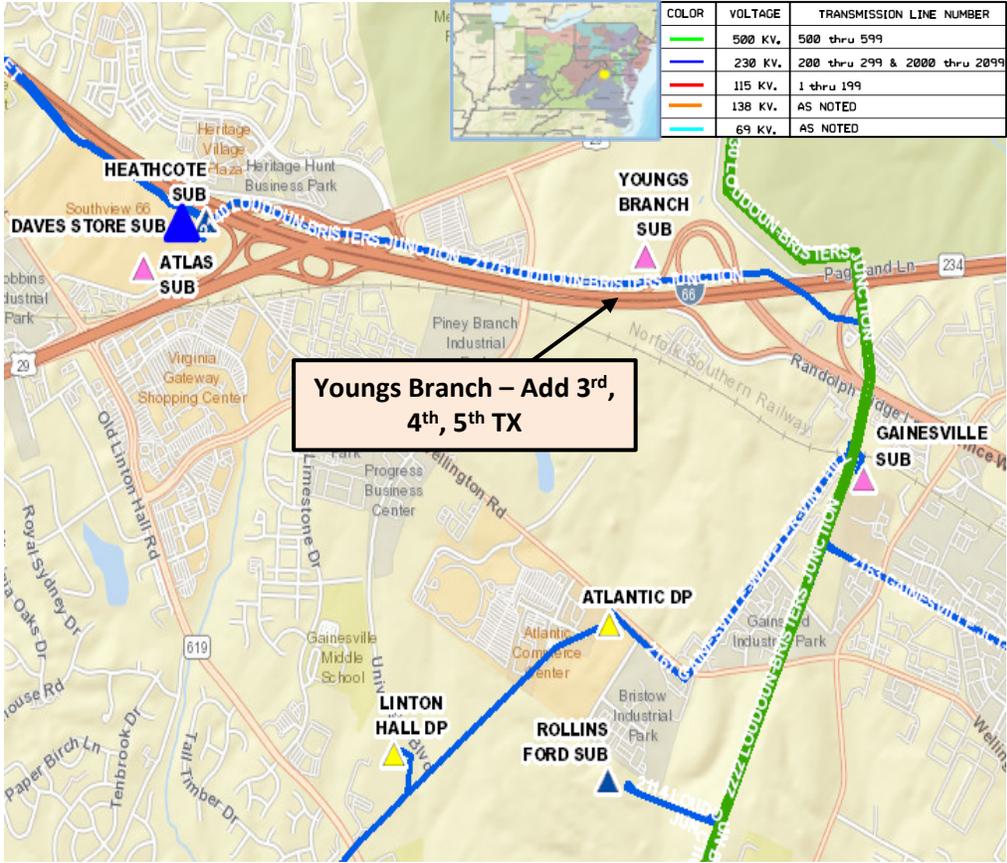
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

**Problem Statement:**

DEV Distribution has submitted a DP Request to add a 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> distribution transformer at Youngs Branch Substation in Gainesville. The new transformers are being driven by significant area load growth.

Requested in-service date is 07/01/2024.

Initial In-Service Load	Projected 2028 Load
Summer: 193.0 MW	Summer: 275.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0018

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

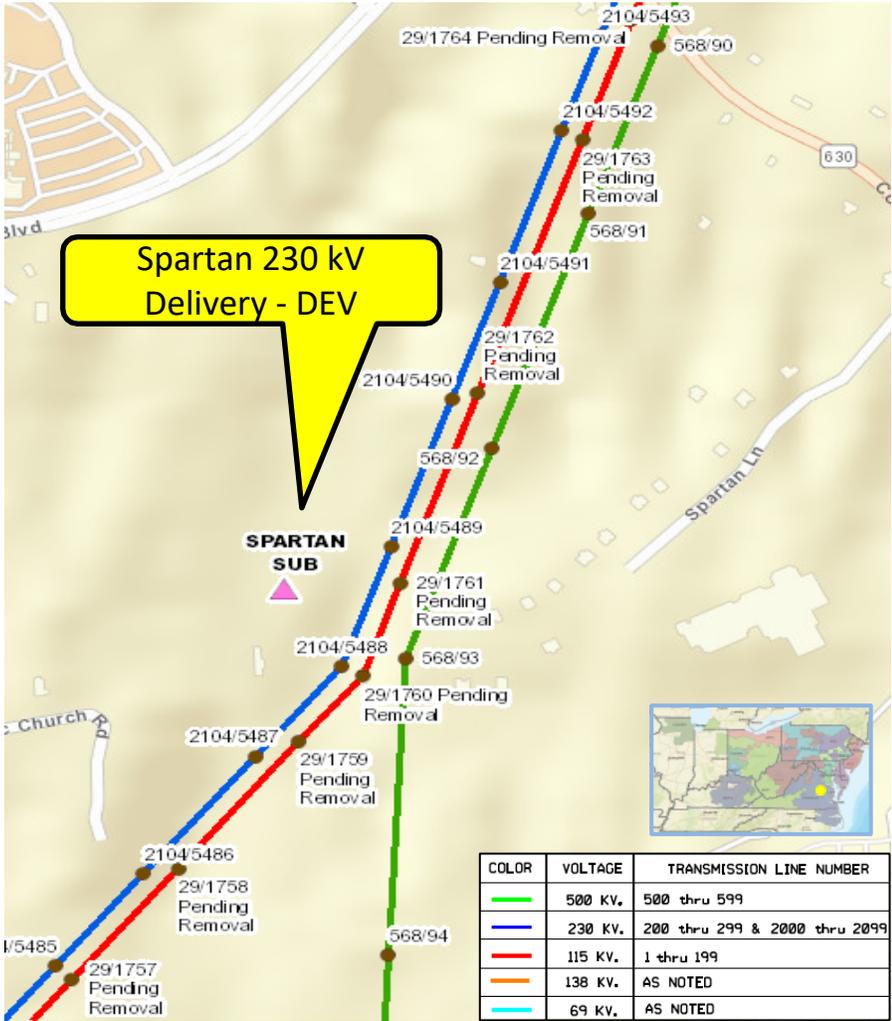
**Specific Assumption References:**

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 (Spartan) to serve a new data center in Stafford County with a total load in excess of 100 MW. The requested in-service date is 05/02/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 69.0 MW	Summer: 110.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0016

**Process Stage:** Need Meeting 03/07/2023

**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:**

Rappahannock Electric Cooperative (REC) has submitted a DP Request for a new substation (New Post) to serve a data center in Spotsylvania County with a total load in excess of 100 MW. The requested in-service date is 05/01/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 33.0 MW	Summer: 248.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0017

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

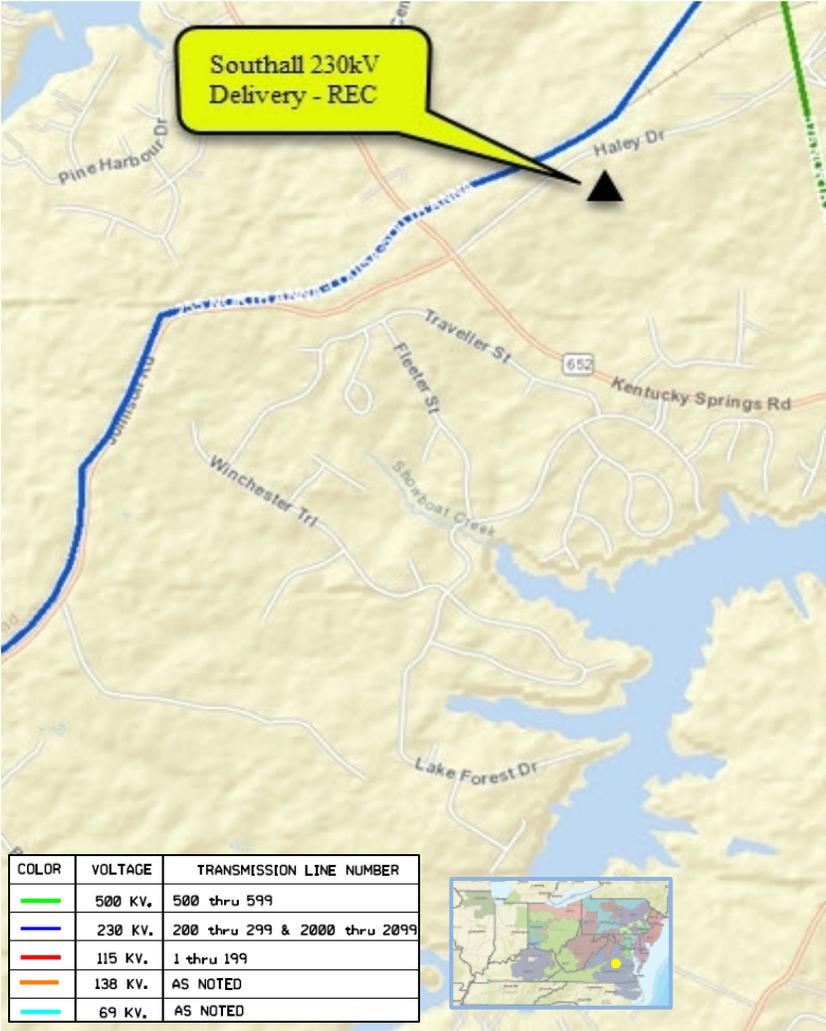
**Specific Assumption References:**

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

**Problem Statement:**

Rappahannock Electric Cooperative (REC) has submitted a DP Request for a new substation (Southall) to serve a data center in Louisa County with a total load in excess of 100 MW. The requested in-service date is 05/01/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 11.0 MW	Summer: 220.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0022

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

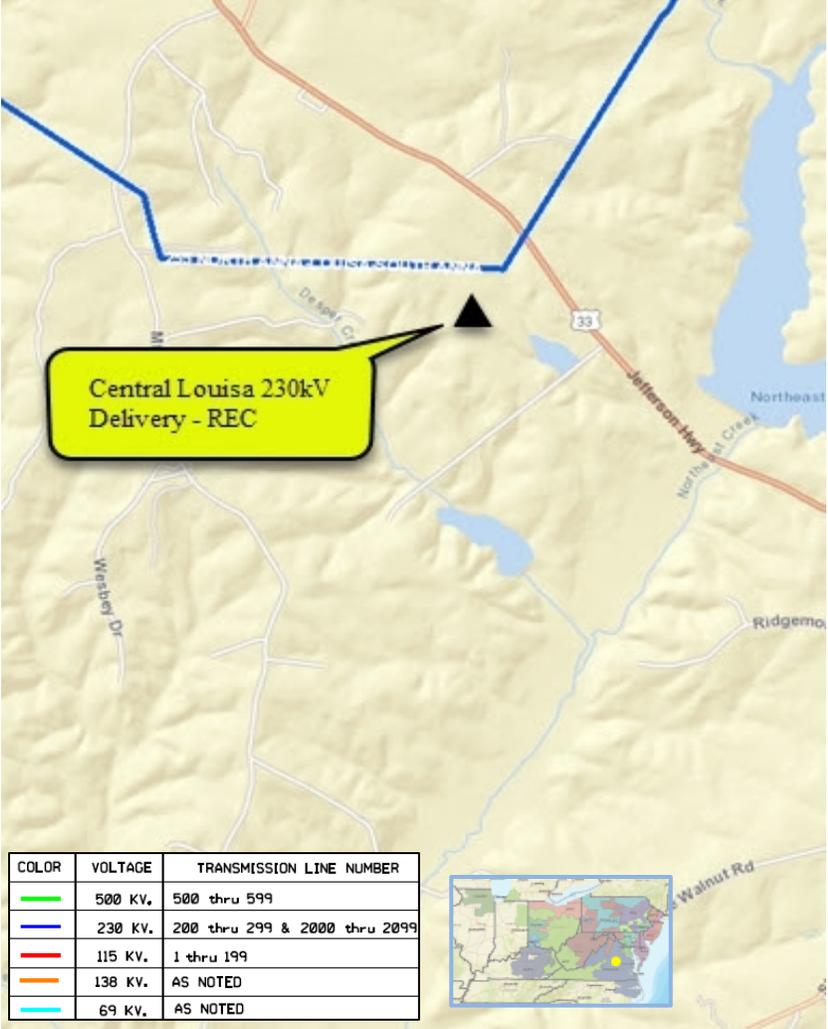
**Specific Assumption References:**

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

**Problem Statement:**

Rappahannock Electric Cooperative (REC) has submitted a DP Request for a new substation (Central Louisa) to serve a data center in Louisa County with a total load in excess of 100 MW. The requested in-service date is 05/01/2026.

Initial In-Service Load	Projected 2028 Load
Summer: 11.0 MW	Summer: 138.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0023

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

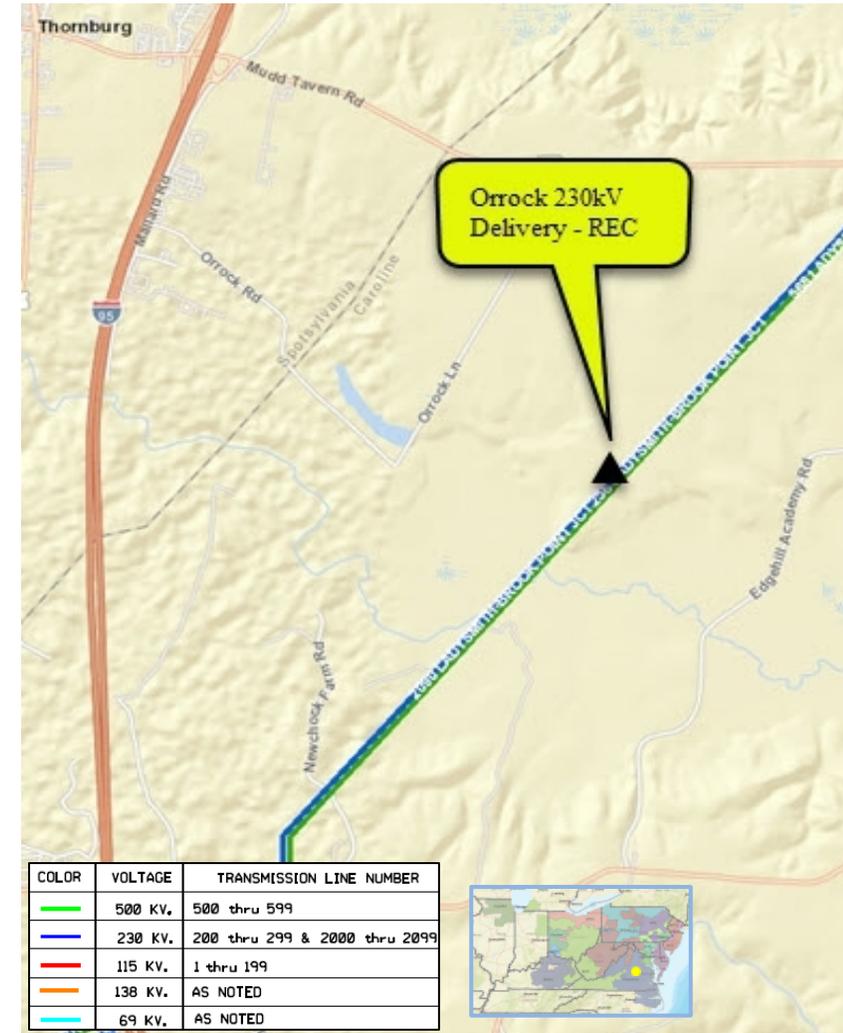
## Specific Assumption References:

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

## Problem Statement:

Rappahannock Electric Cooperative (REC) has submitted a DP Request for a new substation (Orrock) to serve a data center in Caroline County with a total load in excess of 100 MW. The requested in-service date is 01/01/2026.

Initial In-Service Load	Projected 2028 Load
Summer: 33.0 MW	Summer: 116.0 MW



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number:** DOM-2023-0024

**Process Stage:** Need Meeting 03/07/2023

**Project Driver:** Customer Service

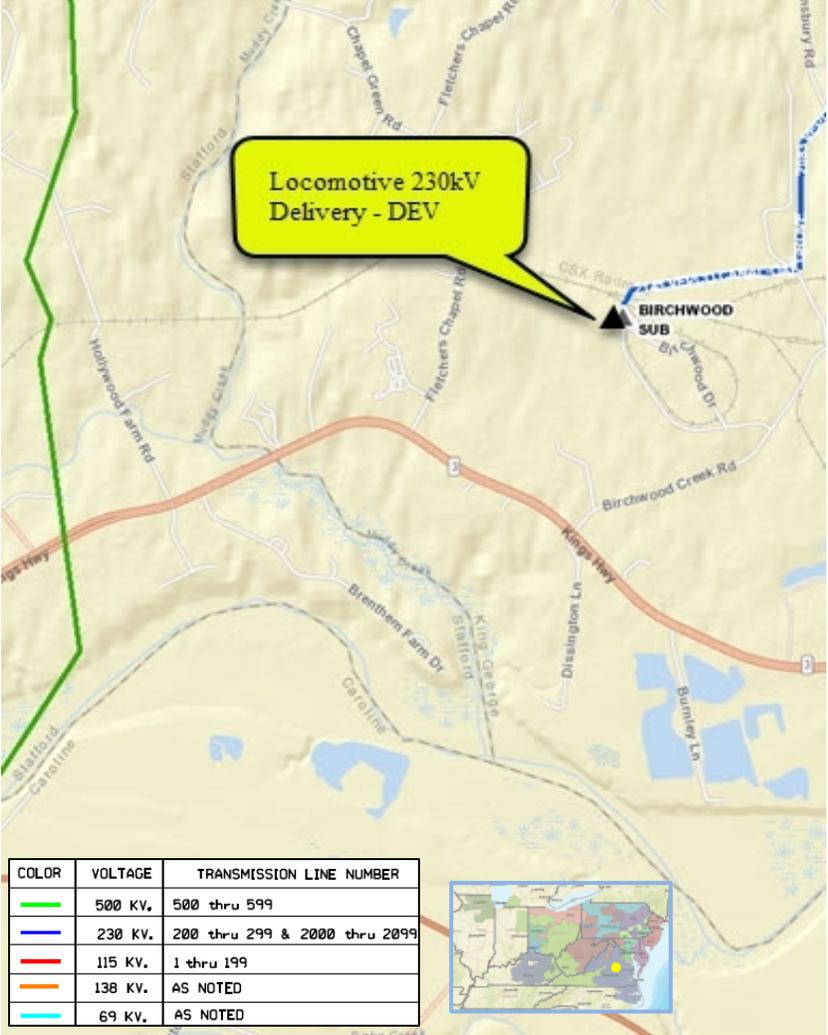
**Specific Assumption References:**

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 (Locomotive) to serve a data center in King George County with a total load in excess of 100 MW. The requested in-service date is 05/01/2025.

Initial In-Service Load	Projected 2028 Load
Summer: 6.0 MW	Summer: 84.0 MW



# 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

02/24/2023 – V1 – Original version posted to pjm.com