

Dominion 2026 Submission of Supplemental Projects for Inclusion in the Local Plan

Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2023-0056

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Previously Presented:

Need Meeting 12/05/2023

Solutions Meeting 10/08/2025

Project Driver: Customer Service

Specific Assumption References:

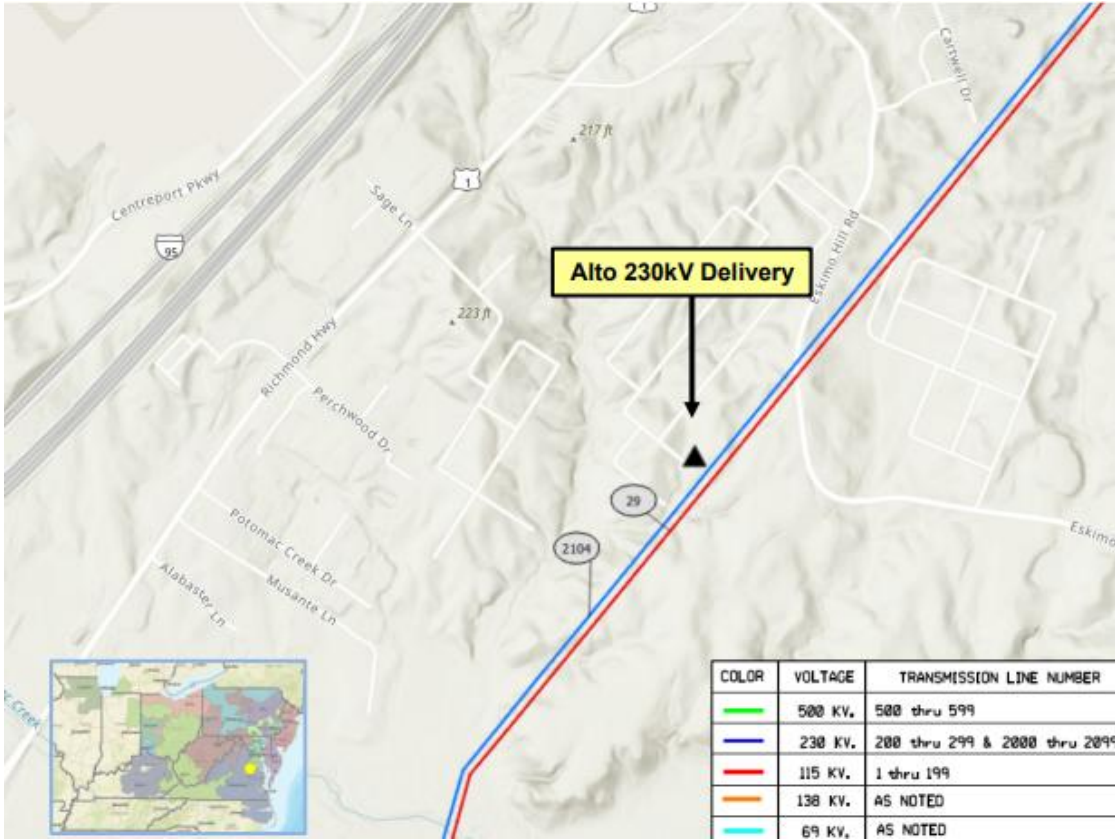
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

Problem Statement:

DEV has submitted a DP request for a new 230 kV delivery point (Alto Sub) to serve a data center customer in Stafford County, VA with a total load in excess of 100 MW.

Requested in-service date is 07/02/2027.

Initial In-Service Load	Projected 2029 Load
Summer: 26.0 MW Winter: 14.0 MW	Summer: 213.7 MW Winter: 165.7 MW



Dominion Transmission Zone: Supplemental Alto 230kV Delivery - DEV

Need Number: DOM-2023-0056

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Selected Solution:

- Cut and extend Line #2104 (Spartan – Centreport) and Line #2305 (Aquia Harbor – Allman) approx. 0.3 miles to interconnect the proposed Alto Substation.
- Lines to terminate into a 230 kV six-breaker ring arrangement.

Estimated Project Cost: \$16.5M (Total)

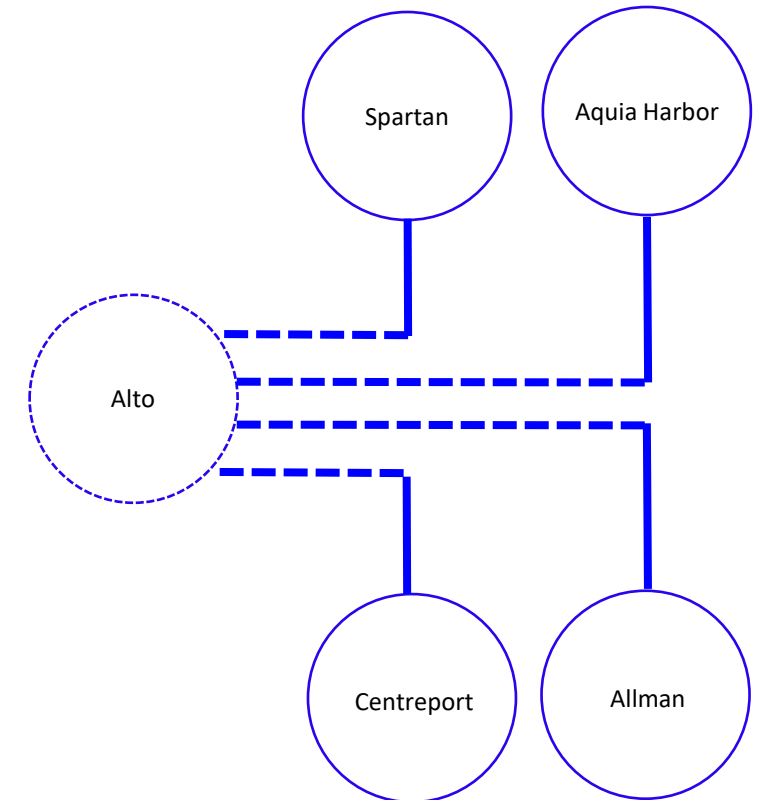
- Substation: \$15.0M
- Transmission Line: \$1.5M

Supplemental Project ID: s3813

Projected In-service Date: 07/02/2027

Project Status: Engineering

Model: 2029 RTEP



Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2024-0008

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Previously Presented:

Need Meeting 02/06/2024

Solutions Meeting 10/08/2025

Project Driver: Customer Service

Specific Assumption References:

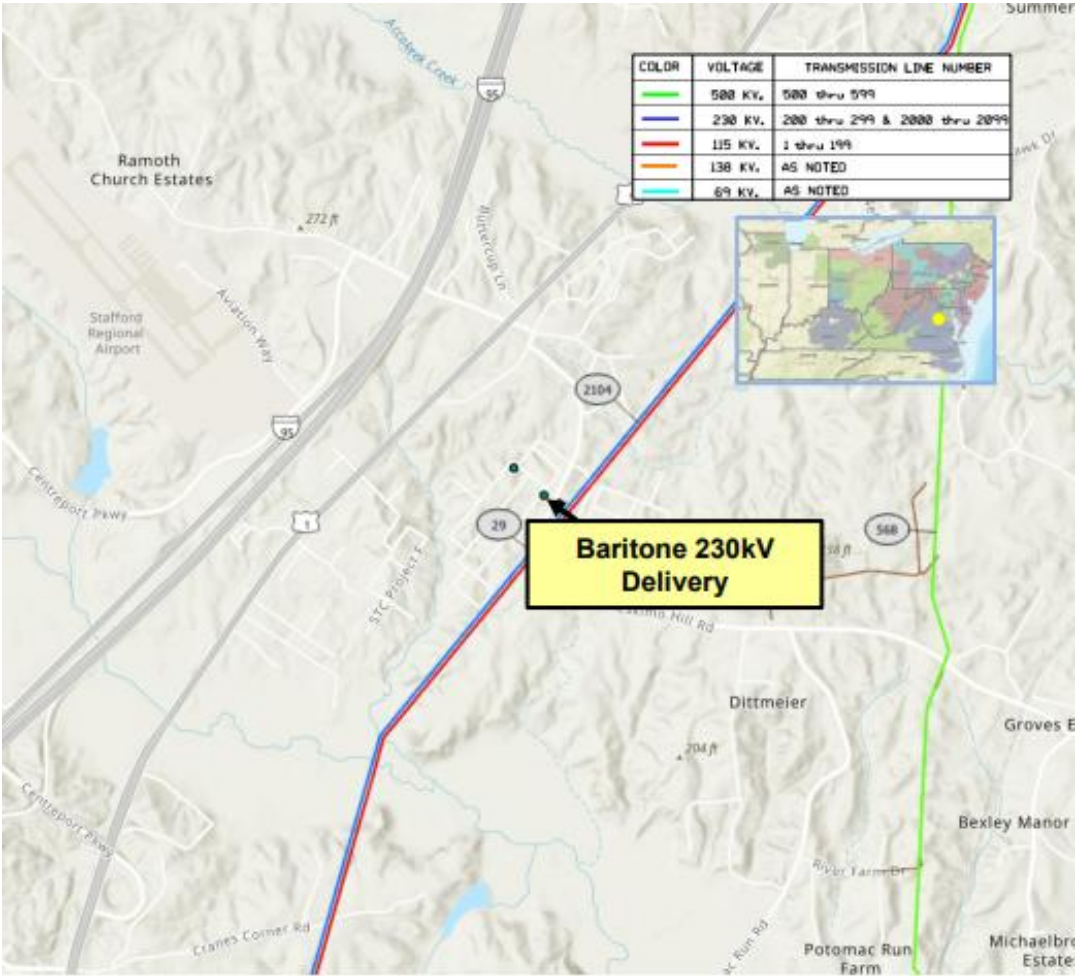
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

Problem Statement:

DEV has submitted a DP request for a new 230 kV delivery point (Baritone) to serve a data center customer in Stafford County, VA with a total load in excess of 100 MW.

Requested in-service date is 12/30/2029.

Initial In-Service Load	Projected 2029 Load
Summer: 0 MW Winter: 32 MW	Summer: 0 MW Winter: 32 MW



Dominion Transmission Zone: Supplemental Baritone 230kV Delivery - DEV

Need Number: DOM-2024-0008

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Selected Solution:

- Cut and extend Line #2104 (Alto – Centreport) and #9575 (Alto – Allman) to interconnect the proposed Baritone Substation.
- Lines to terminate into a 230 kV six-breaker ring arrangement.

Estimated Project Cost: \$15.5M (Total)

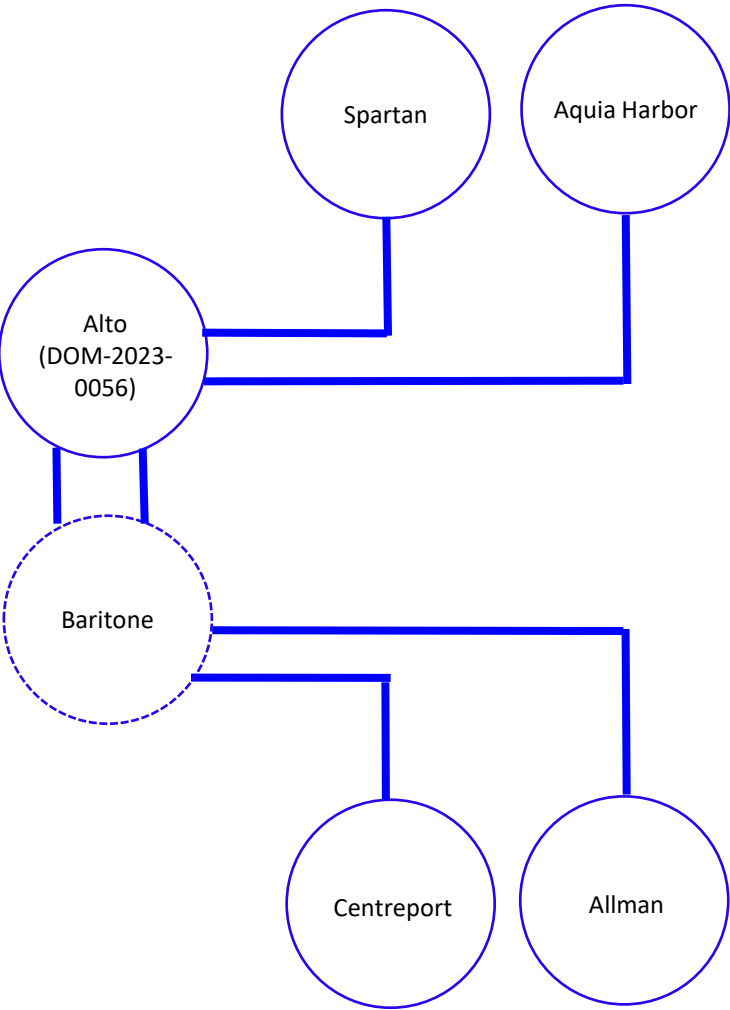
- Substation: \$15.0M
- Transmission Line: \$0.5M

Supplemental Project ID: s3810

Projected In-service Date: 12/30/2029

Project Status: Engineering

Model: 2029 RTEP



Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2024-0058
Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

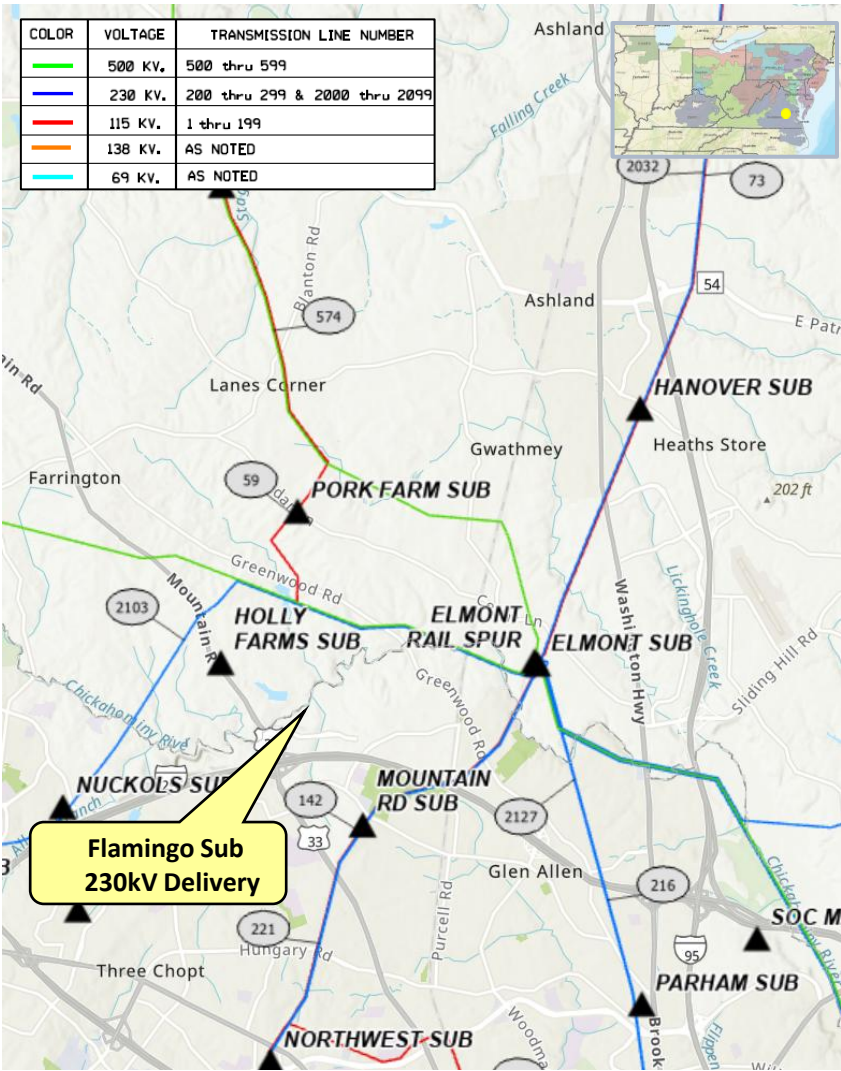
Previously Presented:
Need Meeting 09/10/2024
Solution Meeting 10/08/2025

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 (Flamingo) to serve a data center in Hanover County. The requested in-service date is 01/01/2029.

Initial In-Service Load	Projected 2029 Load
Summer: 47.0 MW Winter: 42.5 MW	Summer: 47.0 MW Winter: 42.5 MW



Dominion Transmission Zone: Supplemental Flamingo 230kV Delivery - DEV

Need Number: DOM-2024-0058

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Project Driver: Customer Service

Selected Solution:

Cut existing 230kV Line 2103 (Elmont to Short Pump) in and out of proposed Flamingo substation. Lines to terminate initially in a 230kV four-breaker ring arrangement, with an ultimate six-breaker configuration.

Estimated Project Cost: \$30M (Total)

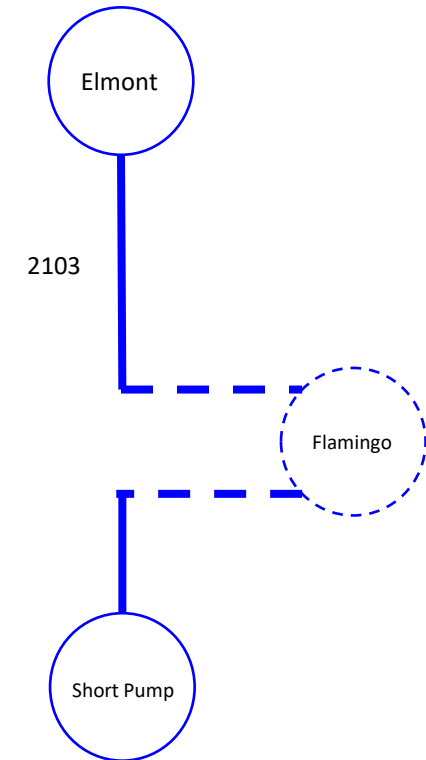
- \$20M Substation
- \$10M Transmission Lines

Supplemental Project ID: s3811

Projected In-service Date: 12/31/2029

Project Status: Engineering

Model: 2029 RTEP



Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2024-0061

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Previously Presented:

Need Meeting 09/10/2024

Solutions Meeting 10/08/2025

Project Driver: Customer Service

Specific Assumption References:

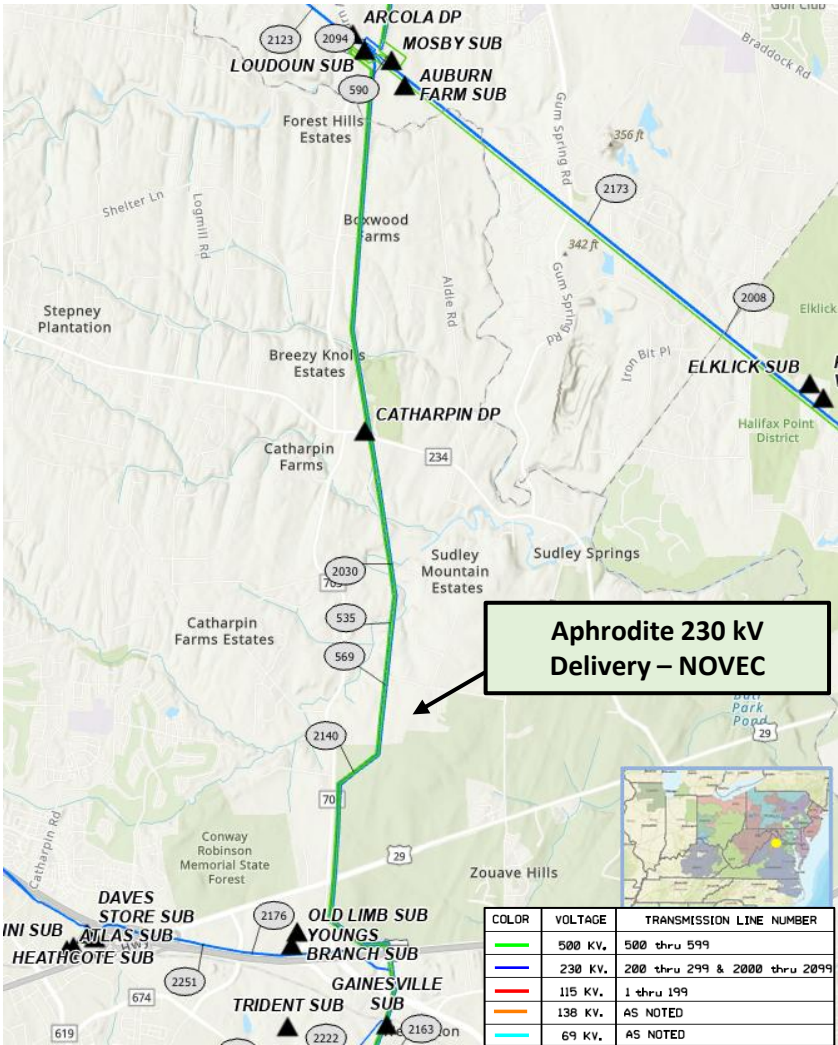
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

Problem Statement:

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

Requested in-service date is 09/30/2027.

Initial In-Service Load	Projected 2029 Load
Summer: 10.8 MW Winter: 10.8 MW	Summer: 92.1 MW Winter: 92.1 MW



Dominion Transmission Zone: Supplemental Aphrodite 230kV Delivery - NOVEC

Need Number: DOM-2024-0061
Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

- Selected Solution:**
- Cut Line #2030 (Loudoun – Gainesville) to interconnect the proposed Aphrodite Substation.
 - Lines to terminate into a 230 kV four-breaker ring arrangement.

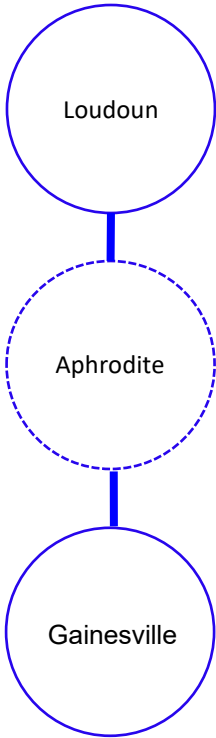
- Estimated Project Cost:** \$14M (Total)
- Substation: \$13.5M
 - Transmission Line: \$0.5M

Supplemental Project ID: s3812

Projected In-service Date: 09/30/2027

Project Status: Engineering

Model: 2029 RTEP



Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2025-0011
Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan
Previously Presented:
Need Meeting 11/04/2025
Solution Meeting 12/08/2025

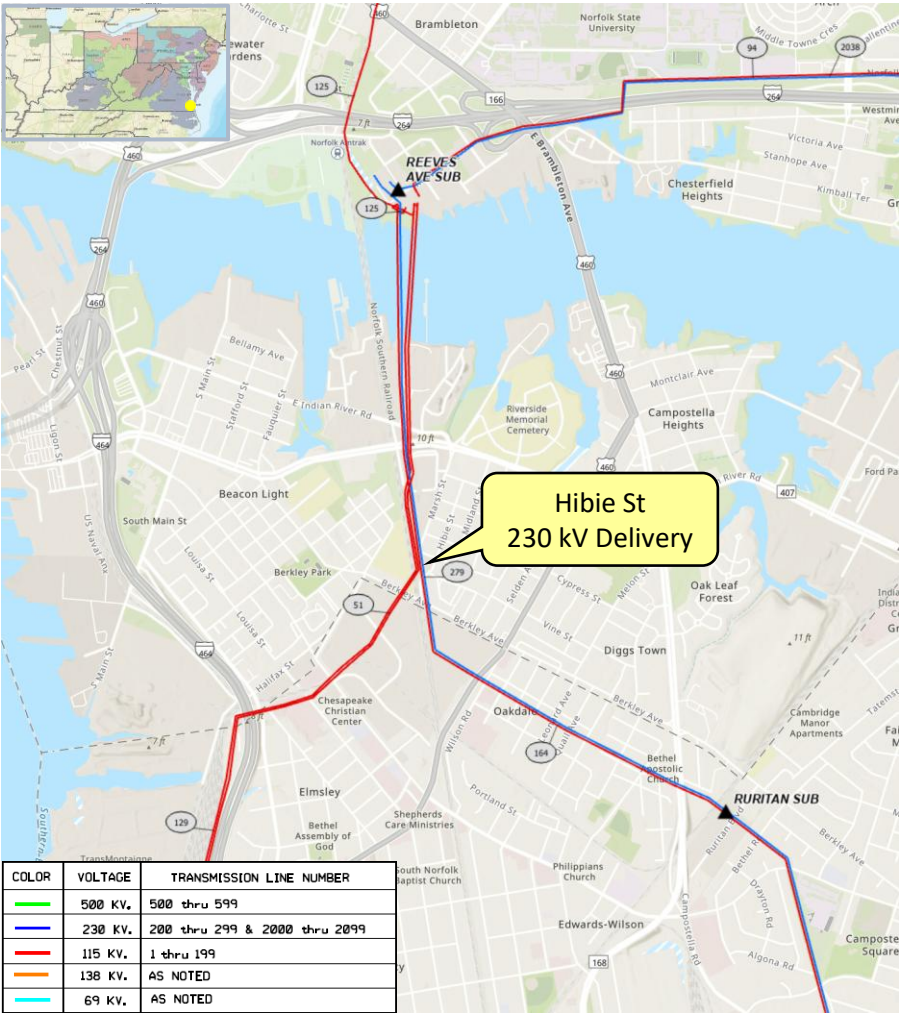
Project Driver: Customer Service

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 (Hibie St) to serve customer load in Norfolk, VA south of the Elizabeth River. Two distribution circuits from Reeves Ave cross underneath the Elizabeth River. DEV Distribution reports that one circuit has reached end of life with significant loss of ampacity and replacing it would involve high costs and pose considerable environmental risks. These two distribution circuits will be retired and existing customer load picked up by the new substation.

The requested in-service date is 12/31/2027.

Initial In-Service Load (TX#1)	10-year Projected Load
Summer: 23.0 MW Winter: 26.9 MW	Summer: 25.5 MW Winter: 29.8 MW



Dominion Transmission Zone: Supplemental Hibie St - New 230 kV Delivery - DEV

Need Number: DOM-2025-0011

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Previously Presented:

Need Meeting 11/04/2025

Solution Meeting 12/08/2025

Project Driver: Customer Service

Selected Solution:

- Construct new 230 kV substation Hibie St with an installed 84 MVA 230/24.5 kV TX and standard high-side protection (MOAB, circuit switcher, wave trap)
- Tap Line #279 Reeves Ave <> Thrasher between structures 279/86 and 279/87 to extend a single circuit 230 kV source to the site.

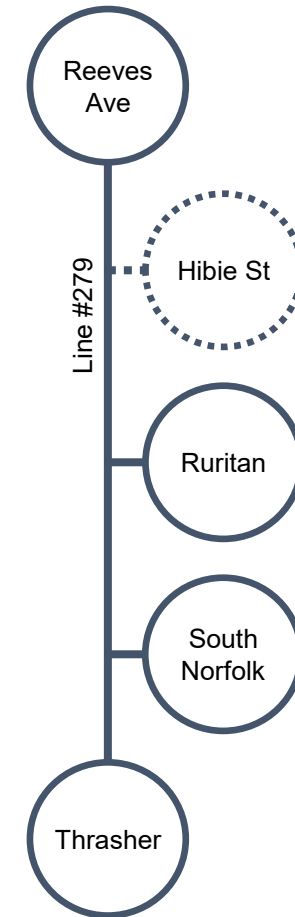
Estimated Project Cost: \$3.56M (Substation only)

Supplemental Project ID: s3834

Projected In-Service Date: 12/31/2027

Project Status: Engineering

Model: 2030 RTEP



Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2025-0034
Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

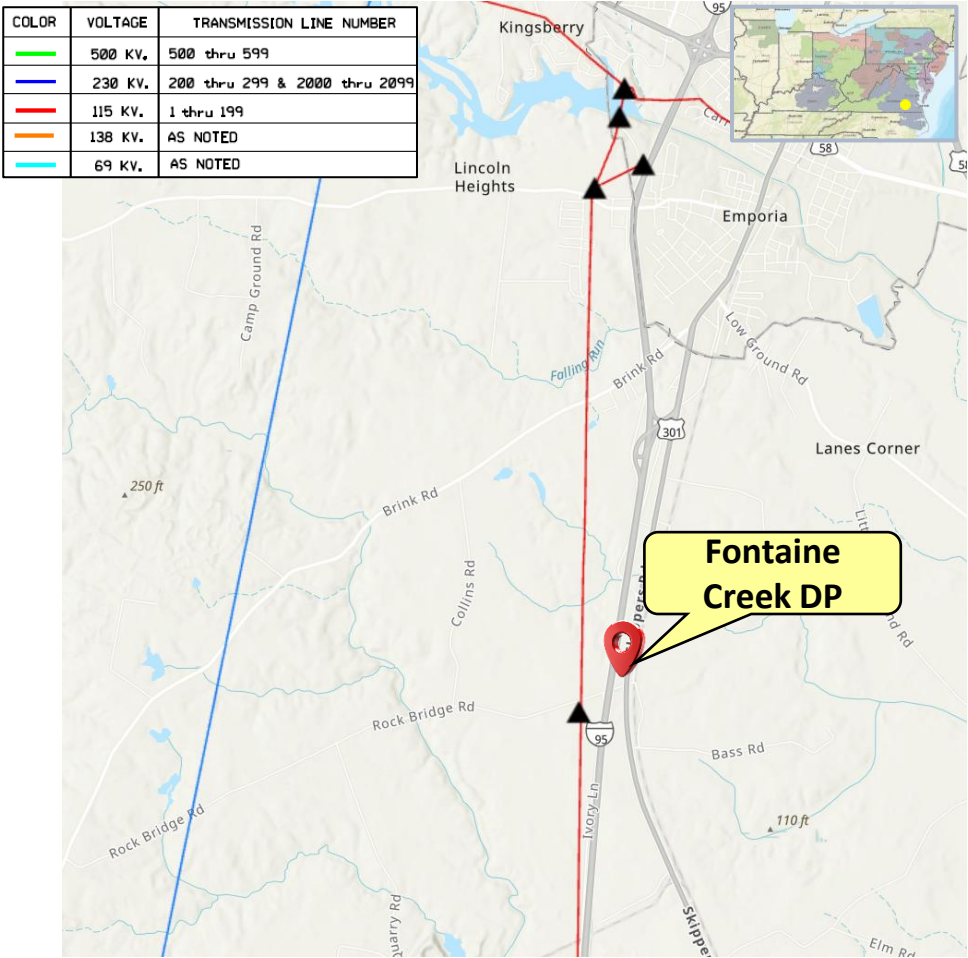
Previously presented:
Need Meeting 09/18/2025
Solution Meeting 10/16/2025

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 has submitted a delivery point request on behalf of Mecklenburg Electric Cooperative (MEC) for a new delivery point Fontaine Creek to serve a motor load customer in Skippers, VA. The site is located in Greensville County at the intersection of Rockbridge Road and Hwy 301 South. The driver for the new delivery is a pipeline station with a 6.5 MVA electric motor. Requested in-service date is 10/01/2025.

Initial In-Service Load	Projected 2030 Load
Summer: 0 MW Winter: 6.5 MW	Summer: 6.5 MW Winter: 6.5 MW



Dominion Transmission Zone: Supplemental Fontaine Creek 115kV Delivery - MEC

Need Number: DOM-2025-0034

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Selected Solution:

Tap Line #1037 (Skippers – Ivory Lane) near Ivory Lane Sub and structure 1037/67 and extend a 115kV line to Fontaine Creek DP using 1-636 ACSR (24/7) “ROOK” conductor. The distance from Line #1037 to the proposed delivery point is approximately 0.34 miles.

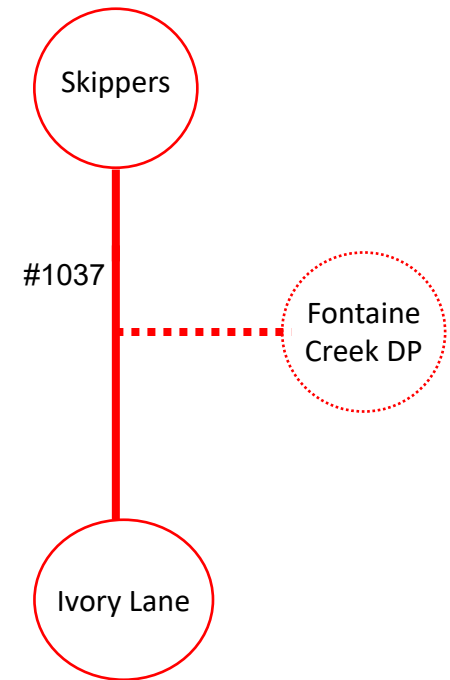
Estimated Project Cost: \$4M (Transmission only)

Supplemental Project ID: s3814

Projected In-service Date: Q1 2026

Project Status: Construction

Model: 2029 RTEP



Need Number: DOM-2025-0058

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Previously Presented:

Need Meeting 06/04/2024
Solution Meeting 07/09/2024

Project Driver: Equipment Material Condition, Performance Risk

Specific Assumption References:

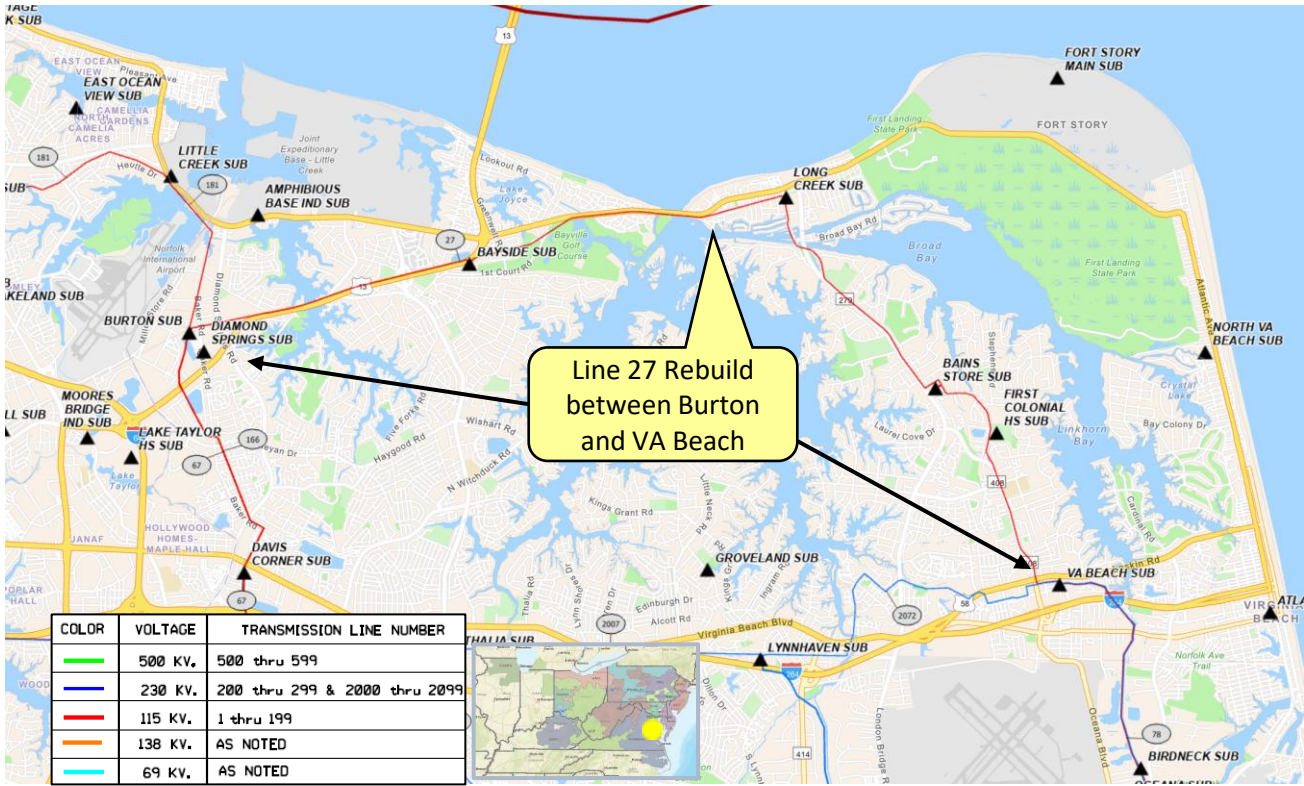
See details on Equipment Material Condition, Performance and Risk in Dominion’s Planning Assumptions presented in December 2023.

Problem Statement:

Dominion Energy has identified a need to replace approximately 12.7 miles of 115kV Line #27 (Burton to VA Beach) to new 115kV standards based on the Company’s End of Life criteria.

- Line #27 was constructed on a combination of wood, concrete and steel structures dating back to 1971, with many in need of replacement due to deterioration.
- Industry guidelines indicate equipment life for steel structures is 40-60 years, wood structures is 35-55 years, conductor and connectors are 40-60 years, and porcelain insulators are 50 years.
- This area is subjected to salt contamination which can accelerate degradation of transmission equipment.

Dominion Transmission Zone: Supplemental Customer Load Request



Dominion Transmission Zone: Supplemental 115kV Line 27 – EOL Rebuild

Need Number: DOM-2025-0058

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Selected Solution: Rebuild approximately 12.7 miles of Line 27 between Burton and VA Beach to current 115kV standards. The normal rating of the line conductor will be 393 MVA.

Estimated Project Cost: \$64M (Total)

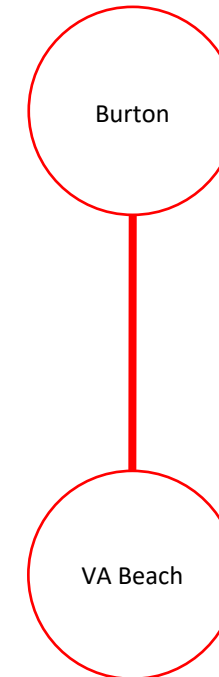
- Substation: \$2.8M
- Transmission Lines: \$61.2

Supplemental Project ID: s3815

Project In-service Date: 04/01/2027

Project Status: Construction

Model: 2029 RTEP



Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2025-0076
Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

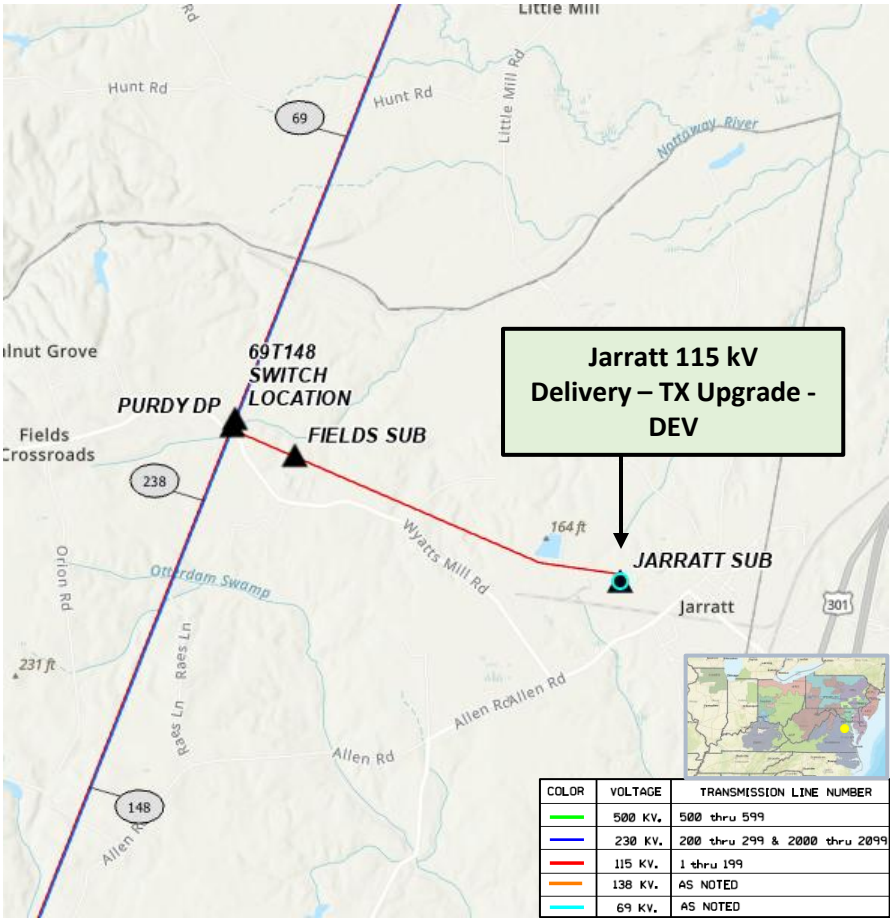
Previously Presented:
Need Meeting 11/13/2025
Solution Meeting 12/11/2025

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 upgrade TX #4 and retire TX #3 at Jarratt Substation in Greensville County, VA. The reason for this request is deployment of GTP Phase III Substation Technology which will enable real-time monitoring and control, as well as advanced protection, automation, and power quality monitoring. The total expected capacity is 33 MW.

Expected in-service date is 6/30/2028



Dominion Transmission Zone: Supplemental Jarratt 115kV Delivery – Upgrade TX#4 and Retire TX#3 - DEV

Need Number: DOM-2025-0076

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Project Driver: Customer Service

Selected Solution:

Install a 1200 Amp, 25 kAIC circuit switcher and associated equipment (center break switch, bus work, relaying, etc) on the high side of the new transformer at Jarratt Substation.

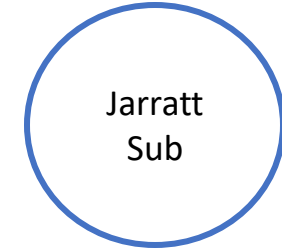
Estimated Project Cost: \$0.4M (Substation only)

Supplemental Project ID: s3833

Expected in-service date: 6/30/2028

Project Status: Engineering

Model: 2029 RTEP



Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2025-0077

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Previously Presented:

- Need Meeting 11/13/2025
- Solution Meeting 12/11/2025

Project Driver: Customer Service

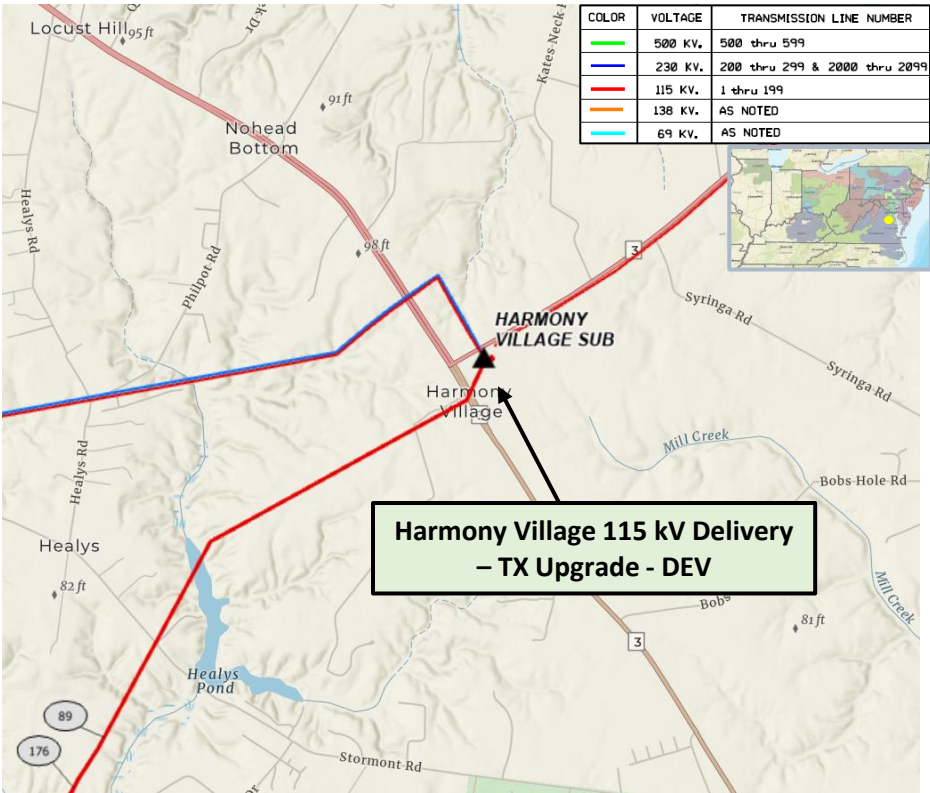
Specific Assumption References:

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 upgrade a distribution transformer (TX#3) at Harmony Village Substation in Middlesex County, VA. The replacement is being driven by non-data center load growth with a total expected capacity of 159 MW.

Expected in-service date is 12/15/2026.



Dominion Transmission Zone: Supplemental Harmony Village 115 kV Delivery – Upgrade TX#3 - DEV

Need Number: DOM-2025-0077

Process Stage: Submission of Supplemental Project for Inclusion in the 2026 Local Plan

Project Driver: Customer Service

Selected Solution:

Install a 1200 Amp, 50 kAIC circuit switcher and associated equipment (center break switch, bus work, relaying, etc) on the high side of the new transformer at Harmony Village.

Estimated Project Cost: \$1.21M (Substation only)

Supplemental Project ID: s3816

Expected in-service date: 12/15/2026

Project Status: Engineering

Model: 2029 RTEP



Revision History

05/26/2026 – V1 – Added s3810, s3811, s3812, s3813, s3814, s3815, s3816, s3833, s3834