

Dominion Supplemental Projects

Transmission Expansion Advisory
Committee
August 4, 2026

Solutions

Dominion Transmission Zone: Supplemental Customer Load Request

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

Process Stage: Update Meeting 08/04/2026

Previously Presented: Submission of Supplemental Project for Inclusion in the Local Plan 02/21/2024

Project Driver: Customer Service

Specific Assumption References:

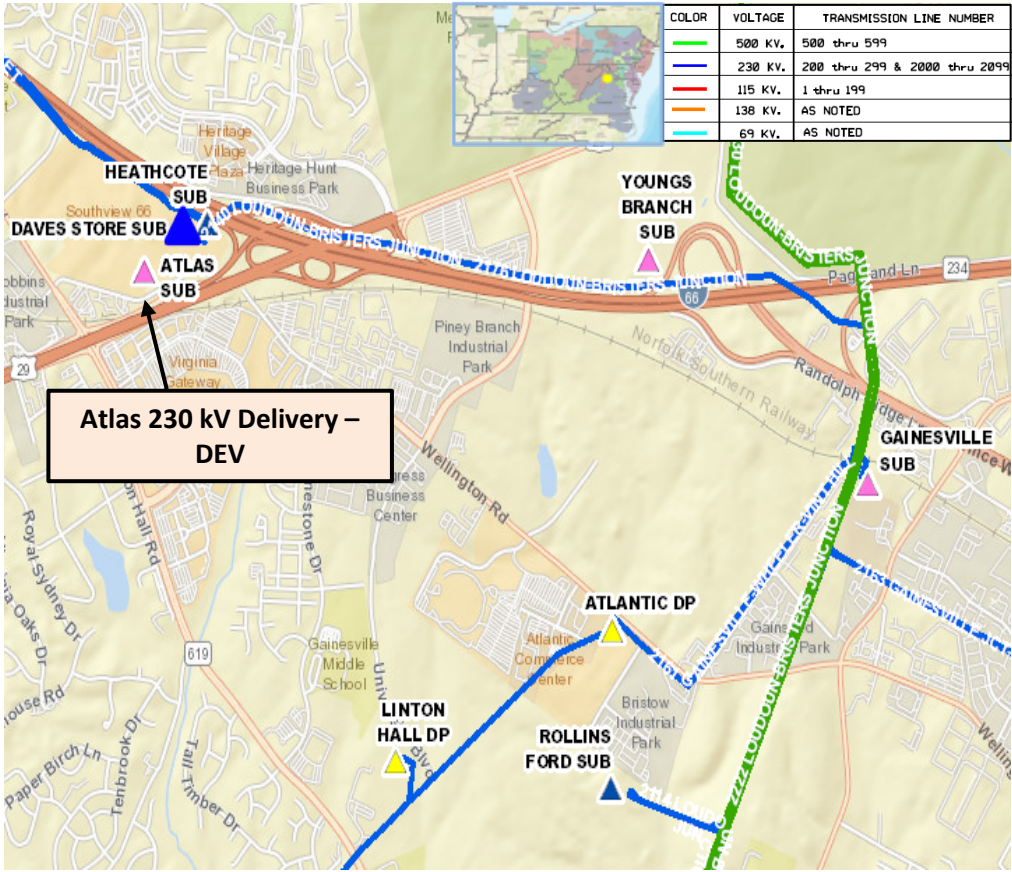
Customer load request will be evaluated per Dominion’s Facility Interconnection Requirements Document and Dominion’s Transmission Planning Criteria.

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 Winter: 0.0 MW	Summer: 70.0 MW Winter: 0.0 MW



Dominion Transmission Zone: Supplemental Atlas 230kV Delivery - DEV

Need Number: DOM-2023-0011

Process Stage: Update Meeting 08/04/2026

Proposed Solution:

- Interconnect the new substation by extending approx. 1200' of ~~(4)~~ (2) new 230 kV lines from Gemini to the proposed Atlas Substation. Re-terminate (1) of the 230 kV segments from Daves Store to Trident (DOM-2023-0009-DNH) into Atlas, extending the segment by approx. 1800'. The 230 kV lines will terminate into a 230 kV ~~four-breaker arrangement expandable to an ultimate of six GIS~~ arrangement of (9) 230 kV breakers in a breaker-and-a-half scheme.
- Install (2) 230 kV breakers at Gemini Substation to accommodate the termination of the (2) lines from Atlas.

Estimated Project Cost: ~~\$10.0 M~~ \$52.9 M

Substation: \$50.7 M

Transmission: \$2.2 M

Alternatives Considered:

Extend (2) 230 kV lines from Gemini to the proposed Atlas Substation Only.

- Not chosen due to avoidance of future 300 MW load drop violation (Gemini + Atlas via L/O (2) 230 kV lines from Daves Store to Gemini)

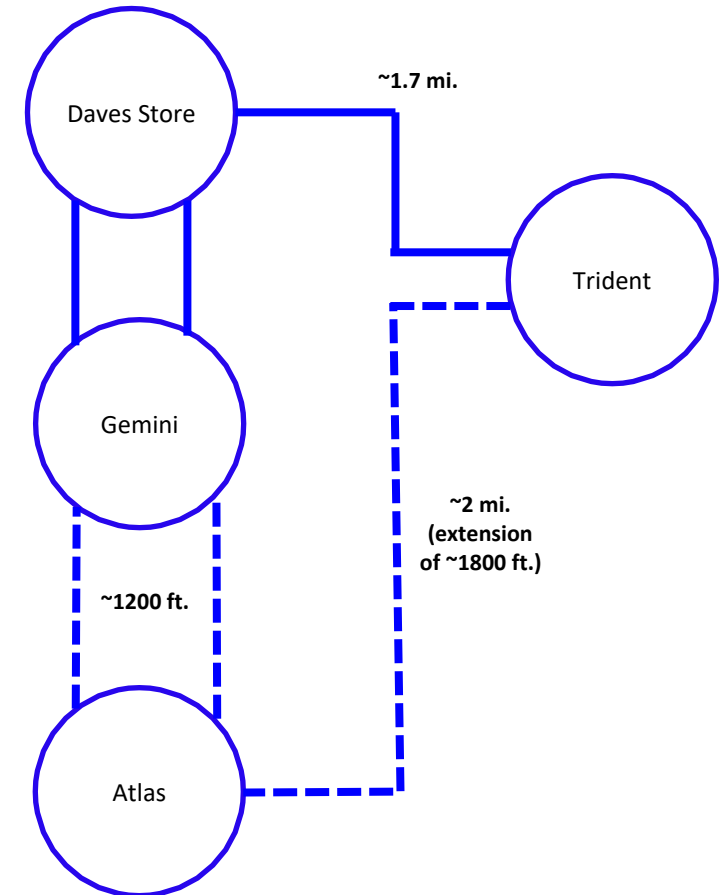
AIS Ring Bus Design

- Spatial constraints of air-insulated design at the proposed site restricts flexibility in consideration of continued load growth and avoidance of thermal and voltage constraints within the area.

Projected In-service Date: 04/01/2028 ~~06/01/2028~~

Project Status: Engineering

Model: 2027 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

07/24/2026 – V1 – Original version posted to pjm.com.