



# Dominion Supplemental Projects

Transmission Expansion Advisory  
Committee

January 10, 2019

# Needs



**Need Number: DOM-2018-0024**

**Meeting Date: 1/10/2019**

**Process Stage: NEED**

**Supplemental Project Driver: Customer Service**

**Problem Statement:**

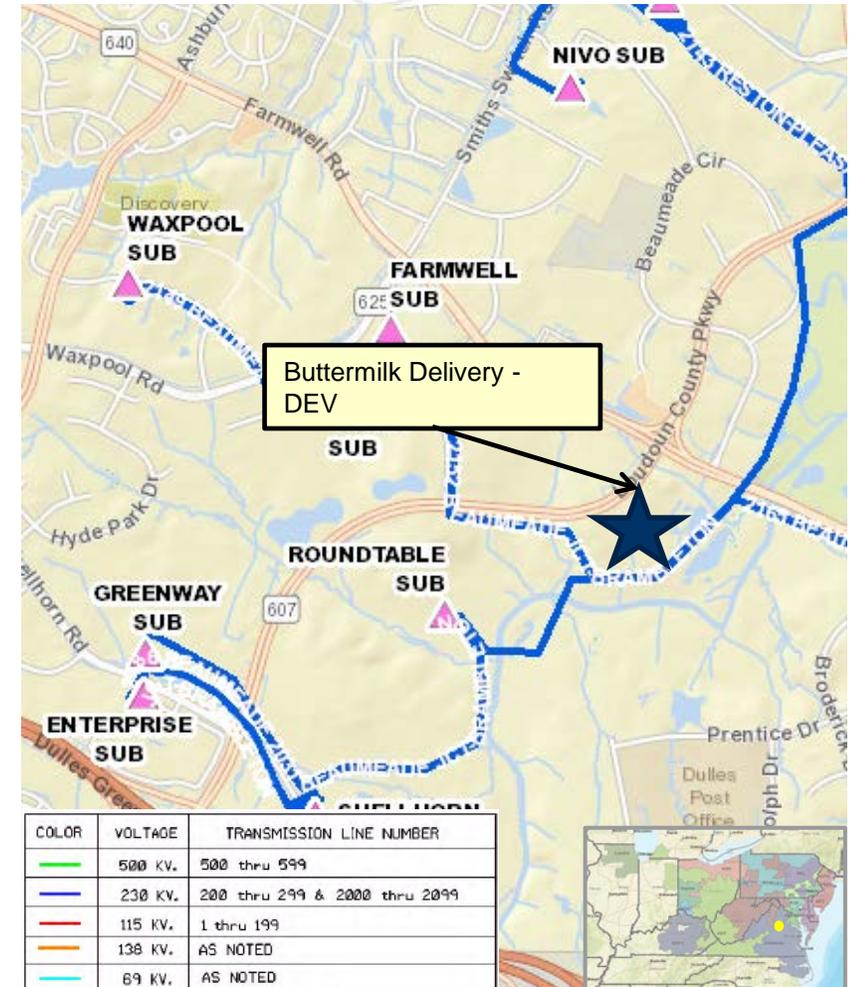
DEV Distribution has submitted a DP request to serve a new substation (Buttermilk) in Loudoun County with total load in excess of 100MW. Customer requests service by 12/30/2020.

Initial In-Service Year (2021) Load	Projected 2024 Load
Summer: 56.8 MW	Summer: 110 MW

DEV Distribution does not have adequate distribution facilities to serve this customer load request.

**Specific Assumption References:**

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





# Solutions



# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number: DOM-2018-0018**

**Meeting Date: 1/10/2019**

**Process Stage: SOLUTIONS**

**Need Slide Presented: 10/10/2018**

**Supplemental Project Driver: Customer Service**

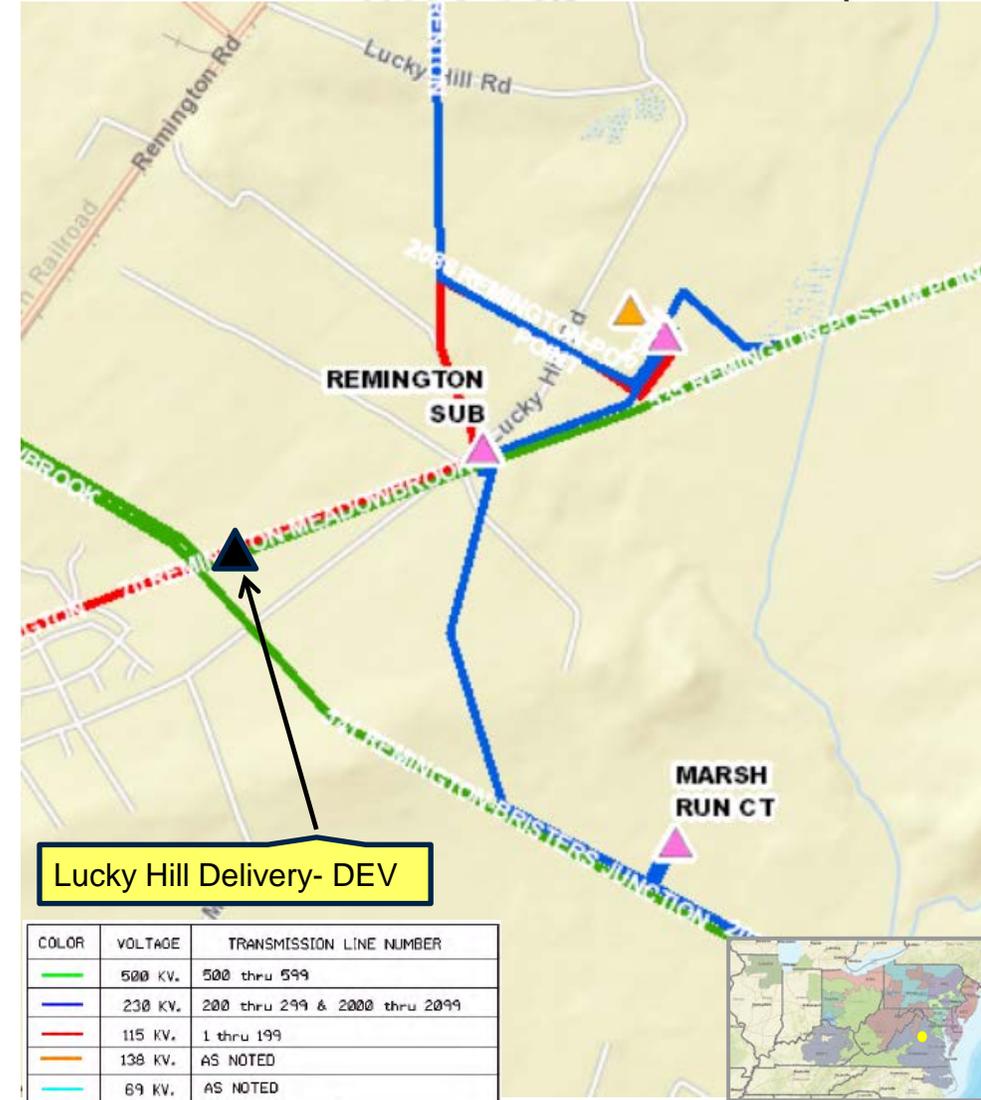
**Problem Statement:**

DEV Distribution has submitted a request for a new substation (Lucky Hill) to accommodate a new datacenter campus in Fauquier County with a total load in excess of 100 MW. Requested in-service date is Sept 15, 2020.

Initial In-Service Year (2020) Load	Projected 2023 Load
Summer: 24 MW	Summer: 100 MW

**Specific Assumption References:**

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





# Dominion Transmission Zone: Supplemental Customer Load Request

**Need Number: DOM-2018-0018**

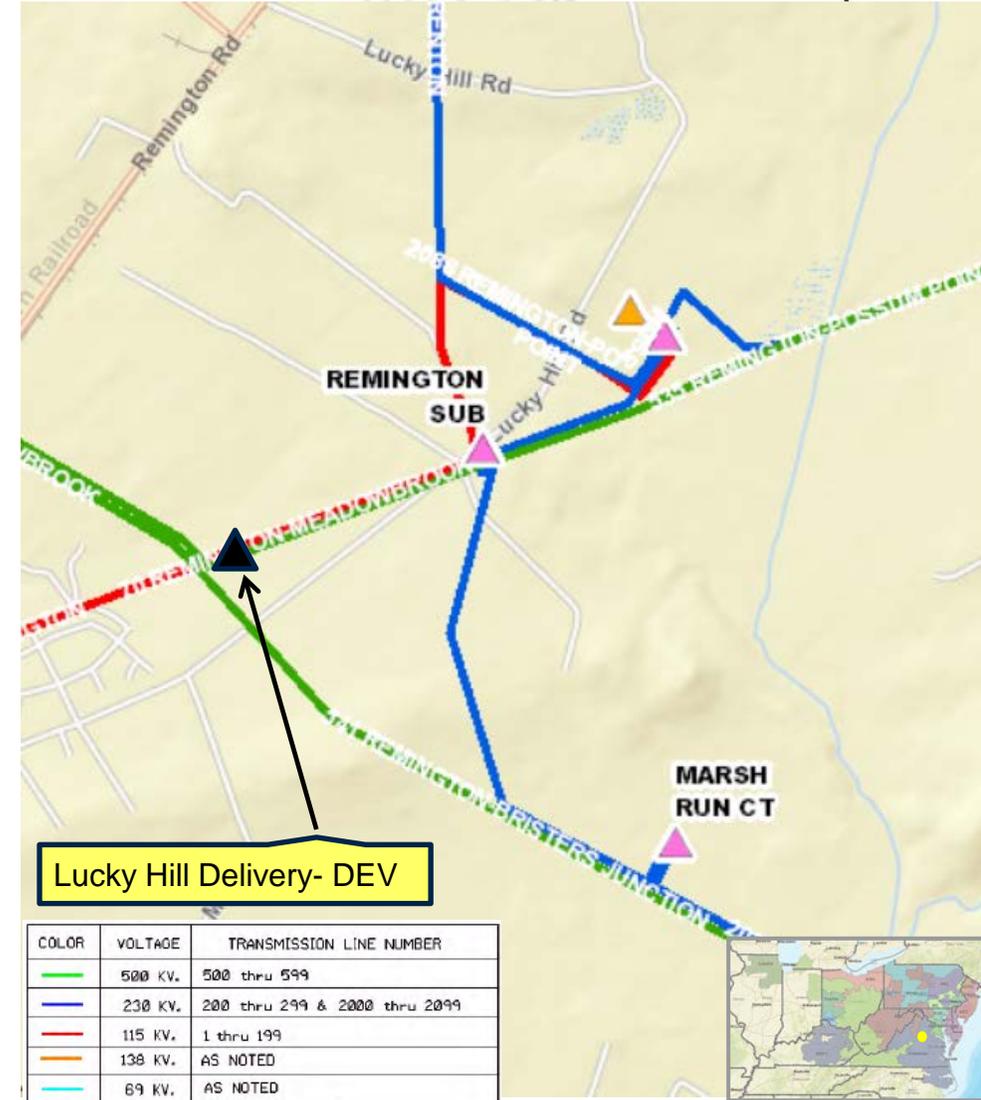
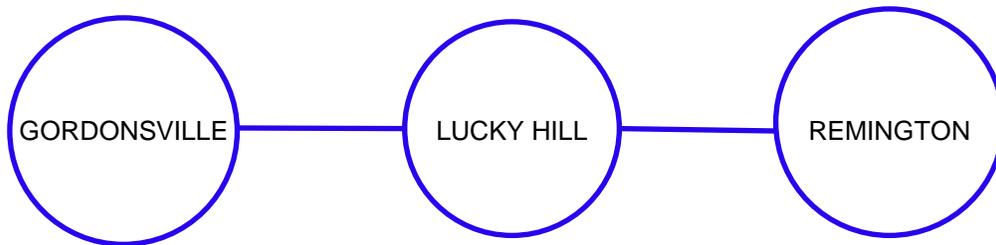
**Proposed Solution:** Interconnect the new DP substation by cutting and extending Line #2199 (Remington-Gordonsville) to new Lucky Hill Substation. Terminate both ends into a four-breaker ring arrangement to create new 230kV Gordonsville-Lucky Hill and Lucky Hill-Remington lines.

**TO Alternative:** No feasible alternatives.

**Estimated Project Cost:** \$7.5 M

**Project IS Date:** 9/15/2020

**Project Status:** Conceptual



- V1 – 12/28/2018 – Original Slides Posted