

# SRRTEP Committee Southern Dominion Supplemental Projects

December 16, 2020

# 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-2020-0046

**Process Stage:** Need Meeting 12/16/2020

**Project Driver:** Customer Service

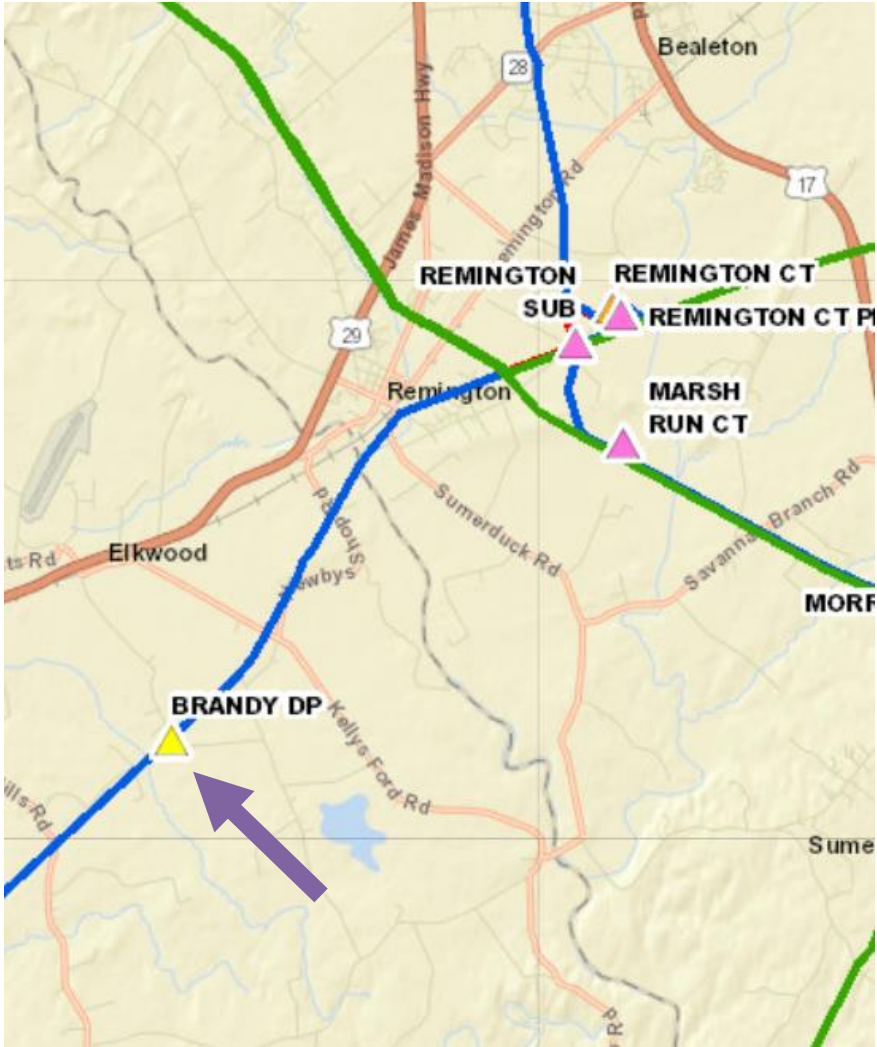
**Specific Assumption References:**

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 DP Request (on behalf of REC) to add a new, 56 MVA distribution transformer at Brandy DP in Culpeper County. The new transformer is needed to meet future growth and will initially serve load that is transferred from one of the existing substation transformers. The projected in-service date is 12/15/2020.

|                         |                     |
|-------------------------|---------------------|
| Initial In-Service Load | Projected 2025 Load |
| Winter: 10.0 MW         | Winter: 25.8 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 Equipment Material Condition, Performance and Risk

**Need Number:** DOM-2020-0029

**Process Stage:** Solution Meeting 12/16/2020

**Previously Presented:** Need Meeting 11/18/2020

**Project Driver:** Equipment Material Condition, Performance and Risk

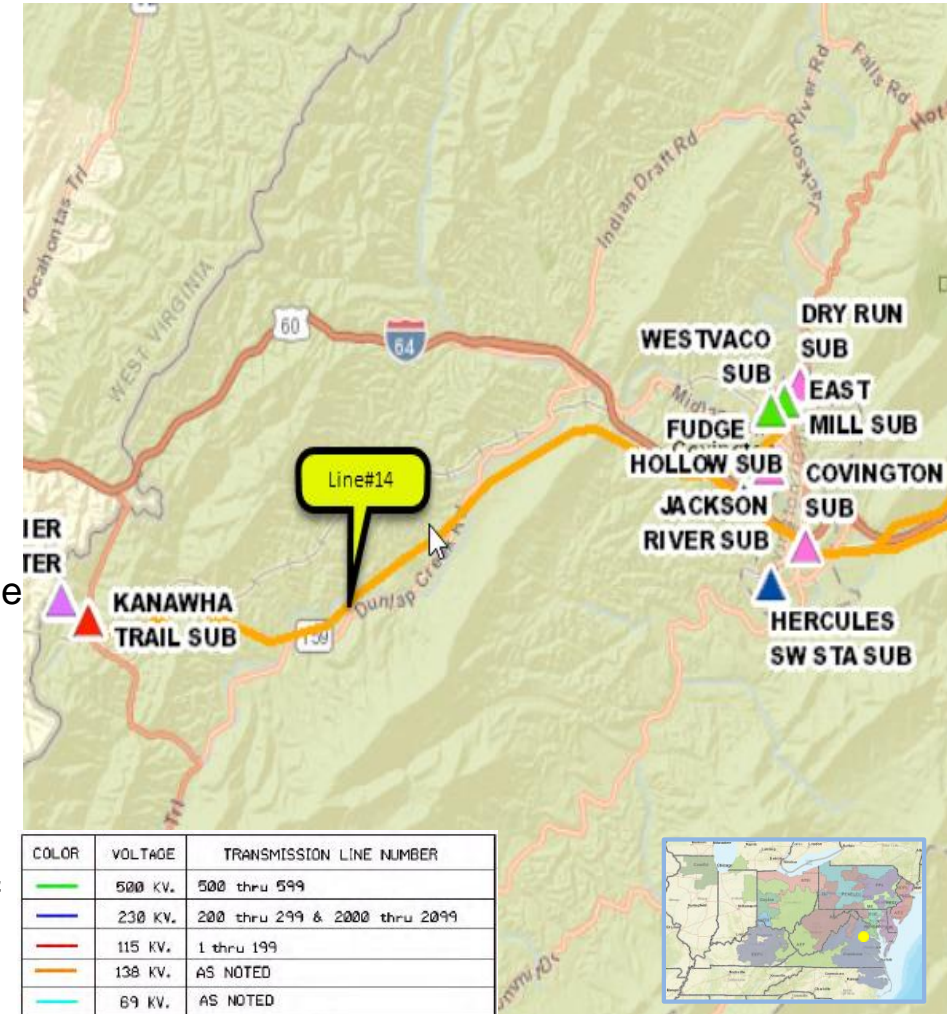
**Specific Assumption References:**

See details on Dominion Energy’s End of Life Criteria in Dominion’s Planning Assumptions presented in December 2019 and updated in September 2020

**Problem Statement:**

Dominion Energy has identified the need to replace 92 transmission towers on 138kV Line #14 between Fudge Hollow and the interconnect with AEP.

- 138kV Line #14 extends 14.94 miles to AEP territory from Fudge Hollow. AEP is fed radially from Fudge Hollow, most of the time.
- Existing structures are 1920's vintage Blaw Knox galvanized/painted towers.
- The line is at the end of its useful life (94 years old) and the ground line conditions of the structures range from fair to severe condition.



# Dominion Transmission Zone: Supplemental End of Life Criteria

**Need Number:** DOM-2020-0029

**Process Stage:** Solutions Meeting 12/16/2020

**Proposed Solution:**

Rebuild approximately 14.94 miles of 138kV Line #14, between Fudge Hollow to the demarcation point of AEP, to current 138kV standards and with a minimum rating of 211 MVA.

**Estimated Project Cost:** \$30 M

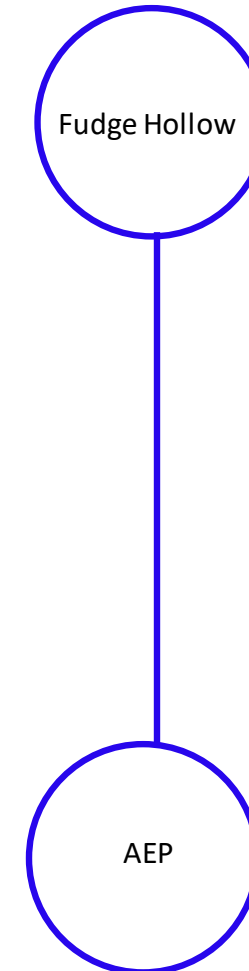
**Alternatives Considered:**

No feasible alternatives

**Required In-service Date:** Immediate Need

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

**Project Status:** Conceptual



# 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

12/4/2020 – V1 – Original version posted to pjm.com