



Sub Regional RTEP Committee PJM South

March 28, 2019

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-2019-0018

Meeting Date: 03/28/2019

Process Stage: NEED

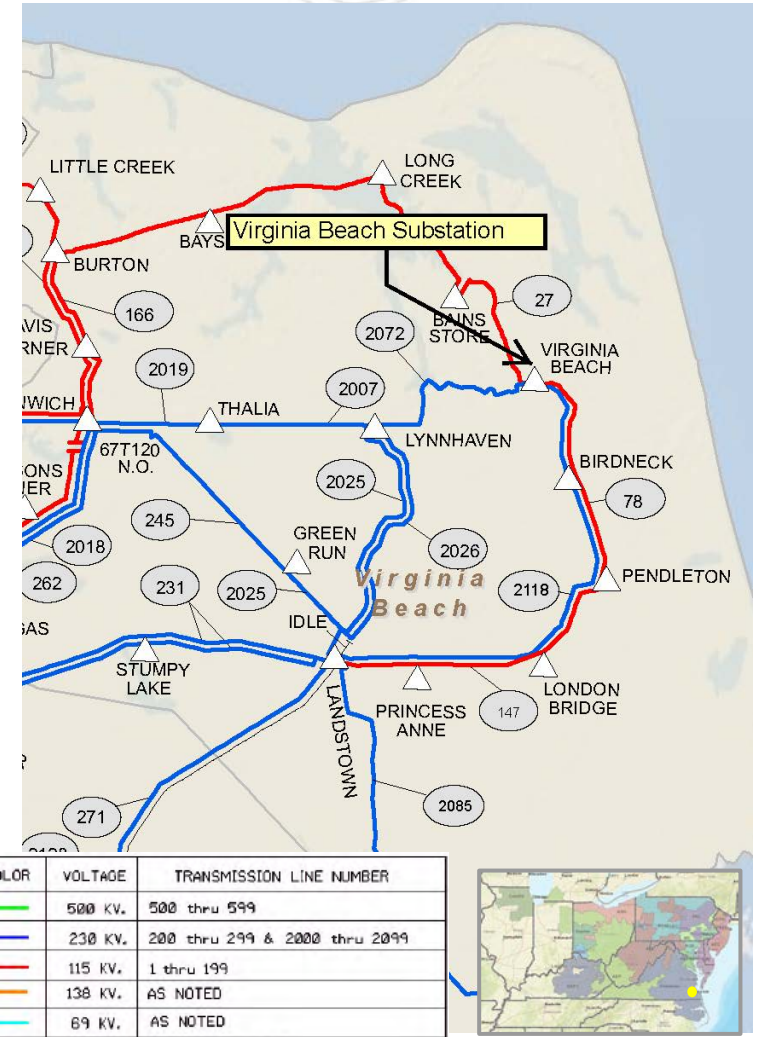
Supplemental Project Driver: Customer Service

Problem Statement:

DEV Distribution has identified the need to replace an existing 115/34.5kV distribution transformer at Virginia Beach substation. Currently there is no high side fault interrupting device for this transformer. Requested in-service date is 05/15/2020.

Specific Assumption References:

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



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 Customer Load Request

Need Number: DOM-2019-0009

Meeting Date: 03/27/2019

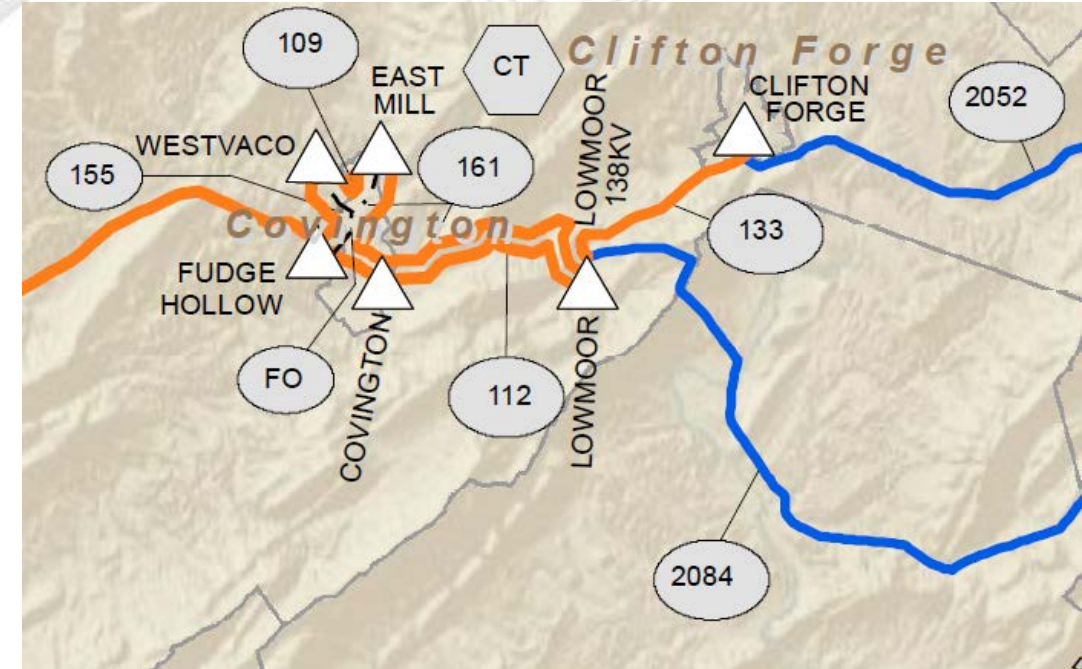
Process Stage: SOLUTION

Need Slide Presented: 02/20/2019

Supplemental Project Driver: Customer Service

Problem Statement:

DEV Distribution has submitted a DP Request to add a second 138/13.2kV distribution transformer at Clifton Forge Substation in Alleghany county. This transformer will support residential and commercial load growth and act as a spare in the event of failure of an existing bank. Requested in-service date is 06/15/2019.



| | |
|------------------------------|---------------------|
| Initial In-Service Year Load | Projected 2024 Load |
| Summer: 31 MW | Summer: 32 MW |

Specific Assumption References:

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

| COLOR | VOLTAGE | TRANSMISSION LINE NUMBER |
|--------|---------|-------------------------------|
| Green | 500 KV. | 500 thru 599 |
| Blue | 230 KV. | 200 thru 299 & 2000 thru 2099 |
| Red | 115 KV. | 1 thru 199 |
| Orange | 138 KV. | AS NOTED |
| Cyan | 69 KV. | AS NOTED |





Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2019-0009

Proposed Solution:

Install a high side switch, circuit switcher, and related conductors to connect DEV Distribution's transformer at Clifton Forge.

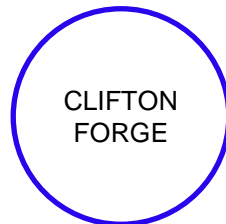
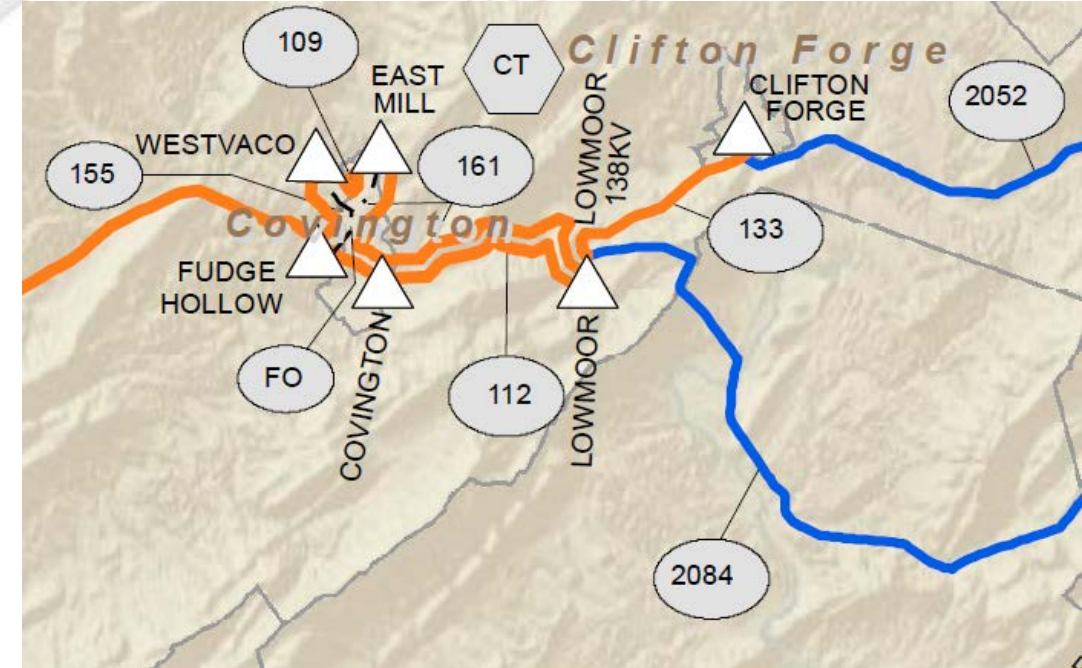
TO Alternative:

No feasible alternatives

Estimated Project Cost: \$700K

Project IS Date: 06/15/2019

Project Status: Engineering



| COLOR | VOLTAGE | TRANSMISSION LINE NUMBER |
|--------|---------|-------------------------------|
| Green | 500 KV. | 500 thru 599 |
| Blue | 230 KV. | 200 thru 299 & 2000 thru 2099 |
| Orange | 138 KV. | AS NOTED |
| Cyan | 69 KV. | AS NOTED |



Next Steps

Questions?



Appendix



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

03/18/2019 – V1 – Original version posted to pjm.com