

Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects

March 13, 2025

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

Need Number: PN-2024-002

Process Stage: Solution Meeting SRRTEP-MA - 03/13/2025

Project Driver:

Operational Flexibility and Efficiency

Equipment Material Condition, Performance, and Risk

Specific Assumption Reference:

System Performance Projects Global Factors

- System reliability and performance
- Substation and line equipment limits

System Performance

- Reconductor / Rebuild Transmission Line

Problem Statement:

The Summit – SGC Tap section of the Summit – SGC Tap – Ashville 46 kV Line is 73 years old and 1.36 miles long.

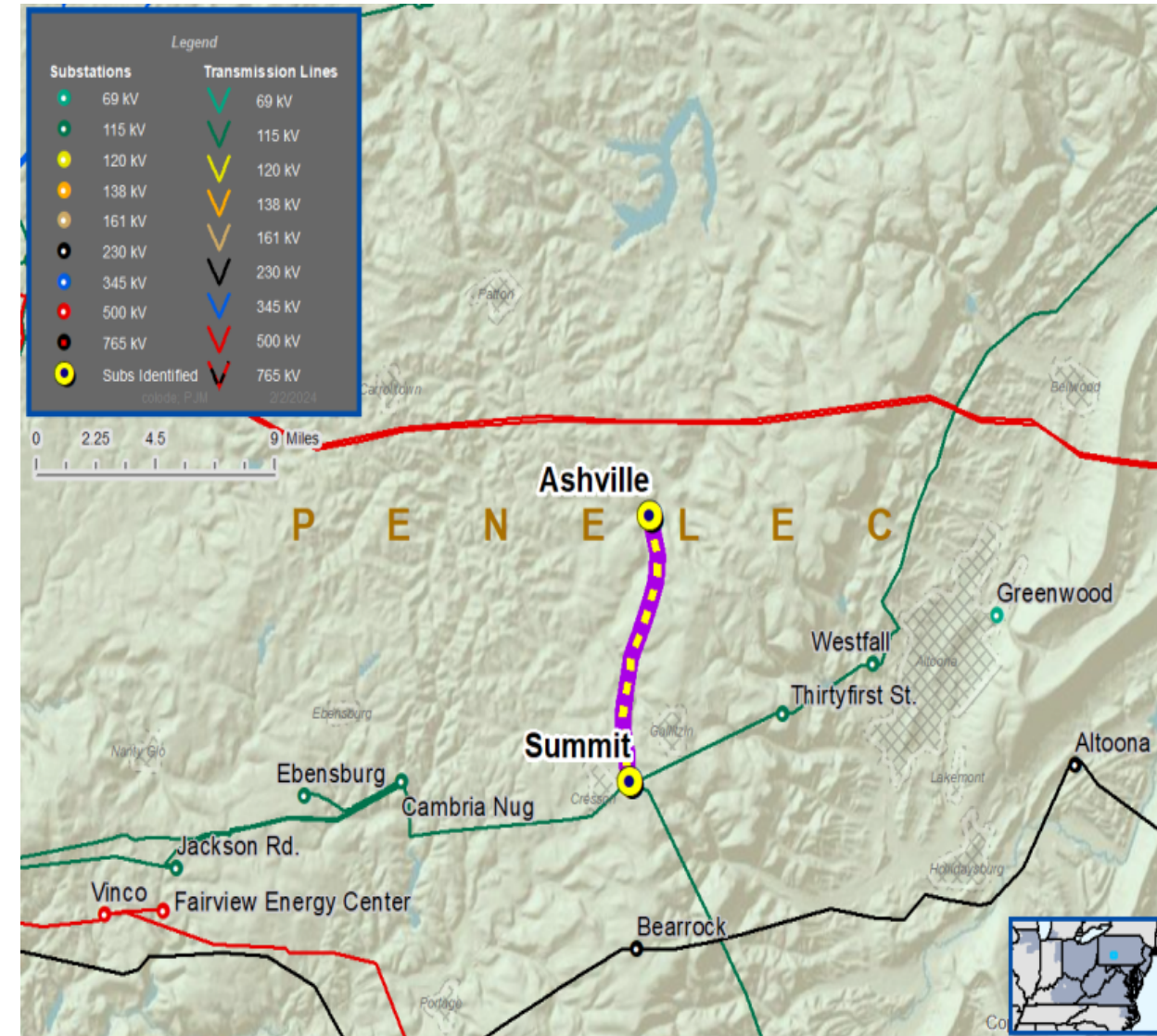
Within the last five years, the line has experienced nine unscheduled outages due to a combination of storm damage, deteriorating cross-arms, and insulators. In addition, there have been five operational outages on this line to avoid thermal overloads.

The SGC Tap – Summit 46 kV Line section is currently limited by terminal equipment, including vintage electromechanical relaying.

Existing Ratings

26/33 MVA SN/SE

33/33 MVA WN/WE



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Proposed Solution:

SGC Tap - Summit 46 kV Line: -Rebuild approximately 1.36 miles of existing line. Estimated Cost: \$3.54 M

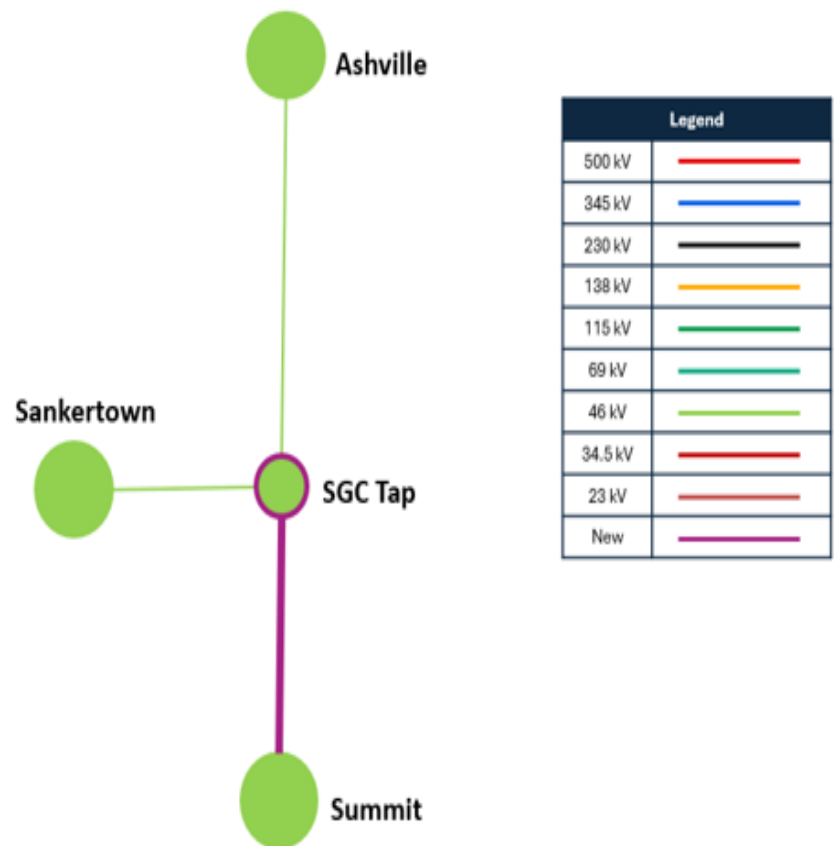
Transmission Cost Estimate: \$3.54 M

Alternatives Considered:

Maintain existing condition with elevated risk of equipment failure.

Projected In-Service: 05/29/2026

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

03/03/2024 – V1 – Original version posted to pjm.com