

Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects Penelec Transmission Zone

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

Penelec Transmission Zone M-3 Process Eagle Valley-Westfall 115 kV EVW Line Rebuild

Need Number: PN-2019-036

Process Stage: Solution Meeting – SRRTEP-MA – 10/16/2026

Previously Presented: Need Meeting – SRRTEP-MA – 10/21/2019

Project Driver: Equipment Condition/Performance/Risk

Specific Assumption References:

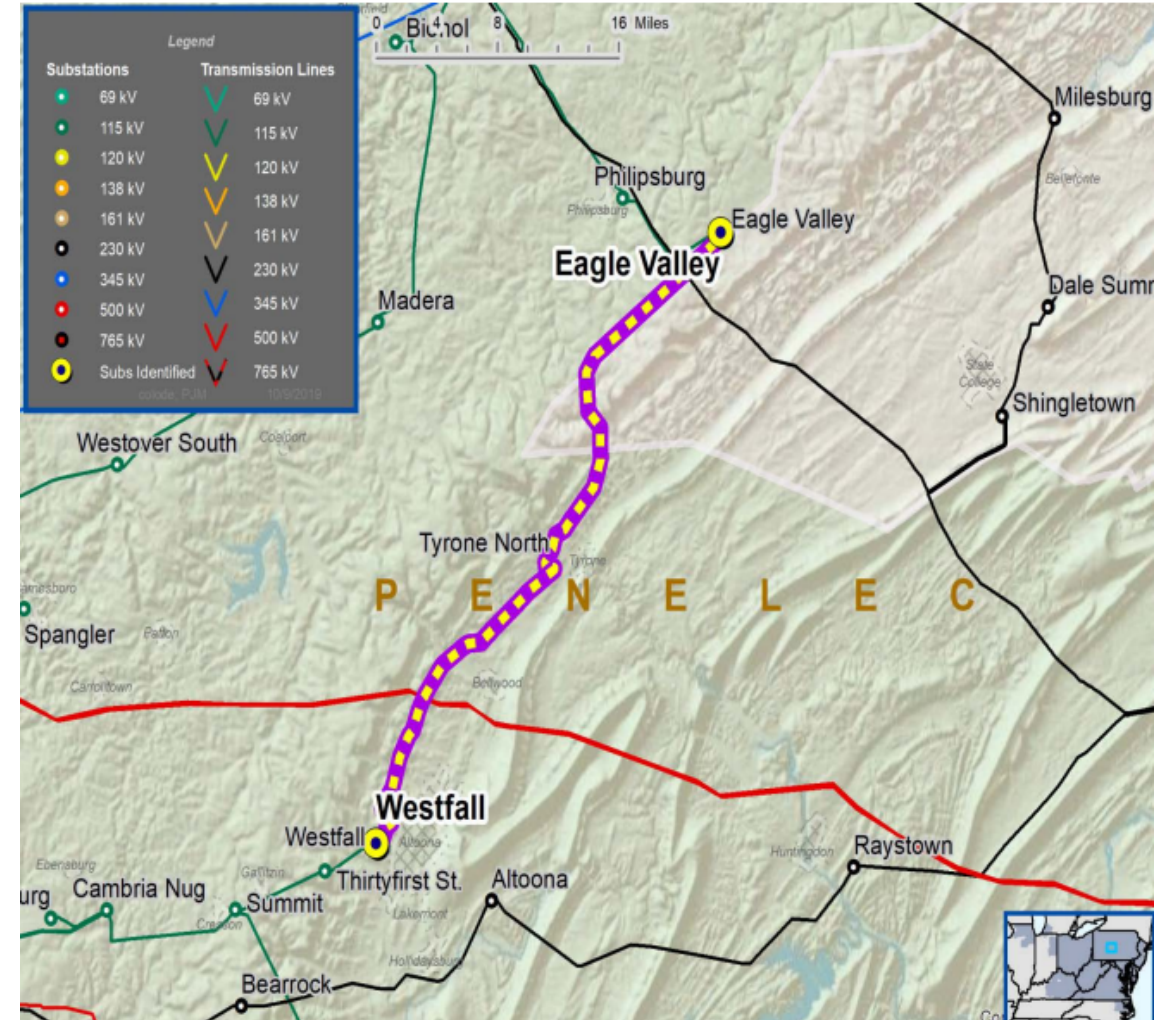
Line Condition Rebuild/Replacement

- Age/condition of wood pole transmission line structures

Problem Statement:

The Eagle Valley – Westfall 115 kV line is exhibiting deterioration resulting in increased maintenance. The structures are approaching end of life. The line was originally constructed in 1956.

- Total line distance is approximately 20.7 miles
- 147 out of 154 structures failed inspection (95% failure rate)
- Failure reasons include age, woodpecker damage, cracking, and decay.





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Need Number: PN-2019-036

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Proposed Solution:

- Rebuild 20.7 miles of the Eagle Valley - Westfall (EVW) 115 kV Line.
- Upgrade the substation conductor and 1200 A CT at Tyrone North Substation to exceed transmission line ratings.

Ratings:

Eagle Valley - Tyrone North 115 kV Line:

- Before Proposed Solution: 202 / 245 / 228 / 290 MVA (SN/SE/WN/WE)
- After Proposed Solution: 232 / 282 / 263 / 334 MVA (SN/SE/WN/WE)

Tyrone North - Westfall 115 kV Line:

- Before Proposed Solution: 147 / 191 / 211 / 237 MVA (SN/SE/WN/WE)
- After Proposed Solution: 232 / 282 / 263 / 334 MVA (SN/SE/WN/WE)

Alternatives Considered:

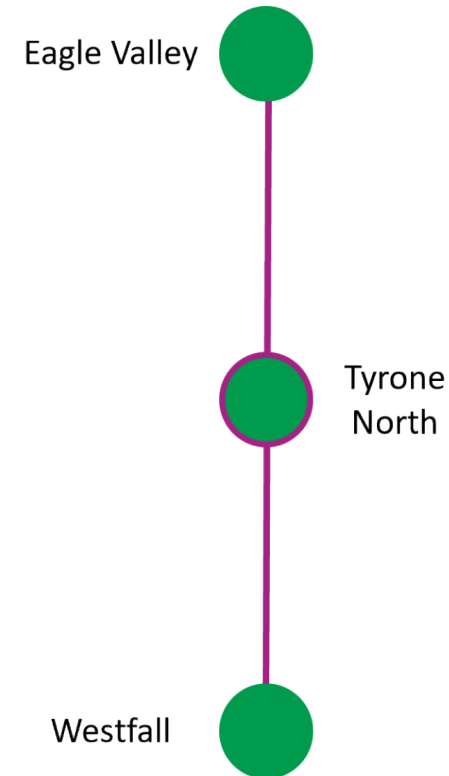
Maintain existing condition and elevated risk of failure.

Transmission Cost Estimate: \$51.69 M

Projected In-Service: 06/14/2030

Project Status: Conceptual

Model: 2025 RTEP Model for 2030 Summer



Legend	
500 kV	
345 kV	
230 kV	
138 kV	
115 kV	
69 kV	
46 kV	
34.5 kV	
23 kV	
New	

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

10/5/2026 – V1 – Original version posted to pjm.com