

Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects

October 17, 2024

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

Need Number: PN-2024-026

Process Stage: Need Meeting – 10/17/2024

Project Driver:

Equipment Material Condition, Performance, and Risk

Specific Assumption Reference:

System Performance Global Factors

- System reliability and performance
- Substation/Line equipment limits
- Load at Risk and Customers Impacted

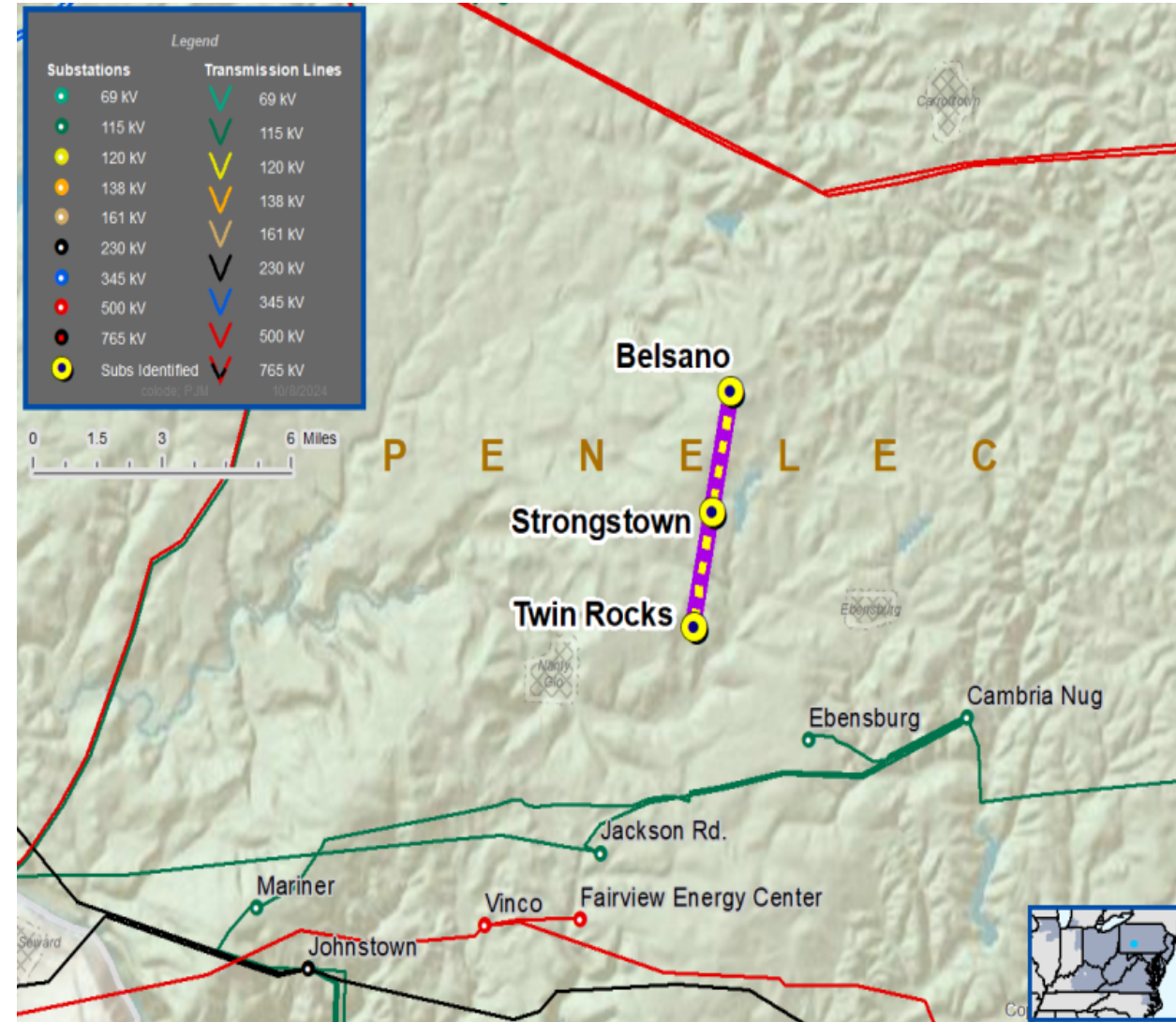
Line Condition Rebuild/Replacement

- Negative impact on equipment health and/or system reliability
- Limited availability of spare parts and/or vendor technical support

Problem Statement:

- Switches A-119 and A-120 on the Glory – Nanty Glo – Spangler 46 kV Line are obsolete and problematic to repair.
- Replacement components are difficult to source leading to non-standard repairs.
- The existing switches are on a four-pole wood box structure and can not be maintained without a complete line outage due to the required clearance requirements and are deteriorating with limited remaining life.
- The lines are currently limited by terminal equipment.

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Penelec Transmission Zone M-3 Process Glory – Nanty Glo – Spangler 46 kV Switches

Need #	Transmission Line / Substation Locations	Existing Line Rating MVA (SN / SE / WN / WE)	Existing Conductor Rating MVA (SN / SE / WN / WE)
PN-2024-026	Strongstown – Belsano 46 kV Line	55 / 69 / 72 / 83	81 / 98 / 91 / 116
	Strongstown – Twin Rocks 46 kV Line	55 / 69 / 72 / 83	67 / 81 / 75 / 95



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

10/07/2024 – V1 – Original version posted to pjm.com

10/8/2024 – V2- Map added to need PN-2024-026