

Subregional RTEP Committee – Mid-Atlantic FirstEnergy (Penelec) Supplemental Projects

February 17, 2022

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-2022-002

Process Stage: Need Meeting 2/17/2022

Project Driver:

- Equipment material condition, performance and risk
- Operational Flexibility and Efficiency

Specific Assumption Reference:

System Performance

- Network radial lines
- Operational Flexibility

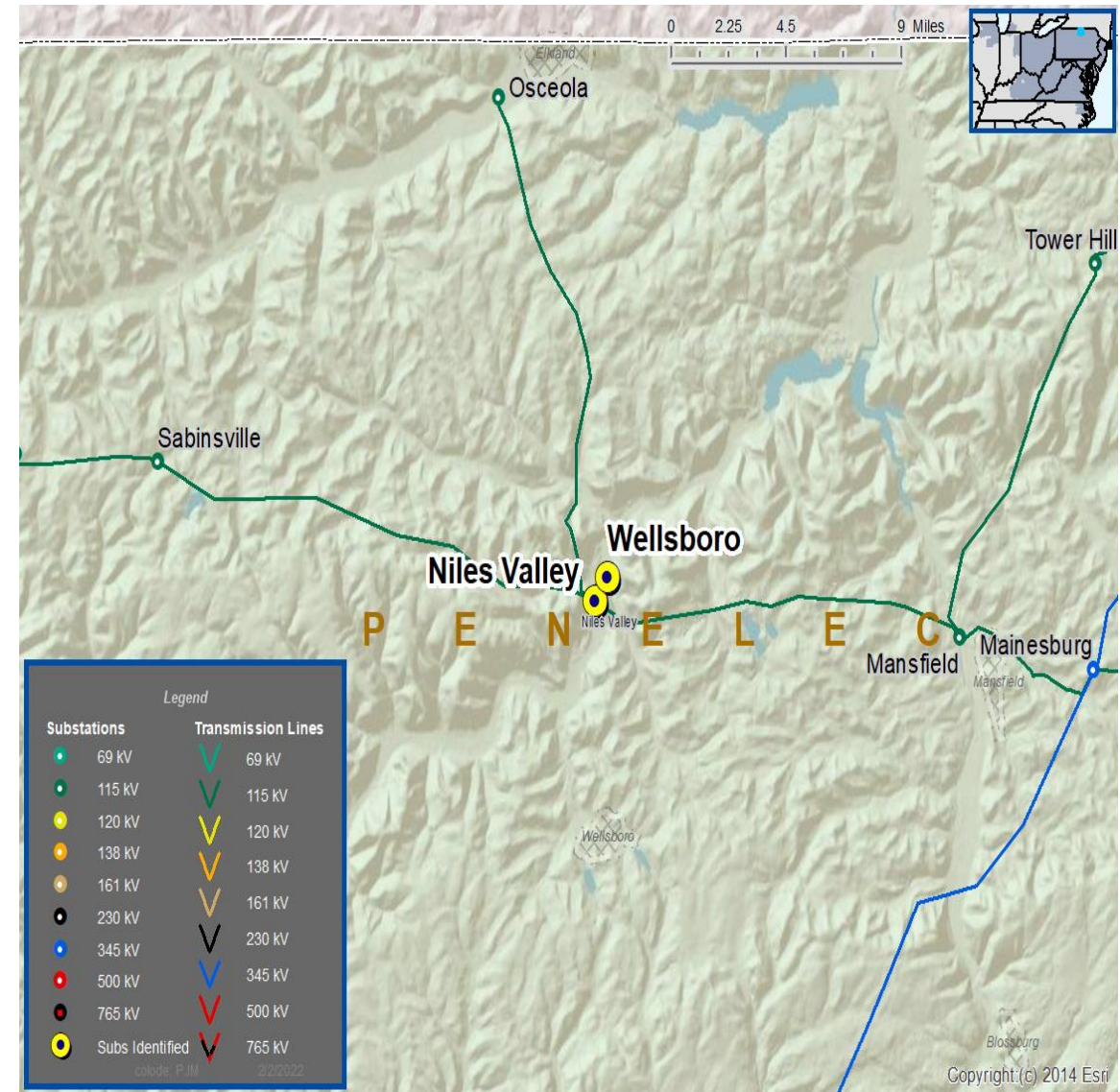
Problem Statement:

The Niles Valley - Wellsboro 115 kV Line serves 23 MW and 6,300 customers via an approximate 6.3 mile radial line. The delivery point on the radial 115 kV does not have any transfer capability. The line will experience long duration outages for breaker and bus maintenance. Furthermore, a transformer fault, stuck bus tie breaker, or bus outage of the east most 115 kV bus at Niles Valley Substation will outage all load and customers served via the Niles Valley – Wellsboro 115 kV Line for the outage duration or until switching, isolation, and restoration can be executed.

Transmission line rating is limited by terminal equipment but has adequate capacity to serve the radial load.

Niles Valley – Wellsboro 115 kV (substation conductor)

- Existing line rating: 147 / 191 MVA (SN / SE)
- Existing conductor rating: 232 / 282 MVA (SN / SE)



Questions?



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

2/7/2021 – V1 – Original version posted to pjm.com