

# Transmission Expansion Advisory Committee FirstEnergy Supplemental Projects

July 9th, 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:** JCPL-2024-040

**Process Stage:** Need Meeting – 07/09/2024

**Project Driver:**

*Equipment Material Condition, Performance and Risk*

**Specific Assumption Reference:**

System Performance Projects Global Factors

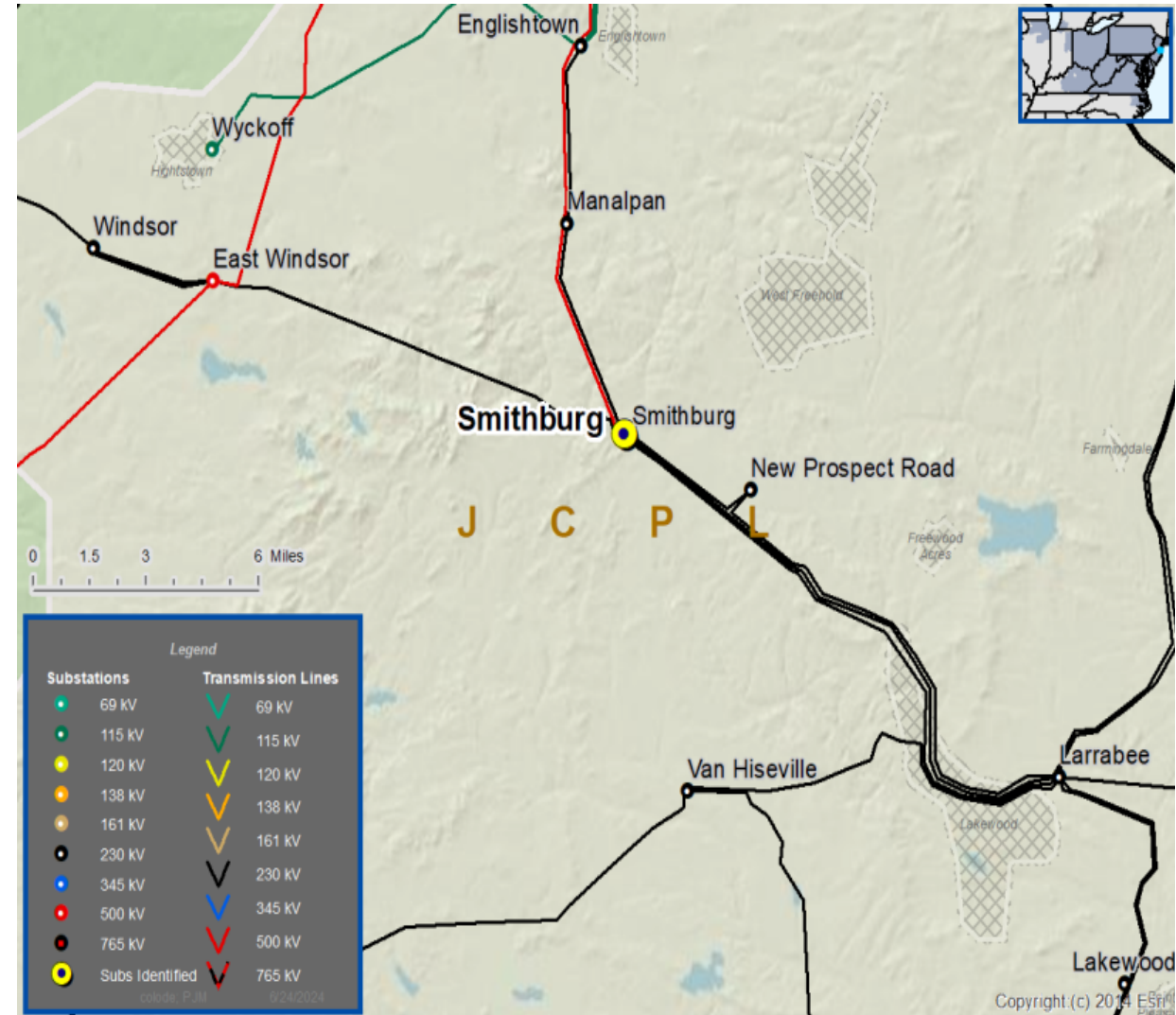
- System reliability and performance
- Add/Replace Transformers

**Problem Statement:**

- As part of the New Jersey Clean Energy Corridor (SAA) project (b3737.30), a new 500/230 kV transformer will be installed at Smithburg Substation consisting of three single phase units.
- The existing No. 4 500/230 kV transformer at Smithburg Substation is a three-phase unit.
- The new 500/230 kV transformer will not have a similar rating and impedance as the existing transformer.
- Separate spares will need to be maintained for each transformer.

**Existing Smithburg No. 4 500/230 kV Transformer Ratings:**

- 862 / 1085 MVA SN/SSTE
- 1089 / 1209 MVA WN/WSTE



# 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

6/28/2024– V1 – Original version posted to pjm.com