

Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects MetEd 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

Need Number: ME-2025-001

Process Stage: Solution Meeting –SRRTEP-MA – 02/12/2026

Previously Presented: Need Meeting – SRRTEP-MA – 03/13/2025

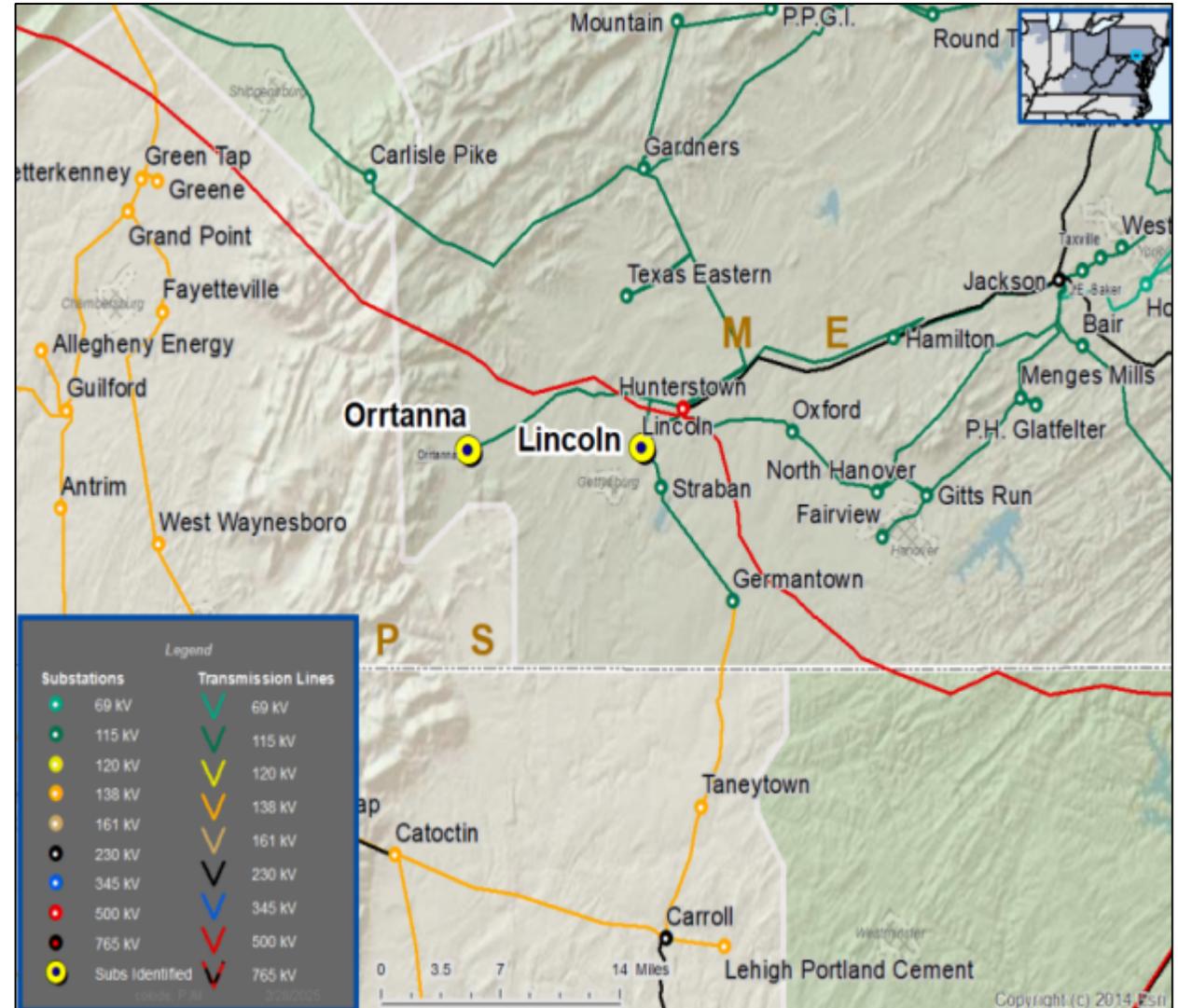
Project Driver:
Customer Service

Specific Assumption References:

New customer connection request will be evaluated based on FirstEnergy's "Requirements for Transmission Connected Facilities" document and FirstEnergy's "Transmission Planning Criteria" document.

Problem Statement:

New Customer Connection – A customer requested a new 115 kV delivery point near the Lincoln - Orrtanna 115 kV Line. The anticipated load of the new customer connection is 22 MVA. The request is approximately three miles from Orrtanna Substation.



MetEd Transmission Zone M-3 Process Lincoln-Orrtanna 115 kV Customer Connection, PA

Need number: ME-2025-001

Process Stage: Solution Meeting – SRRTEP-MA – 02/12/2026

Proposed Solution:

- Tap the Lincoln - Orrtanna 115 kV Line and install 2 network SCADA controlled switches and 1 radial SCADA controlled switch
- Construct 1-2 spans of transmission line conductor from tap location to new Customer substation
- Install 115 kV revenue metering
- Adjust relay settings at Lincoln Substation and Orrtanna Substation.

Transmission Line Ratings:

Orrtanna - West Gettysburg 115 kV Line and Lincoln - West Gettysburg 115 kV Line:

- Before Proposed Solution: 147 / 180 / 187 / 211 MVA (SN/SE/WN/WE)
- After Proposed Solution: 147 / 188 / 193 / 211 MVA (SN/SE/WN/WE)

Alternatives Considered:

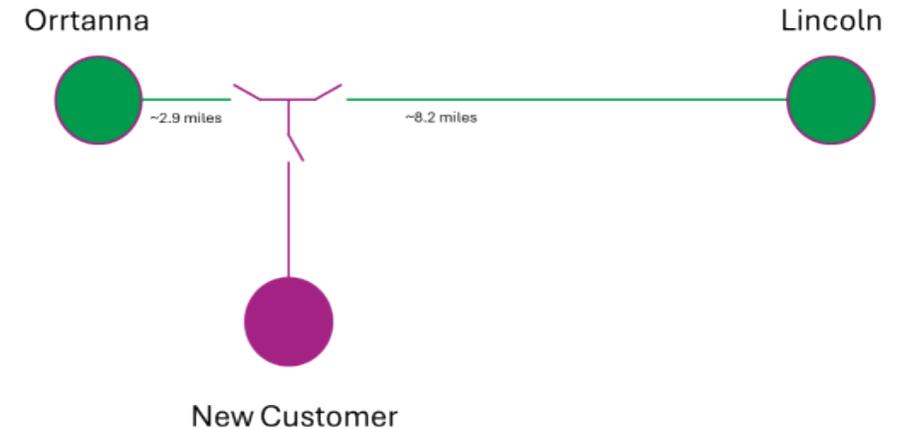
No reasonable alternatives were considered due to the customer's proximity to the Lincoln - Orrtanna 115 kV Line.

Transmission Cost Estimate: \$3.06M

Projected In-Service: 04/08/2031

Project Status: Conceptual

Model: 2024 RTEP model for 2029 Summer (50/50)



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

02/02/2026 – V1 – Original version posted to pjm.com