

Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects

MetEd Transmission Zone

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: ME-2026-010

Process Stage: Need Meeting – SRRTEP-MA – 09/17/2026

Project Driver:

Equipment Condition/Performance/Risk

Specific Assumption References:

System Performance Global Factors

- System reliability/performance
- Substation/Line equipment limits

Substation Condition Rebuild/Replacement

- Age/condition of substation equipment
- Circuit breakers and other fault interrupting devices

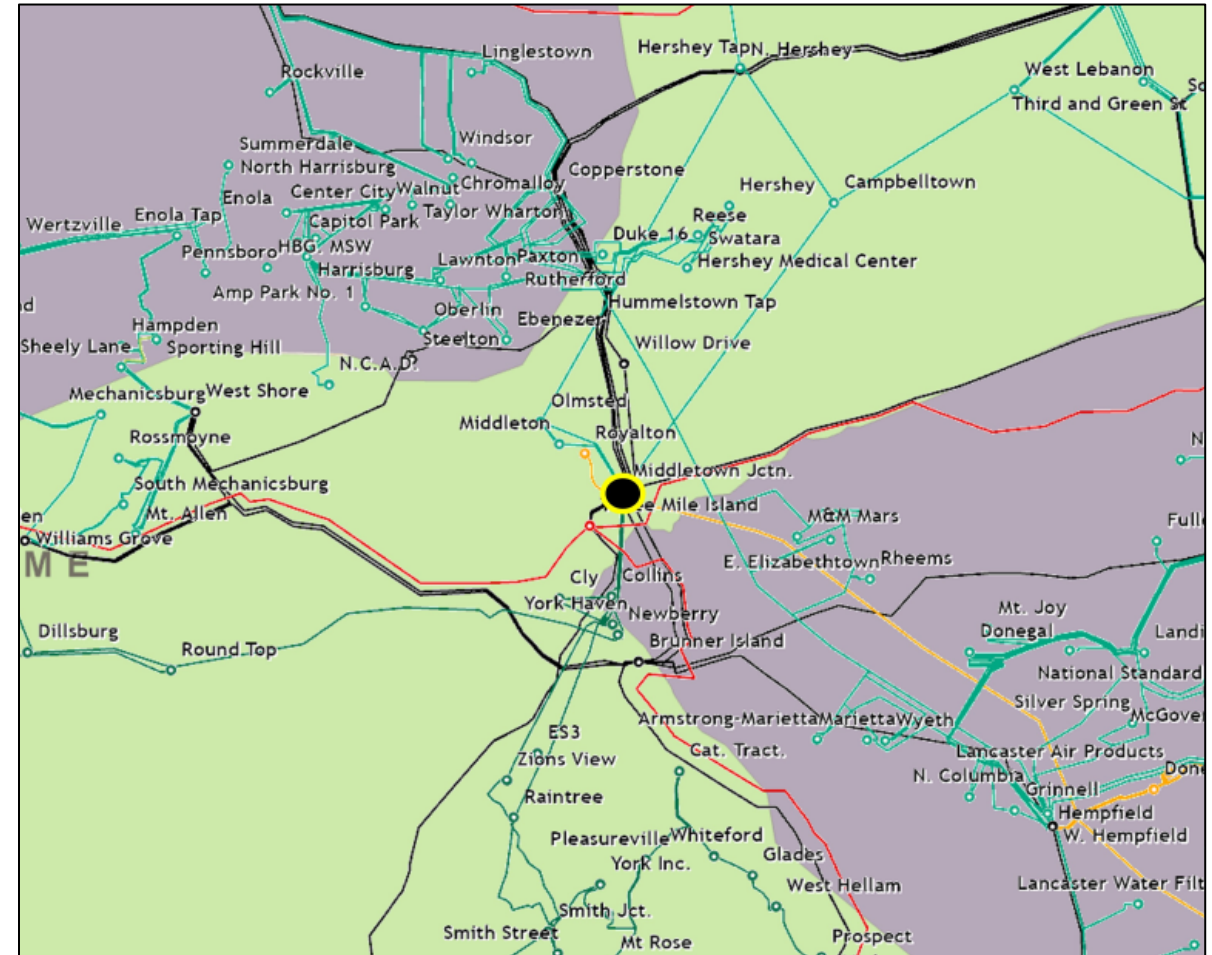
Problem Statement:

The existing T42 115 kV breaker at Middletown Junction Substation is 73 years old and is approaching end of life. The existing T82 115 kV breaker at Middletown Junction Substation is 76 years old and is approaching end of life.

The circuit breakers T42 and T82 were previously named 98042 and 98082 on the Middletown - Middletown Junction 115 kV 980 Line. The Middletown - Middletown Junction 115 kV 980 Line was abandoned in 2008, and these two breakers were left in place as the "tie" between the two 115 kV busses. These two breakers are in series with each other.

Middletown - Middletown Junction 115 kV 980 Line:

- Previous Transmission Line Ratings: 80 / 96 / 90 / 114 MVA (SN/SE/WN/WE)
- Previous Conductor Ratings: 80 / 96 / 90 / 114 MVA (SN/SE/WN/WE).



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



MetEd Transmission Zone M-3 Process Germantown Substation Customer Connection

Need Number: ME-2026-007

Process Stage: Solution Meeting – SRRTEP-MA – 09/17/2026

Previously Presented: Need Meeting – SRRTEP-MA – 06/16/2026

Project Driver:

Customer Service

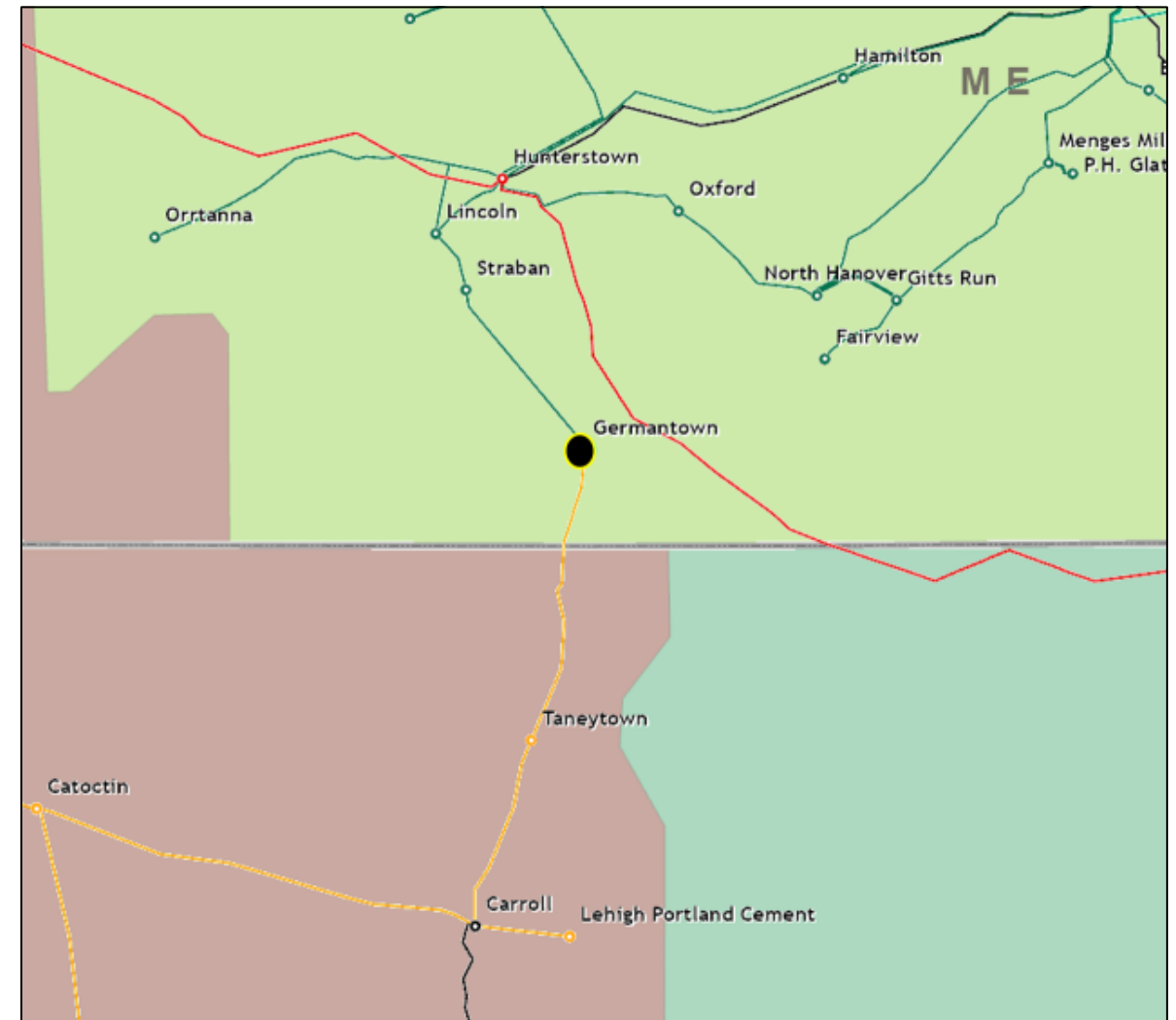
Specific Assumption References:

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

Problem Statement:

New Customer Connection - A retail customer requested service for load of approximately 25 MW near the existing Taneytown No.1 Substation. Refer to APS-2026-021.

Requested in-service date is 12/30/2028.





MetEd Transmission Zone M-3 Process Germantown Substation Customer Connection

Need Number: ME-2026-007
Process Stage: Solution Meeting – SRRTEP-MA – 09/17/2026
Proposed Solution:

- Protection/terminal end relay setting changes at Germantown Substation.

Alternatives Considered:
No reasonable alternatives due to the customer's proximity to the Germantown Substation.

Estimated Project Cost: \$130,000
Projected In-Service: 01/31/2029
Project Status: Conceptual
Model: 2025 RTEP model for 2030 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

09/08/2026 – V1 – Original version posted to pjm.com