

Sub Region RTEP Mid-Atlantic Committee ACE Supplemental Projects

January 9, 2024

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

ACE Transmission Zone M-3 Process Mickleton 230/69 kV T1 Replacement

Need Number: ACE-2023-001

Process Stage: Solution Meeting 01/09/24

Previously Presented: Need Meeting 10/31/23

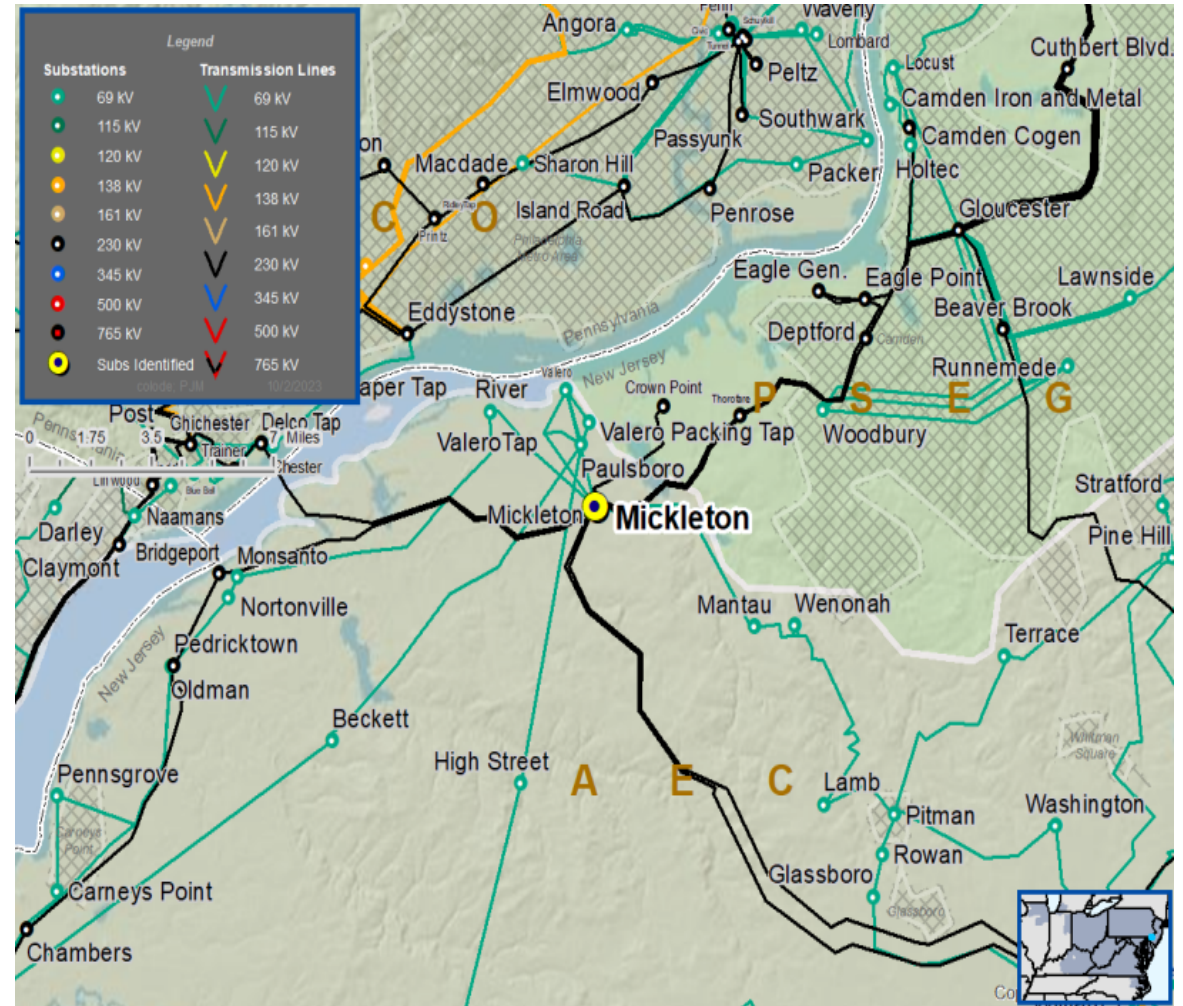
Project Driver: Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions
- Programmatic review and/or replacement of breakers, relays, wood poles, cables, etc.

Problem Statement:

- Mickleton 230/69 kV T1 transformer was originally installed in 1987. The transformer is in deteriorating condition due to insulation wear and
- recurring cooling issues.





ACE Transmission Zone M-3 Process Mickleton 230/69 kV T1 Replacement

Need Number: ACE-2023-001

Process Stage: Solution Meeting 12/05/23

Previously Presented: Need Meeting 10/31/23

Proposed Solution: At Mickleton Substation, replace the existing transformer with a new 230/69 kV three-phase autotransformer

Facility	Summer Normal (MVA)	Summer Emergency (MVA)	Winter Normal (MVA)	Winter Emergency (MVA)
Mickleton 230/69kV T1	Existing			
	185	220	212	239
Mickleton 230/69kV T1	Proposed			
	239	239	239	239

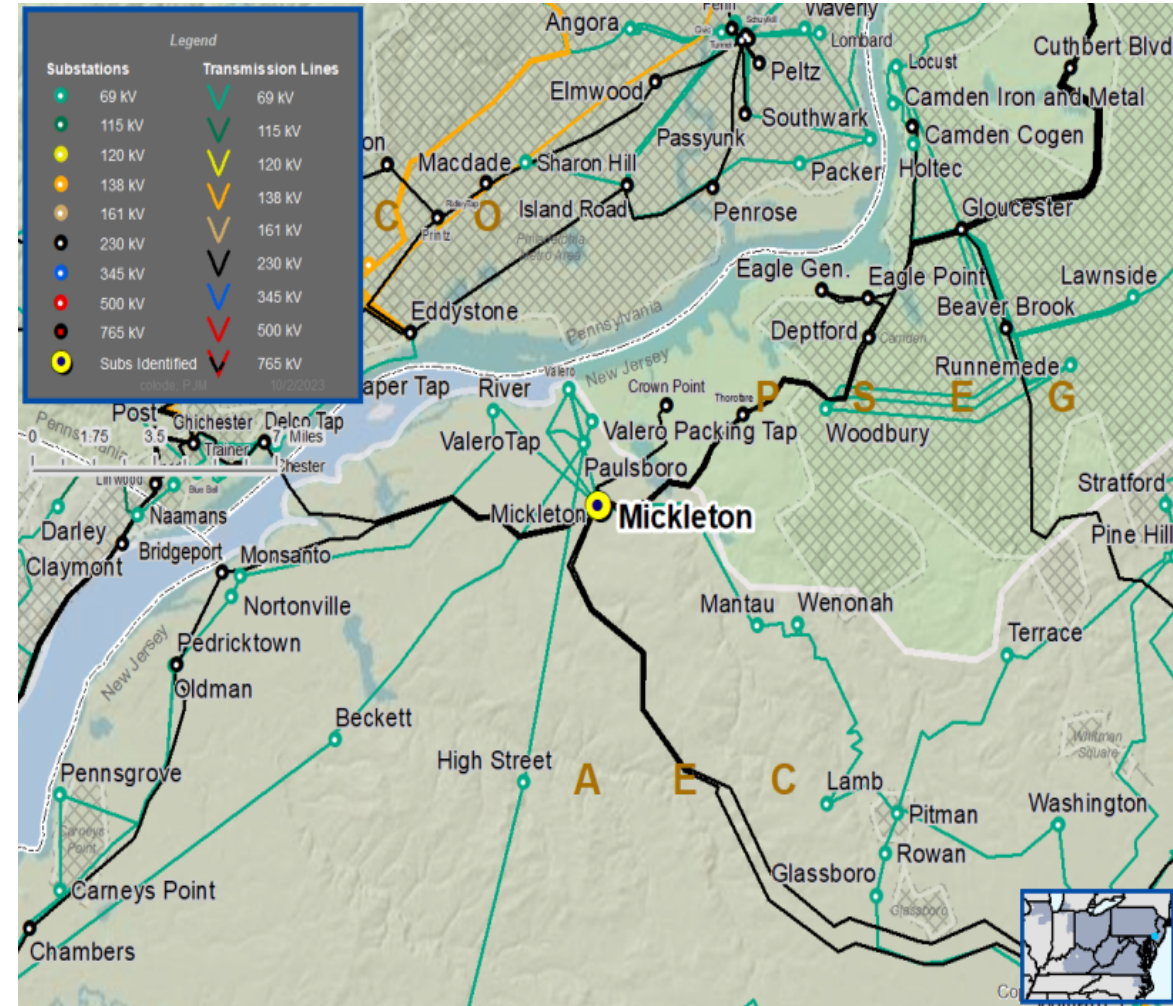
Estimated Cost: \$5.9 M

Alternatives Considered: No other feasible alternative

Projected In-Service: 05/31/2025

Project Status: Engineering

Model: 2028 RTEP



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

12/27/2022 – V1 – Original version posted to pjm.com