

Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects

JCPL 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

JCPL Transmission Zone M-3 Process Morris Court 34.5 kV Substation – Customer Interconnection, NJ

Need Number: JCPL-2025-011

Process Stage: Solution Meeting - SRRTEP-MA - 01/15/2026

Previously Presented: Need Meeting - SRRTEP-MA - 12/11/2025

Project Driver:

Customer Service

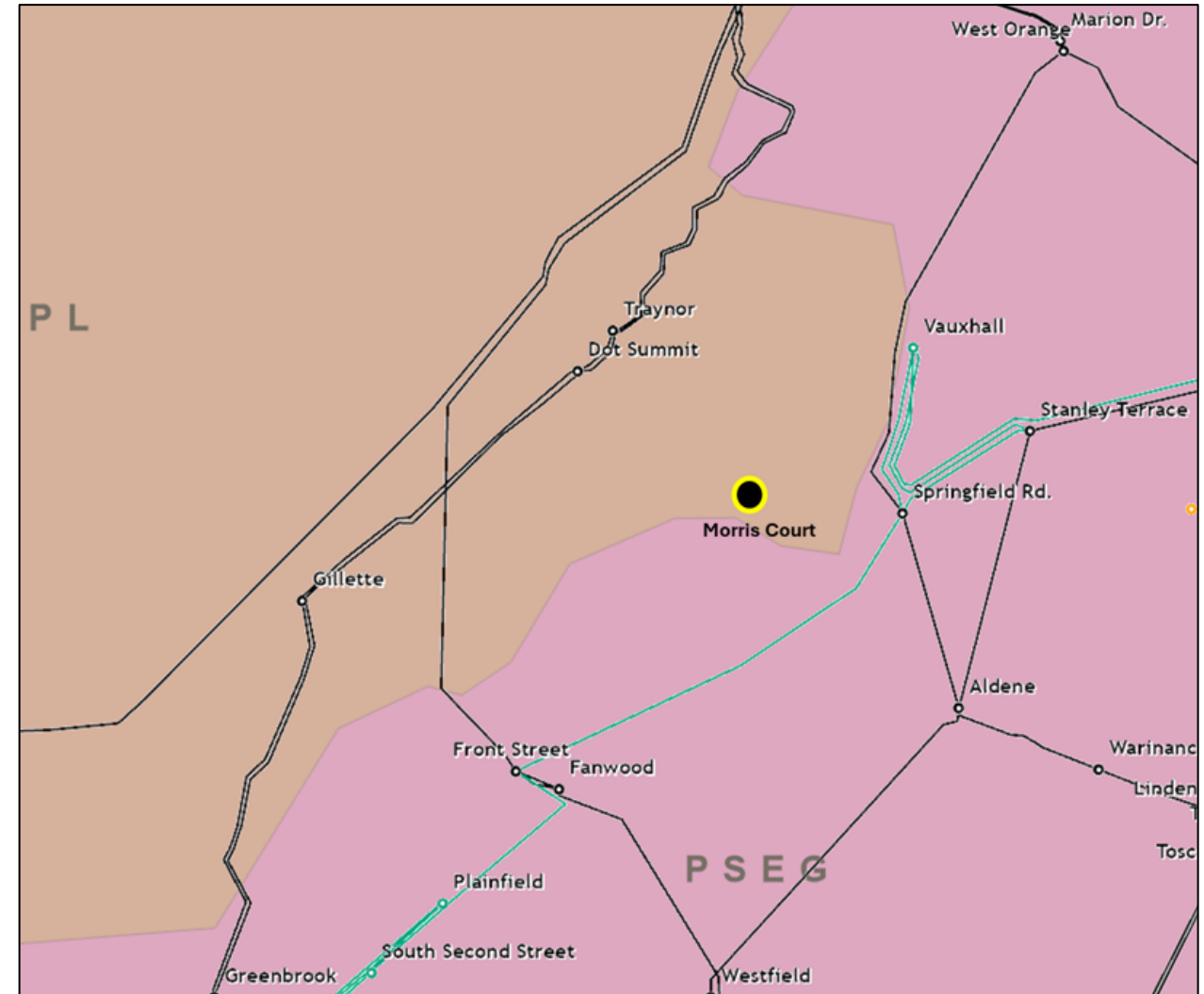
Specific Assumption References:

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 customer requested 34.5 kV service for load of approximately 10 MW at Morris Court Substation.

Requested in-service date is 9/14/2026.



JCPL Transmission Zone M-3 Process Morris Court 34.5 kV Substation – Customer Interconnection, NJ

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Proposed Solution:

- Provide connection for a second transformer at Morris Court Substation
- Upgrade remote terminal end relay settings at Briant Park and Traynor substations
- Install wholesale revenue metering

Alternatives Considered:

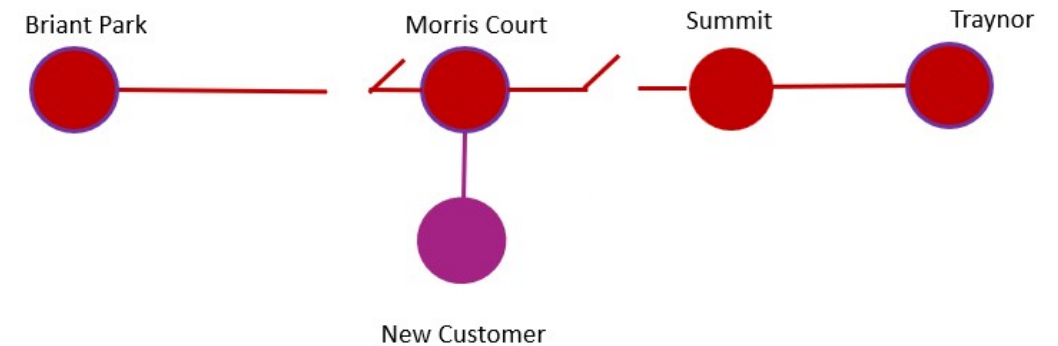
No reasonable alternatives to meet the customers request due to the proximity of the service location to the Morris Court Substation.











Estimated Project Cost: \$110,000

Projected In-Service: 09/14/2026

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

1/5/2026 – V1 – Original version posted to pjm.com