

Subregional RTEP Committee - Mid-Atlantic FirstEnergy Supplemental Projects

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 Briant Park – Traynor 34.5 kV I35 Line Customer Connection

Need Number: JCPL-2025-002

Process Stage: Solution Meeting – 06/12/2025

Previously Presented: Need Meeting – 03/13/2025

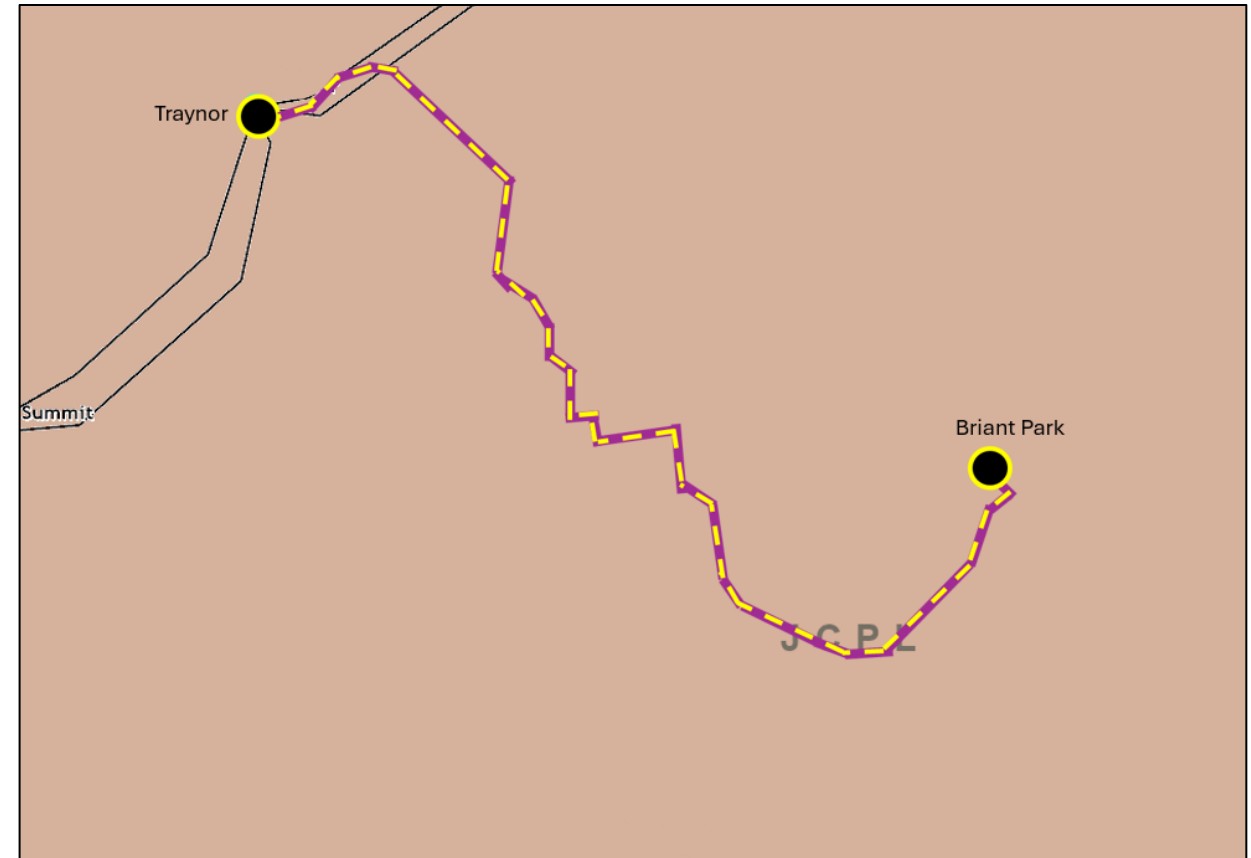
Project Driver: Customer Service

Specific Assumption Reference:

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 34.5 kV service for load of approximately 5 MVA near Morris Court Substation on the Briant Park - Traynor 34.5 kV I35 Line.
Requested in service date: 6/30/2025.



JCPL Transmission Zone M-3 Process

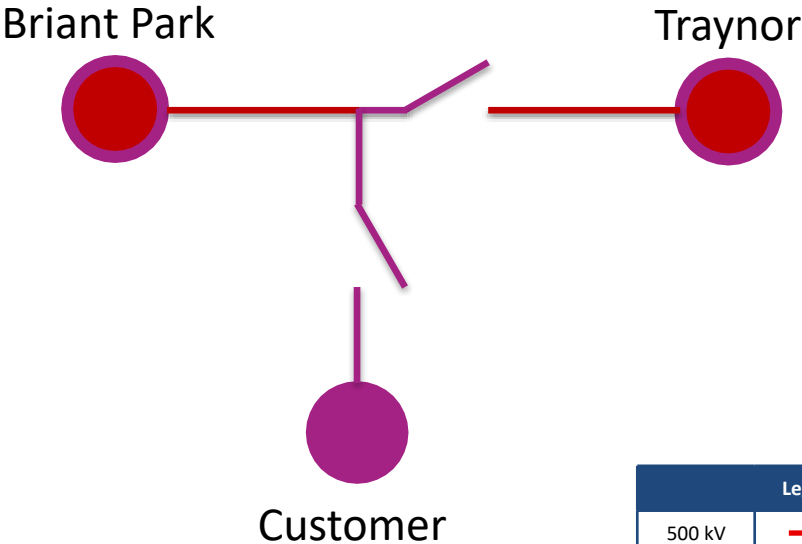
Briant Park – Traynor 34.5 kV I35 Line Customer Connection











Need Number: JCPL-2025-002
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Proposed Solution:
 Tap the Briant Park – Traynor 34.5 kV I35 Line and extend approximately one span to customer. Add one SCADA controlled in-line switch toward Traynor Substation and one SCADA controlled switch on tap toward customer. Modify relay settings at Briant Park and Traynor substations.

Alternatives Considered:
 Alternative 34.5 kV lines were considered, but the I35 line was selected due to its proximity to the customer.

Estimated Project Cost: \$0.50
Projected In-Service: 8/31/2025
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

06/02/2024 – V1 – Original version posted to pjm.com