

# Subregional RTEP Committee – Mid-Atlantic FirstEnergy (JCPL) Supplemental Projects

December 13, 2023

# 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:** JCPL-2023-007

**Process Stage:** Solution Meeting 12/13/2023

**Previously Presented:** Need Meeting 06/15/2023

**Project Driver:**

*Customer Service*

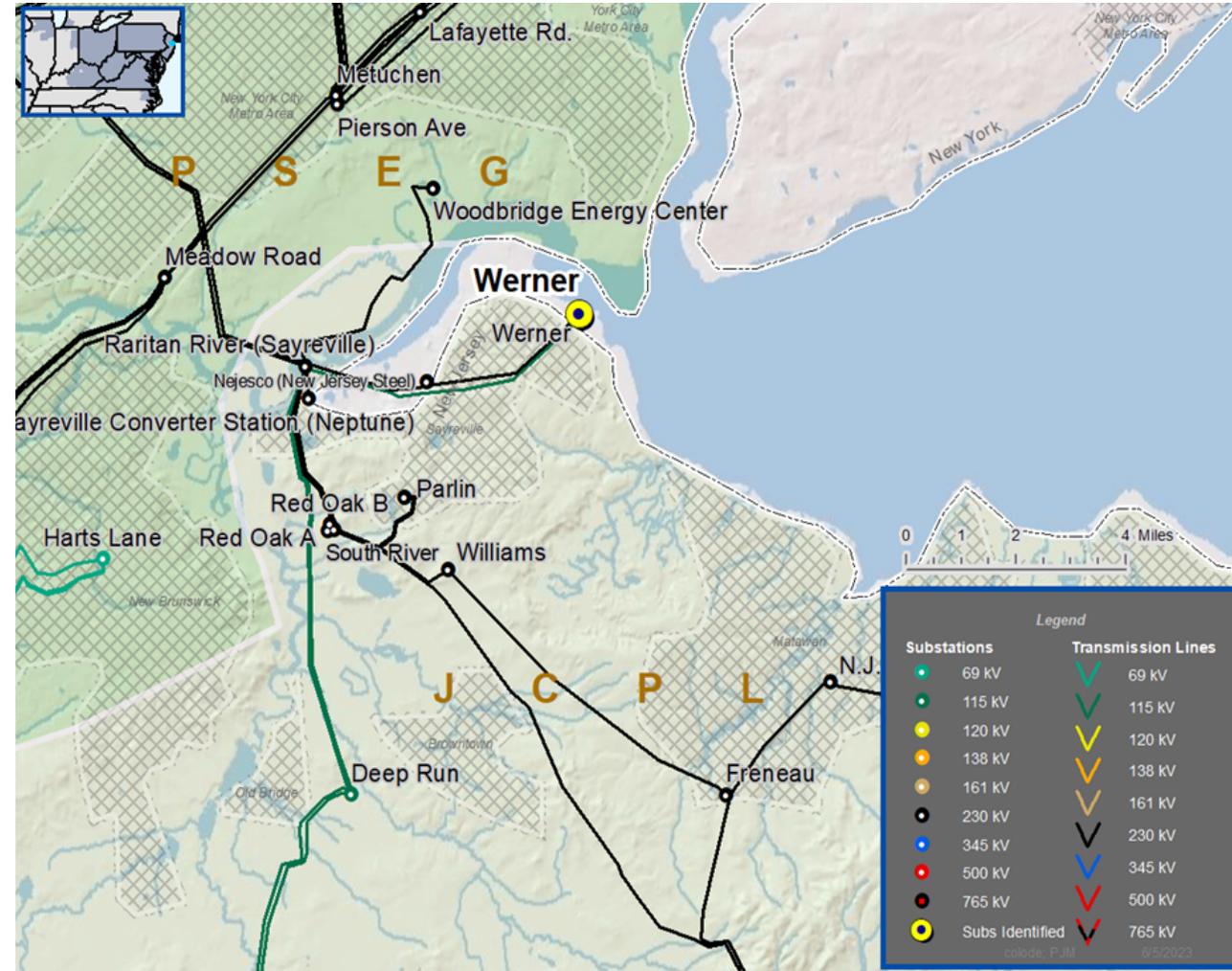
**Specific Assumption Reference:**

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 customer requested 34.5 kV service for load of approximately 29.9 MVA of capacity; location is near the Werner 115 kV Substation.

Requested in-service date is 12/31/2024





# JCPL Transmission Zone M-3 Process New Customer Connection

**Need Number:** JCPL-2023-007

**Process Stage:** Solution Meeting - 12/13/2023

## Proposed Solution:

### 115 kV Breaker Addition

- Install one 115 kV breaker to create a 115 kV five breaker ring bus and create a terminal for customer connection
- Modify relay settings/scheme to accommodate breaker addition

## Alternatives Considered:

- Tapping a nearby 115 kV transmission line.

**Estimated Project Cost:** \$1.5M

**Projected In-Service:** 12/31/2025

**Project Status:** Engineering

**Model:** 2023 RTEP model for 2028 Summer (50/50)



Legend	
500 kV	
345 kV	
230 kV	
138 kV	
115 kV	
69 kV	
46 kV	
34.5 kV	
23 kV	
New	

# 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

12/3/2023 – V1 – Original version posted to pjm.com