



TEAC Committee
PECO
Supplemental Projects

Feb 3, 2025

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: PE-2025-009

Process Stage: Need Meeting 11/4/2025

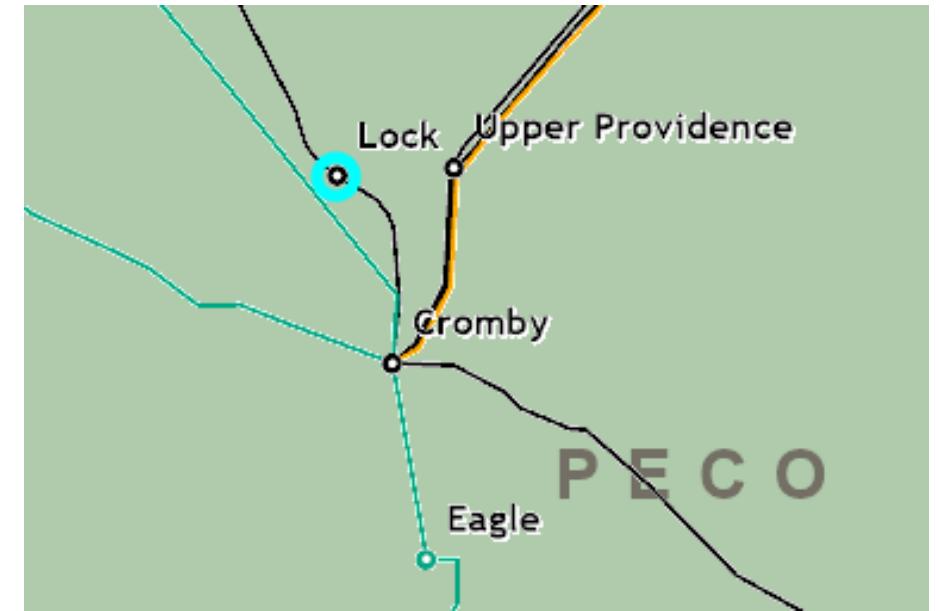
Project Driver: Customer Service

Specific Assumption Reference:

- Transmission System configuration changes due to new or expansion of existing distribution substations.

Problem Statement:

- Capacity planning forecasted additional load growth in the area that Lock substation currently does not have the capacity required to support in its current configuration.
- Lock substation only has a single distribution transformer, impacting reliability to customers in the region.



Need Number: PE-2025-009

Process Stage: Solutions Meeting 2/3/2026

Solution:

- Install a new 230 kV 4000A circuit breaker on the Lock 230 kV ring bus to create a position for the new transformer.

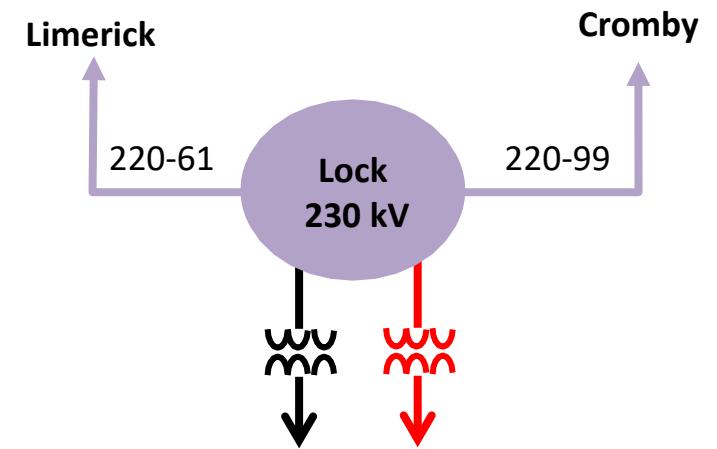
Estimated Transmission Cost: \$2.4 million

Alternatives Considered:

1. No feasible alternatives considered

In-Service: 12/31/2026

Project Status: Engineering



Existing 230 kV

Existing 34.5 kV

New 34.5 kV

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

1/23/2026 – V1 – Posted to pjm.com