



TEAC Committee
PECO
Supplemental Projects

May 8, 2026

Needs

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-2026-012

Process Stage: Need Meeting 5/8/2026

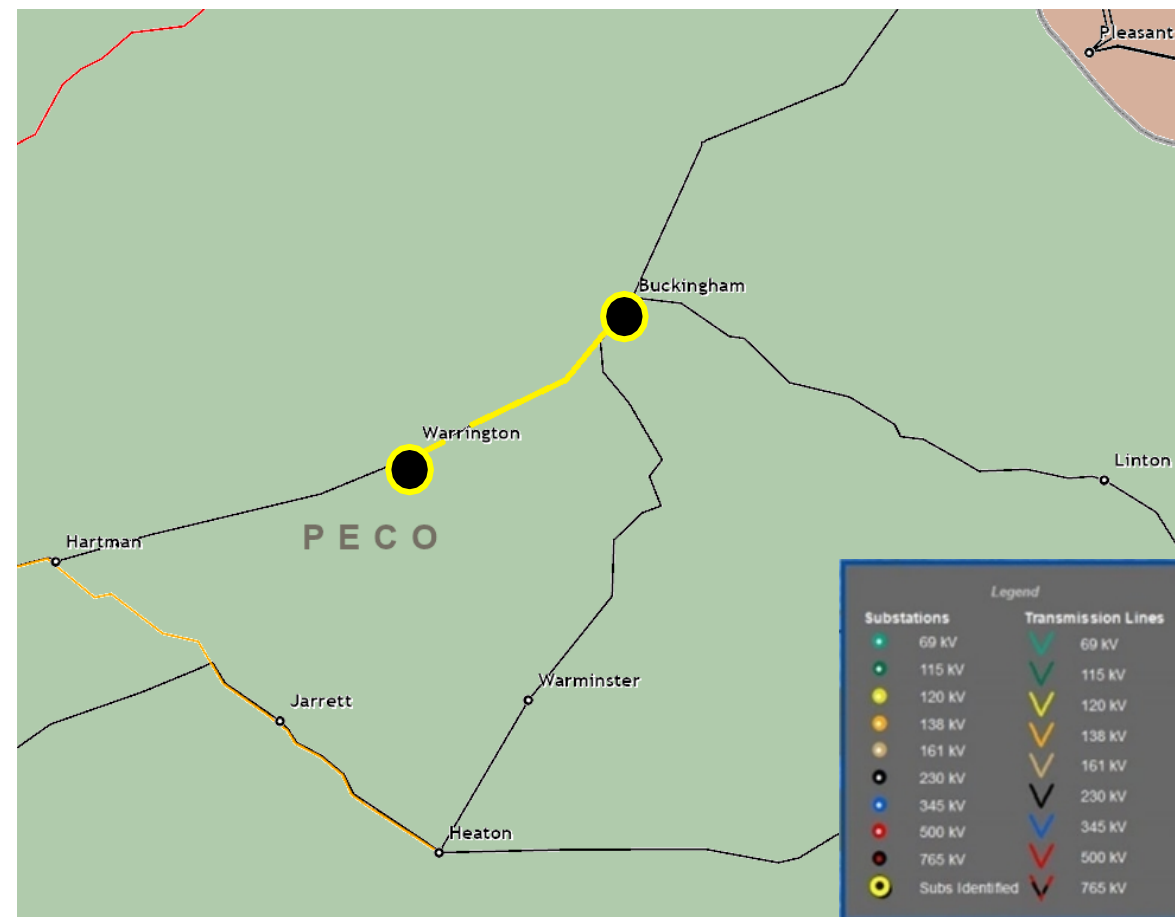
Project Driver: Equipment Material Condition, Performance, and Risk

Specific Assumption Reference:

- Programmatic review and/or replacement of breakers, relays, wood poles, etc.

Problem Statement:

- The 230 kV 220-19 Line between Buckingham and Warrington employs obsolete electromechanical relays that are being phased out of the system. It is becoming difficult to service existing electromechanical relays.



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-2026-006

Previously Presented: Need Meeting 4/7/2026

Process Stage: Solution Meeting 5/8/2026

Project Driver:

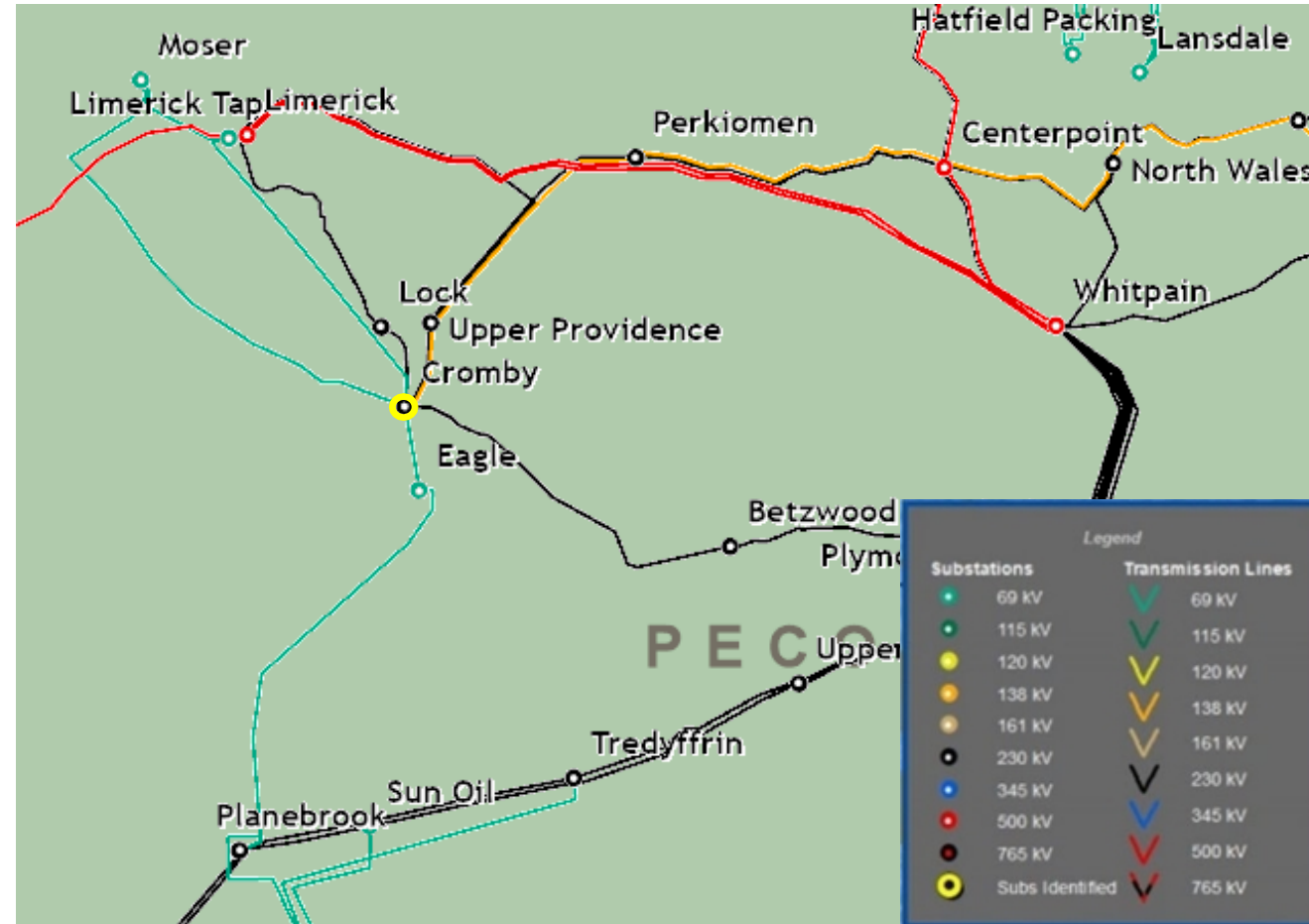
- Operational Flexibility and Efficiency
- Equipment Material Condition, Performance, and Risk
- Customer Service

Specific Assumption Reference:

- Enhancing system functionality, flexibility, visibility, or operability
- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions
- New transmission customer interconnections or modification to an existing customer

Problem Statement:

- The Cromby substation consists of 230kV, 138kV and 69kV facilities that don't meet current Exelon substation design standards. This non-standard substation design limits operational flexibility and reliability.
- The original Cromby substation was built in the 1930s and is at EOL. The average transformer age is 67 years old. The 69kV and 138kV yards include disconnect switches from the 1950s that no longer have replacement parts.
- This facility has also been identified as a limitation in ensuring ability to serve current and new customers.



Need Number: PE-2026-006

Process Stage: Solution Meeting 5/8/2026

Proposed Solution:

- Rebuild existing Cromby substation as a new 26 breaker 230kV BAAH and 6 breaker 69kV Ring-Bus connected by 3 230/69kV transformers.
 - Install 1 new 230/138kV transformer
 - Install 3 new 230kV positions for distribution transformers
- Retire **existing Cromby** 138kV substation yard.

Estimated Transmission Cost: \$115 M

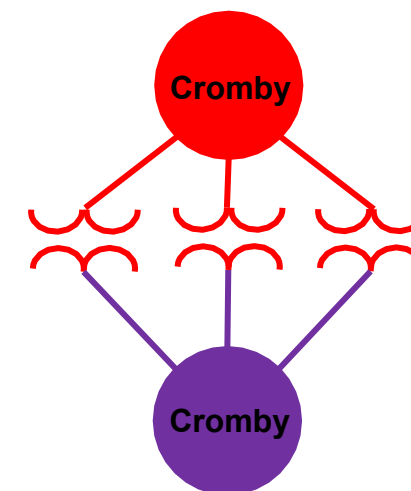
Alternatives Considered:



- No feasible alternatives

Projected In-Service: 06/01/2033

Project Status: Engineering

Model: 2029 RTEP



Legend	
New 230 kV	
New 69 kV	

Revision History

4/28/2026 – V1 – Original version posted to pjm.com