

# Transmission Expansion Advisory Committee – PECO Supplemental Projects

January 14, 2021

# 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-2020-013**

**Process Stage: Solution Meeting 1/14/2021**

**Previously Presented: Need Meeting 12/16/2020**

**Supplemental Project Driver:**

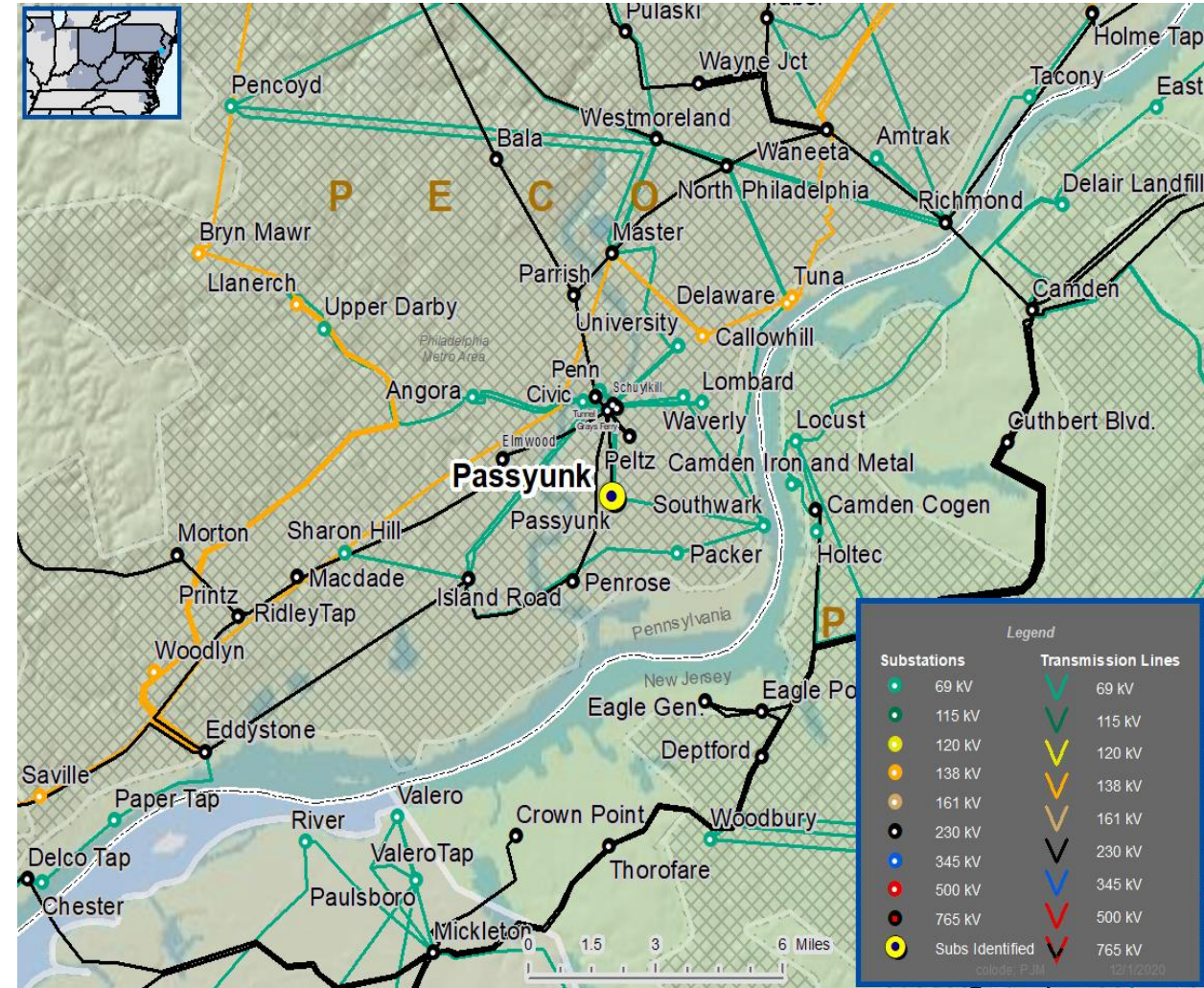
Equipment Material Condition, Performance, and Risk

**Specific Assumption Reference:**

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions
- Programmatic replacement of breakers, relays, wood poles, cables, etc.

**Problem Statement:**

Passyunk 69kV circuit breaker #235 installed in 1968 is in deteriorating condition due to oil leaks, replacement part availability, and elevated maintenance cost.





**Need Number: PE-2020-013**

**Process Stage: Solution Meeting 1/14/2021**

**Proposed Solution:**

Passyunk 69kV circuit breaker #235.

The estimated cost of the project is \$0.6M

Existing rating 2000 A, 40kA

New rating 2000 A, 50kA

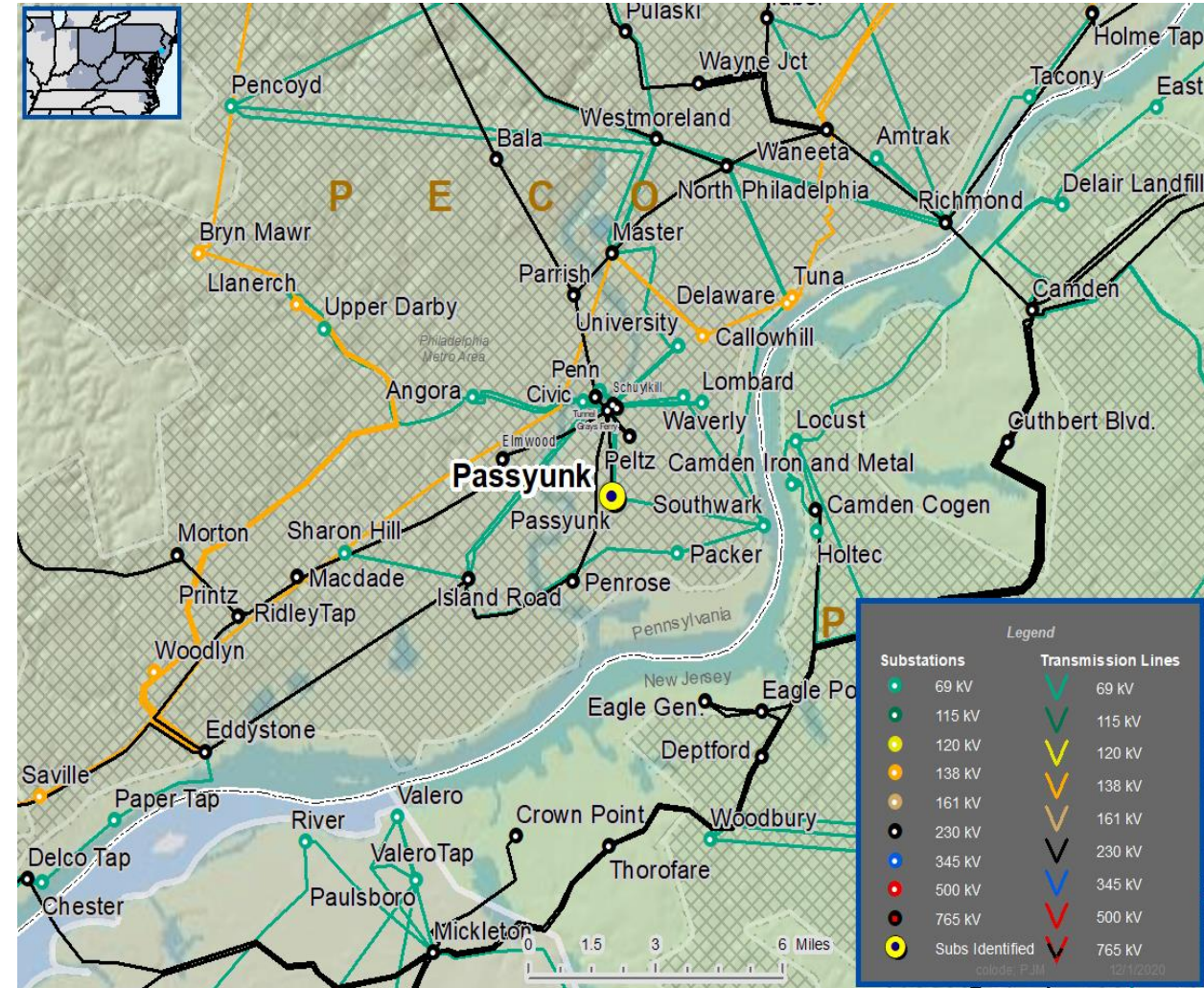
**Alternatives Considered:**

None

**Projected In-Service: 6/1/2021**

**Project Status: Engineering**

**Model: 2025 RTEP**





**Need Number: PE-2020-014**

**Process Stage:** Solution Meeting 1/14/2021

**Previously Presented:** Need Meeting 12/16/2020

**Supplemental Project Driver:**

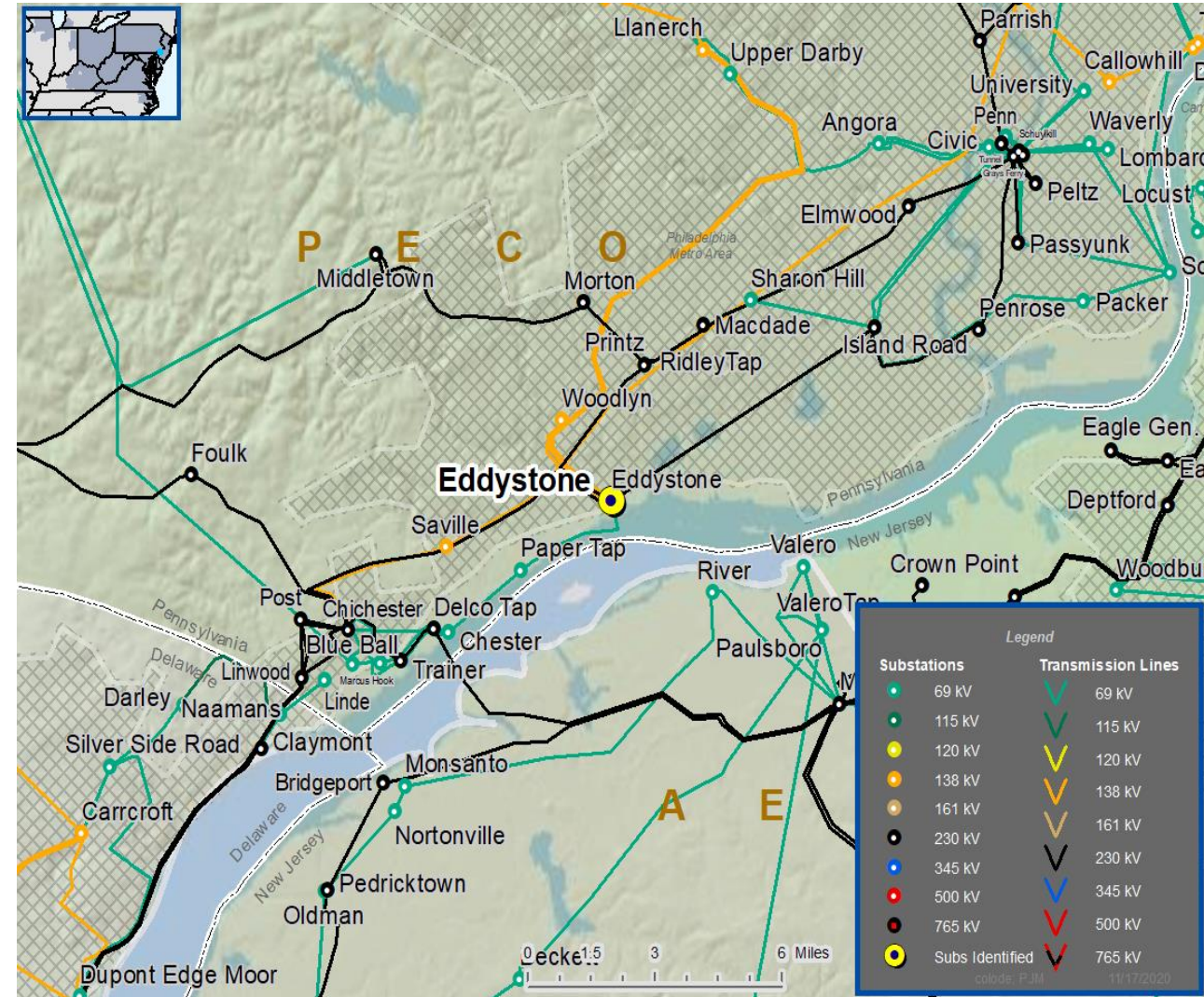
Equipment Material Condition, Performance, and Risk

**Specific Assumption Reference:**

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions
- Programmatic replacement of breakers, relays, wood poles, cables, etc.

**Problem Statement:**

Eddystone 138kV circuit breaker #255 installed in 1968 is in deteriorating condition due to oil leaks, replacement part availability, and elevated maintenance cost.







# M-3 Process PECO Transmission Zone Eddystone substation

**Need Number: PE-2020-014**

**Process Stage: Solution Meeting 1/14/2021**

## Proposed Solution:

Eddystone 138kV circuit breaker #255.

The estimated cost of the project is \$0.8M

Existing rating 2000 A, 50kA

New rating 3000 A, 63kA

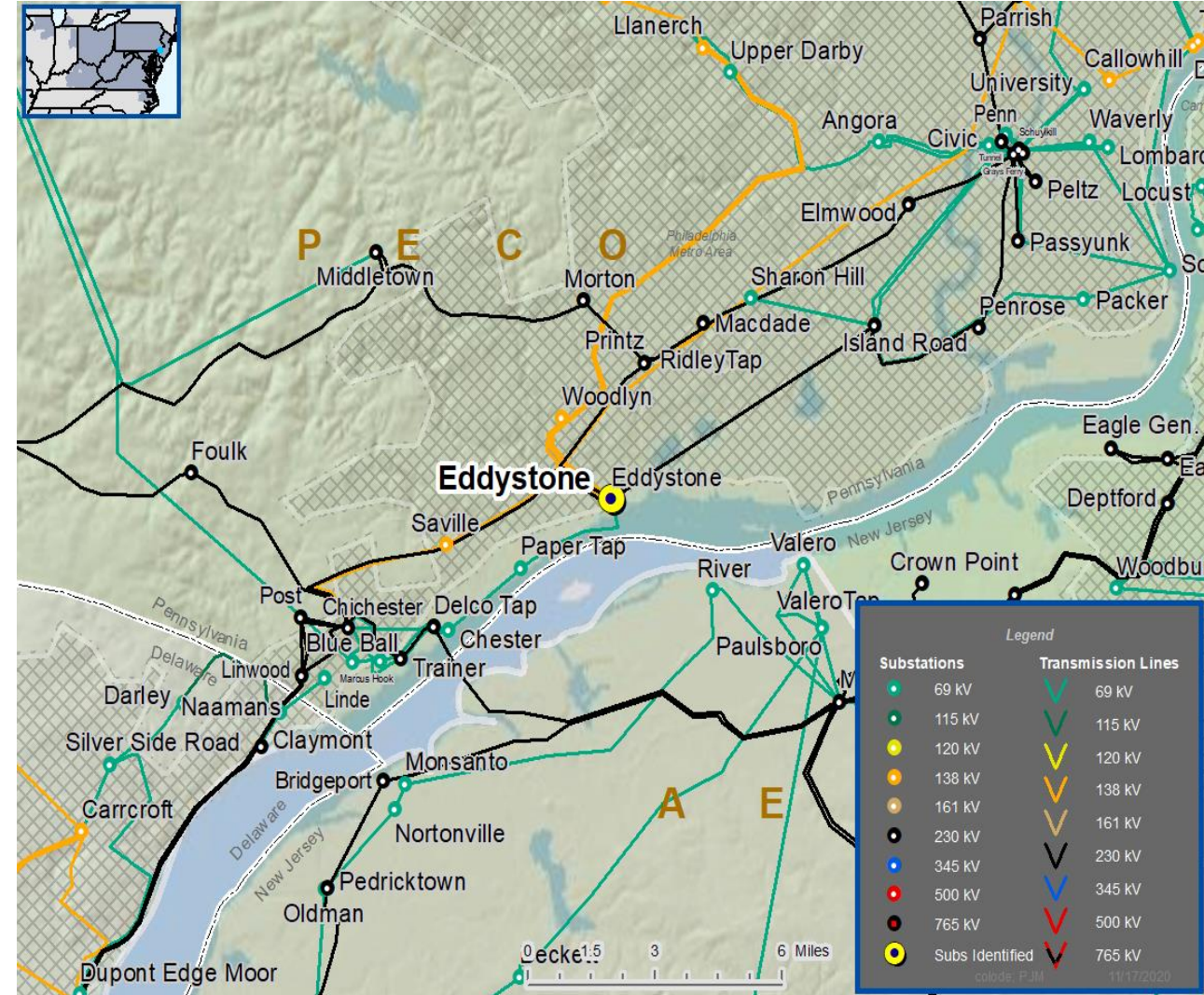
## Alternatives Considered:

None

**Projected In-Service: 6/1/2021**

**Project Status: Engineering**

**Model: 2025 RTEP**



# 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

1/4/2021 - V1 – Original version posted to pjm.com