



# Sub Region RTEP Mid-Atlantic Committee PEPCO Supplemental Projects

November 16, 2023



# 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:** PEP-2023-020

**Process Stage:** Need Meeting 11/16/2023

**Project Driver:**

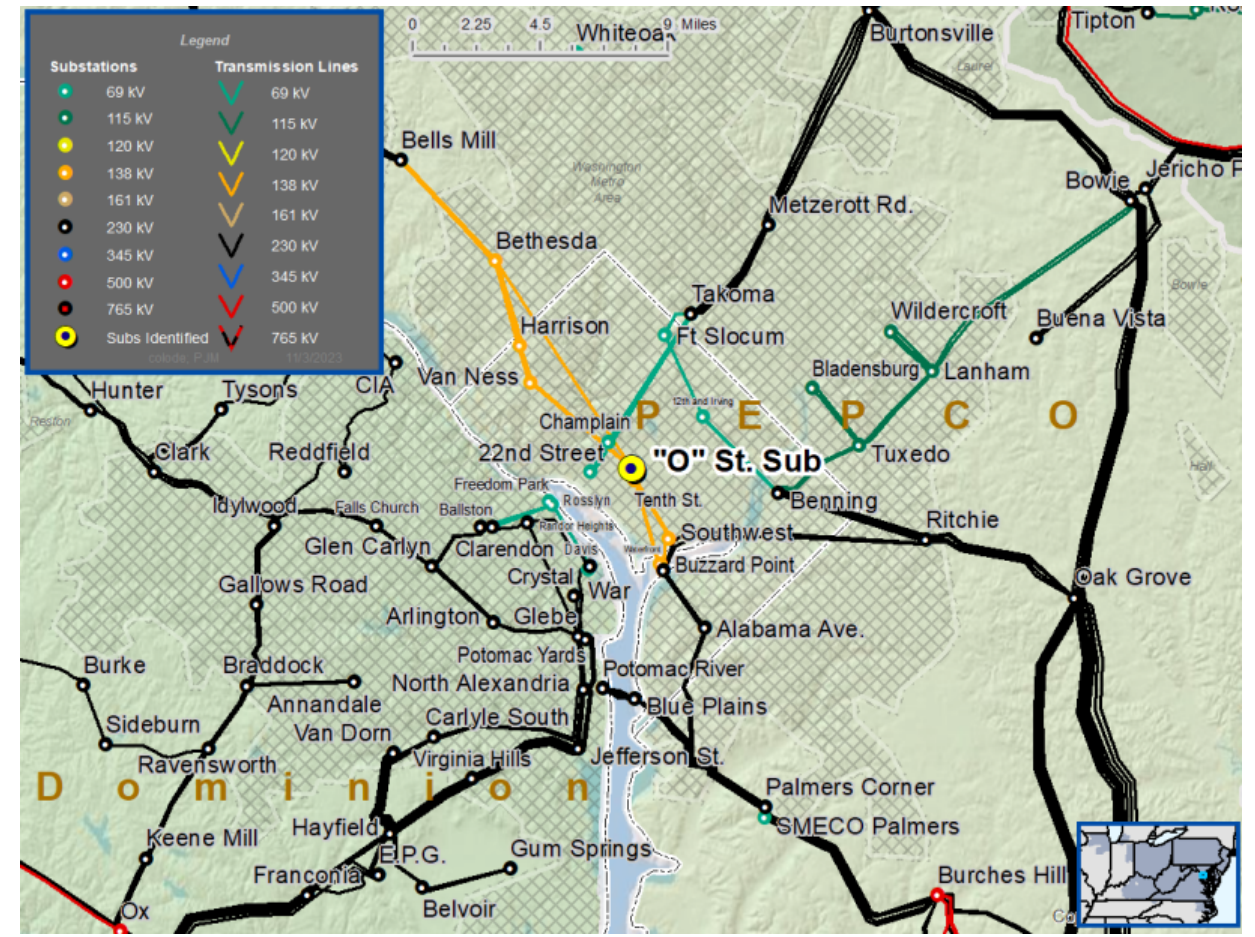
Equipment Material Condition, Performance and Risk.

**Specific Assumption Reference:**

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

**Problem Statement:**

138kV circuit breaker 1B at O Street substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



**Need Number:** PEP-2023-021

**Process Stage:** Need Meeting 11/16/2023

**Project Driver:**

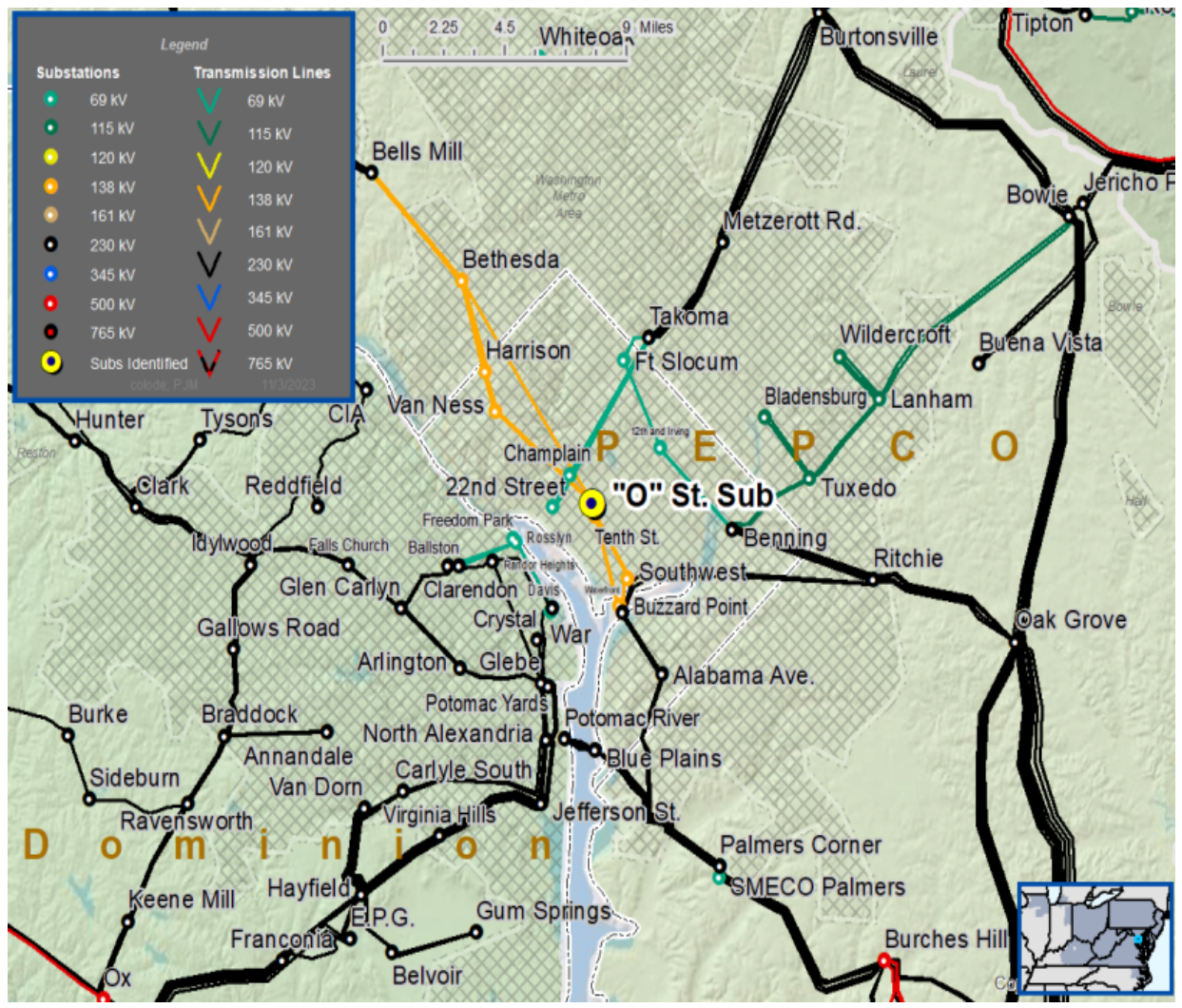
Equipment Material Condition, Performance and Risk.

**Specific Assumption Reference:**

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

**Problem Statement:**

138kV circuit breaker 3B at O Street substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



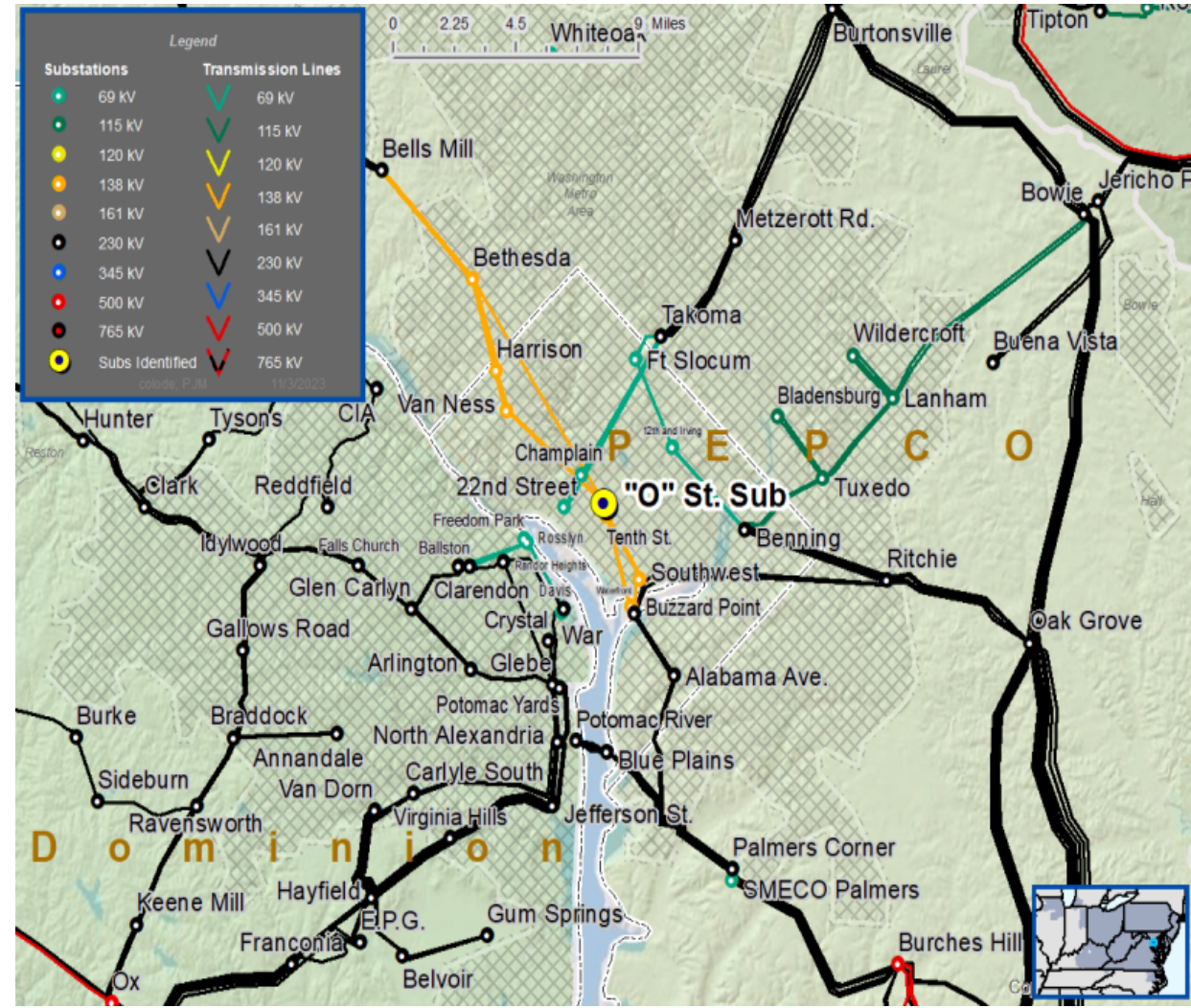
**Need Number:** PEP-2023-022

**Process Stage:** Need Meeting 11/16/2023

**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 review and/or replacement of breakers, relays, wood poles, cables, etc.

**Problem Statement:**  
138kV circuit breaker 4B at O Street substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



# 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:** PEP-2023-011

**Process Stage:** Solutions Meeting 11/16/2023

**Previously Presented:**  
Need Meeting 10/19/2023

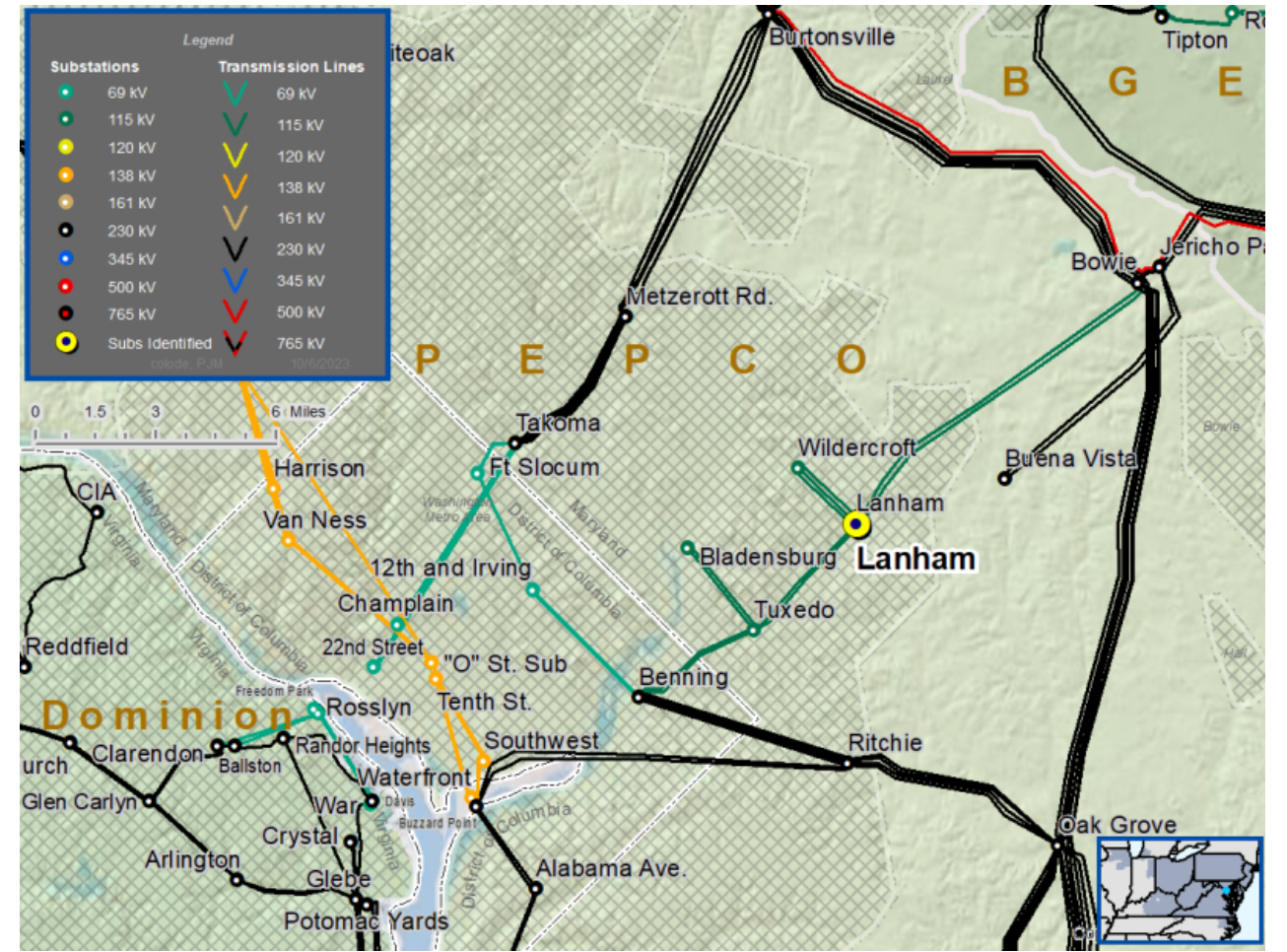
**Project Driver:**  
Equipment Material Condition, Performance and Risk.

**Specific Assumption Reference:**

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

**Problem Statement:**

115kV circuit breaker 2A at Lanham substation was installed in 1962. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



**Need Number:** PEP-2023-011

**Process Stage:** Solutions Meeting 11/16/2023

**Proposed Solution:**

Replace the existing 115kV oil circuit breaker 2A at Lanham

Total estimated cost: \$675K

Existing rating: 1200A, 25.1kA

Proposed rating: 3000A, 63kA

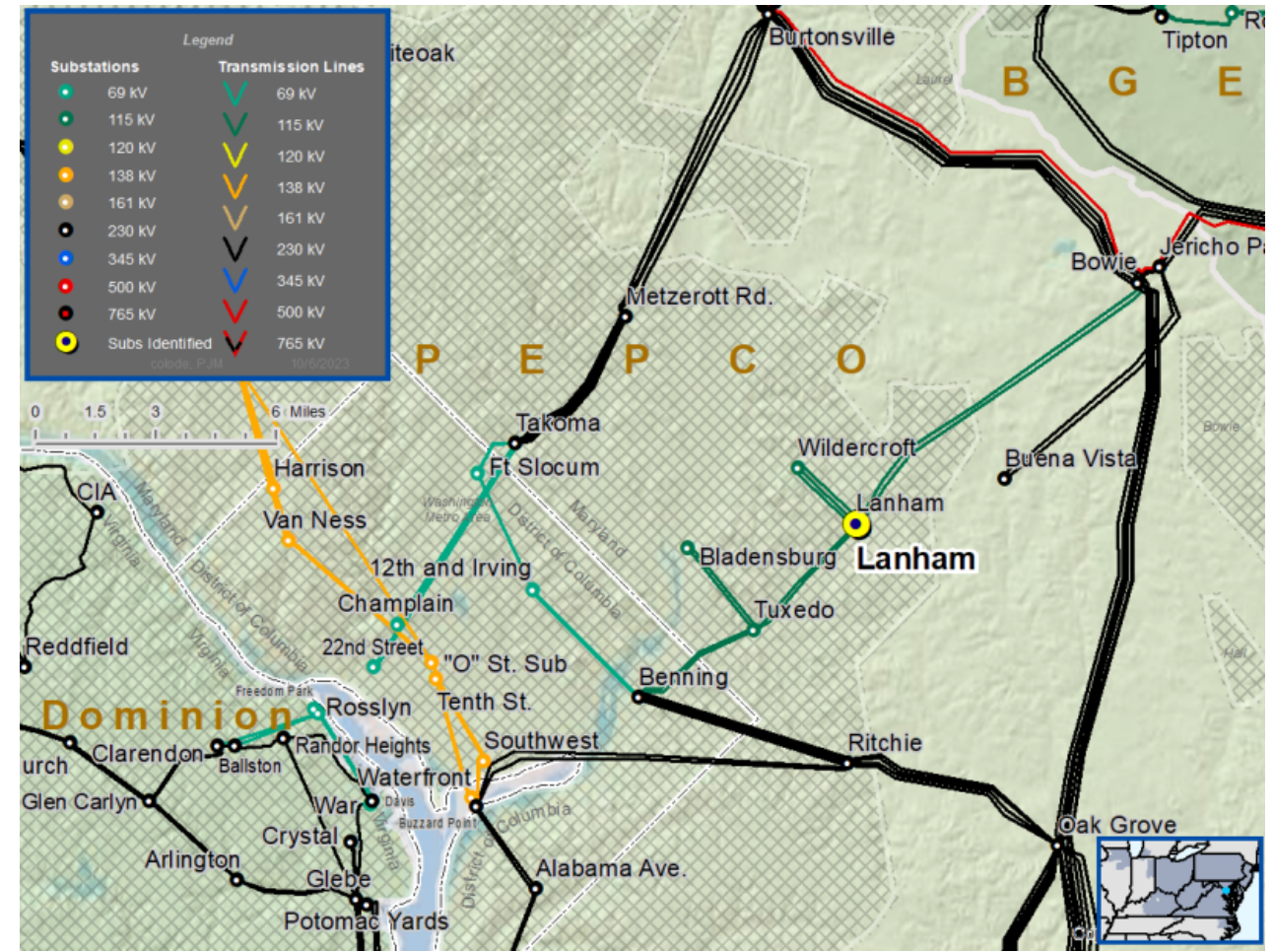
**Alternatives Considered:**

No feasible alternatives available

**Projected In-Service:** 10/23/2025

**Project Status:** Engineering

**Model:** RTEP 2027





**Need Number:** PEP-2023-012

**Process Stage:** Solutions Meeting 11/16/2023

**Previously Presented:**  
Need Meeting 10/19/2023

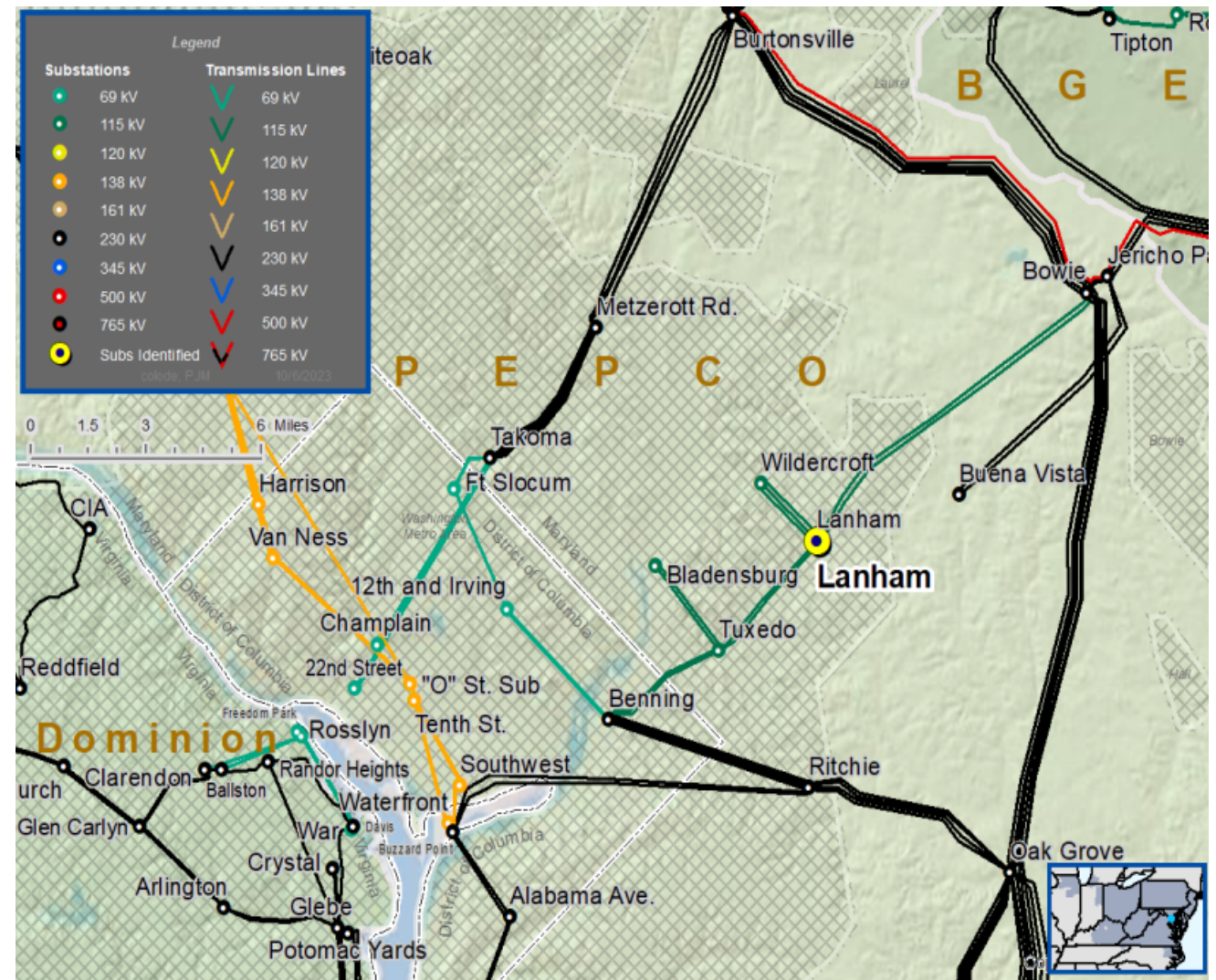
**Project Driver:**  
Equipment Material Condition, Performance and Risk.

**Specific Assumption Reference:**

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

**Problem Statement:**

115kV circuit breaker 3A at Lanham substation was installed in 1964. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



**Need Number:** PEP-2023-012

**Process Stage:** Solutions Meeting 11/16/2023

**Proposed Solution:**

Replace the existing 115kV oil circuit breaker 3A at Lanham

Total estimated cost: \$675K

Existing rating: 1200A, 50.2kA

Proposed rating: 3000A, 63kA

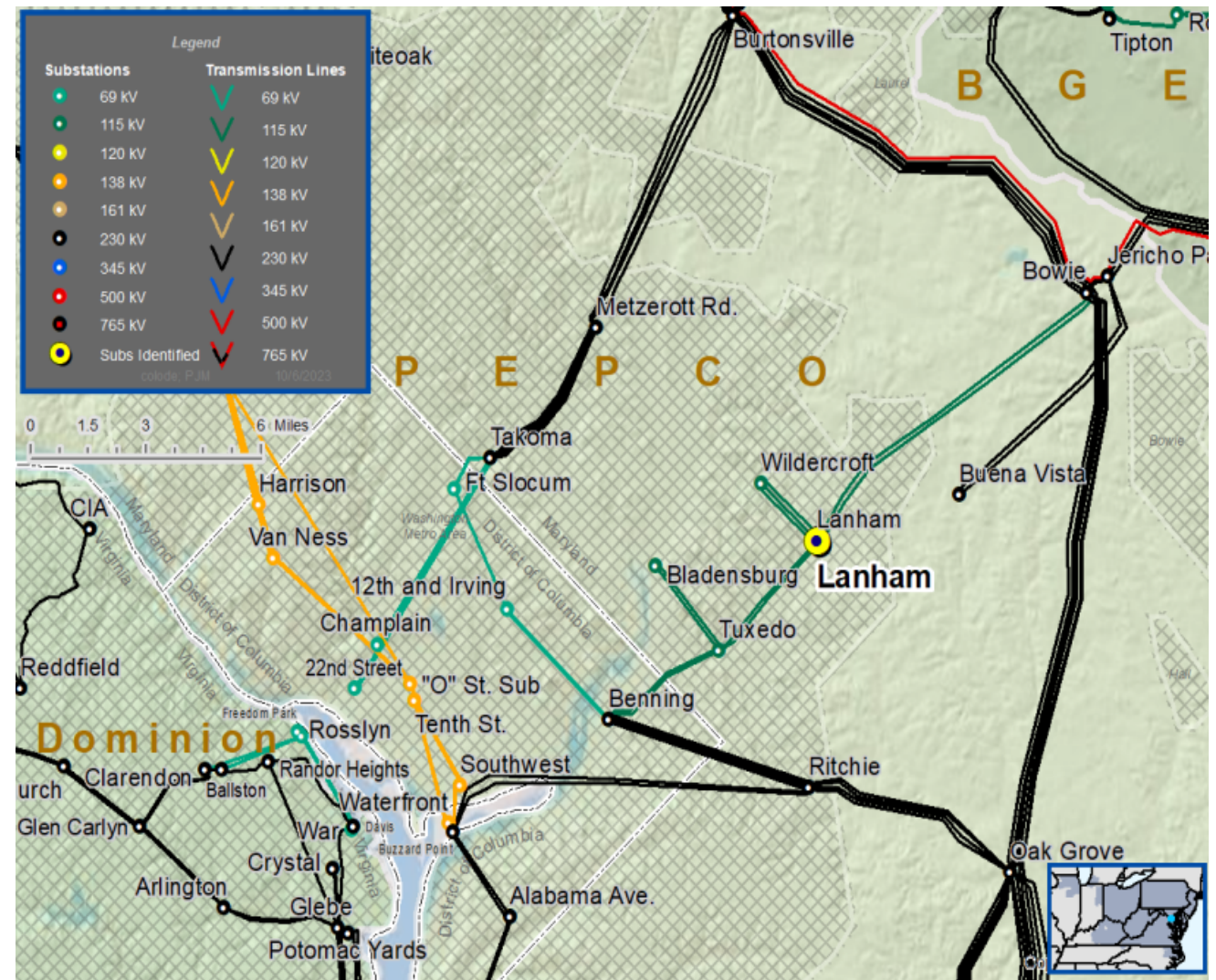
**Alternatives Considered:**

No feasible alternatives available

**Projected In-Service:** 12/15/2025

**Project Status:** Engineering

**Model:** RTEP 2027



# 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

11/6/2023 – V1 – Original version posted to pjm.com