

Transmission Expansion Advisory Committee – BGE Supplemental Projects

June 6, 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: BGE-2023-007

Process Stage: Solutions Meeting 6/6/2023

Previously Presented: Need Meeting 5/9/2023

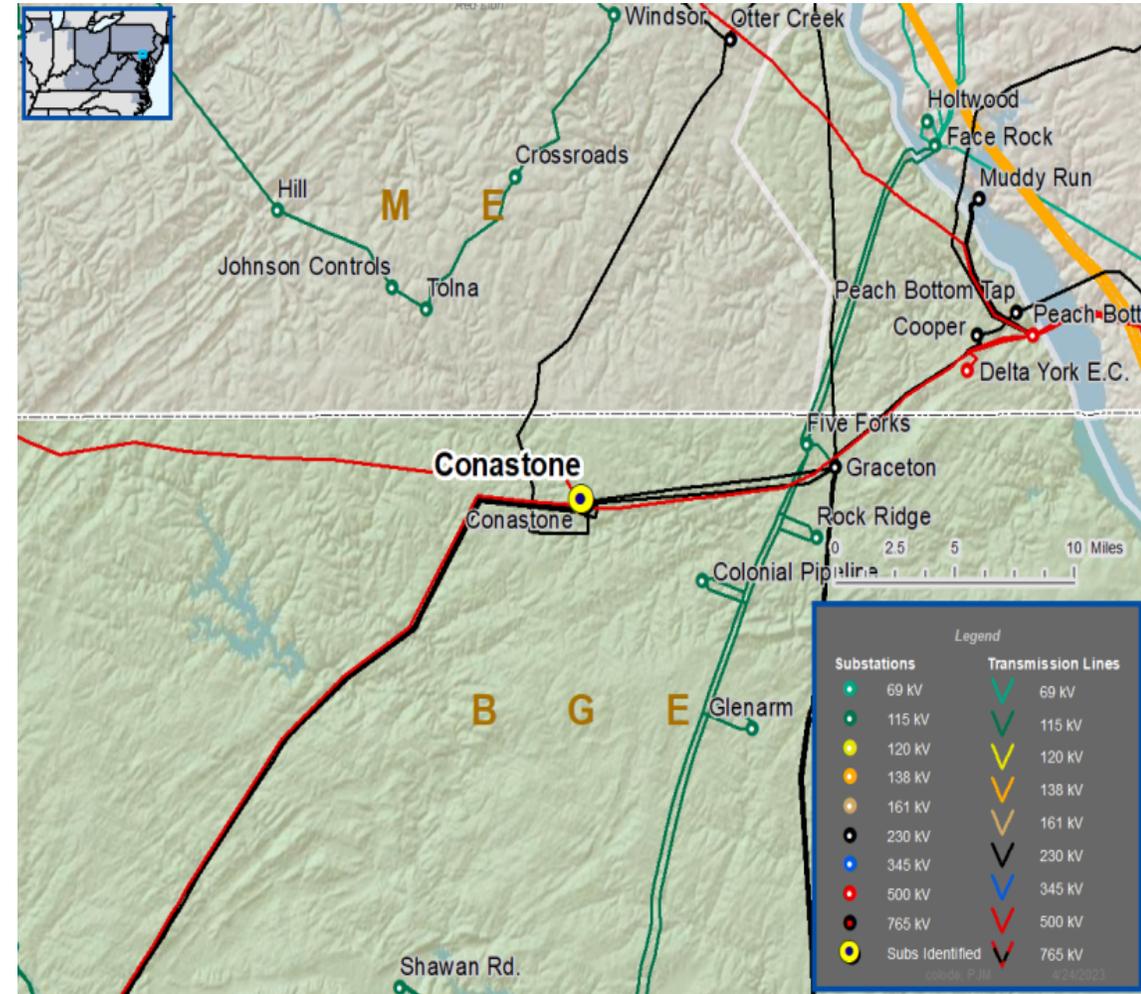
Project Driver: Equipment Material Condition, Performance, and Risk

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:

- Conastone 500kV circuit breaker L installed in 1992 is in deteriorating condition and has elevated maintenance costs



Need Number: BGE-2023-007

Process Stage: Solution Meeting – June 6, 2023

Proposed Solution:

Replace Conastone circuit breaker L

The estimated cost of the project is \$2.345M

Existing rating 3000A, 40kA

Proposed rating 4000A, 63kA

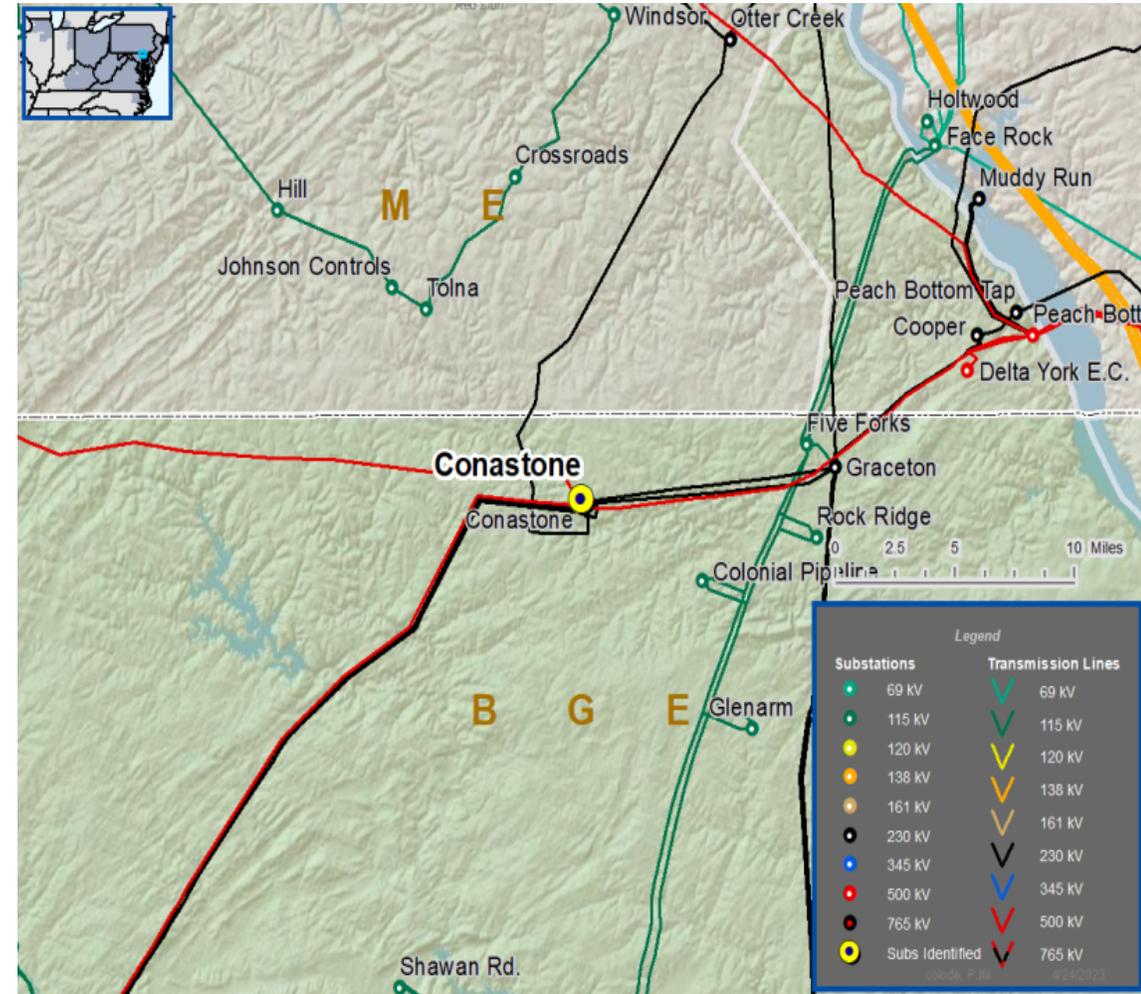
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 11/14/2023

Project Status: Engineering

Model: 2027 RTEP



Need Number: BGE-2023-008

Process Stage: Solutions Meeting 6/6/2023

Previously Presented: Need Meeting 5/9/2023

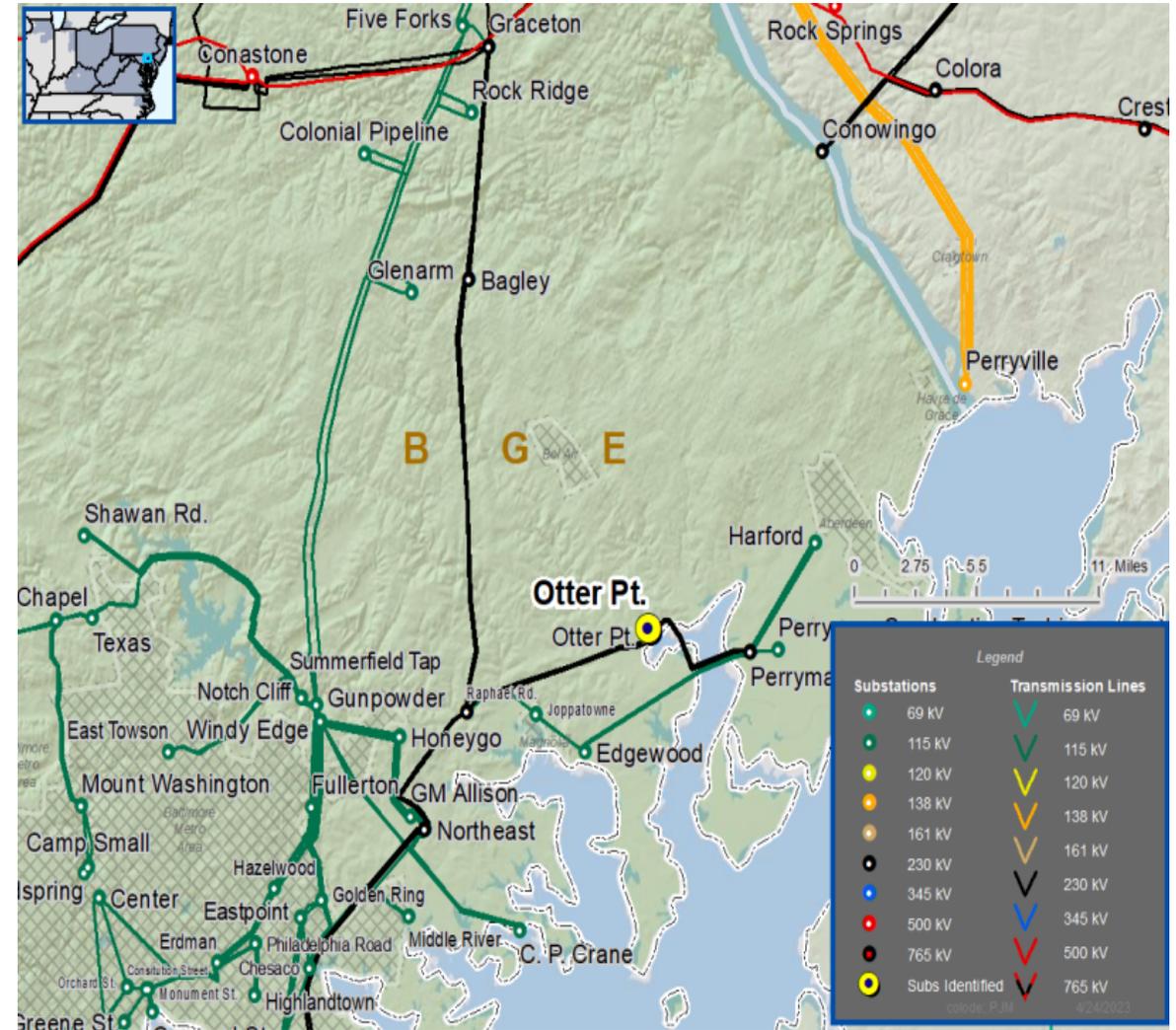
Project Driver: Equipment Material Condition, Performance, and Risk

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:

- Otter Point 230kV circuit breaker B50 installed in 1971 is in deteriorating condition and has elevated maintenance costs



Need Number: BGE-2023-008

Process Stage: Solution Meeting – June 6, 2023

Proposed Solution:

Replace Otter Point circuit breaker 50

The estimated cost of the project is \$0.75M

Existing rating 2500A, 50kA

Proposed rating 3000A, 63kA

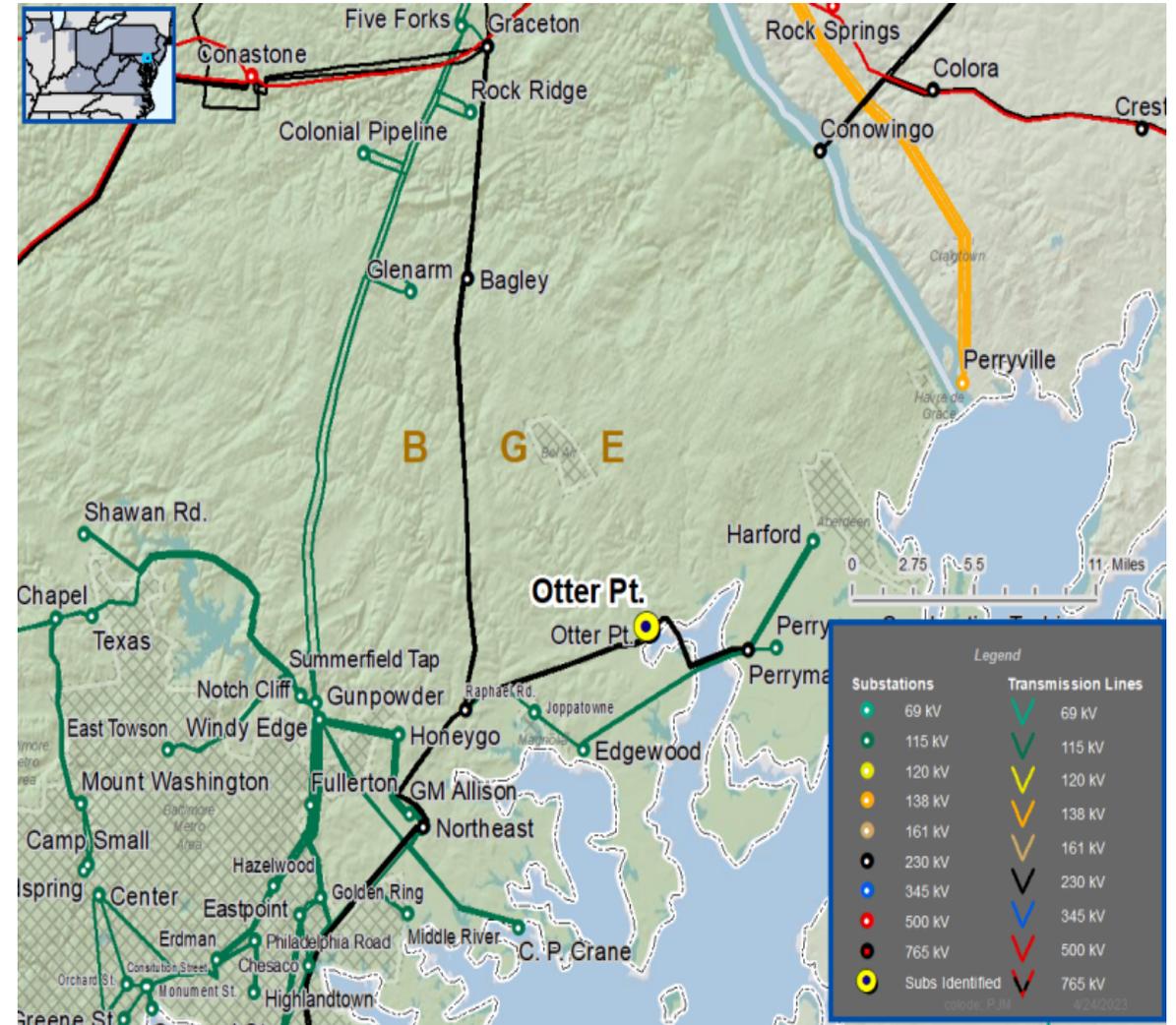
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 11/16/2023

Project Status: Engineering

Model: 2027 RTEP



Need Number: BGE-2023-009

Process Stage: Solutions Meeting 6/6/2023

Previously Presented: Need Meeting 5/9/2023

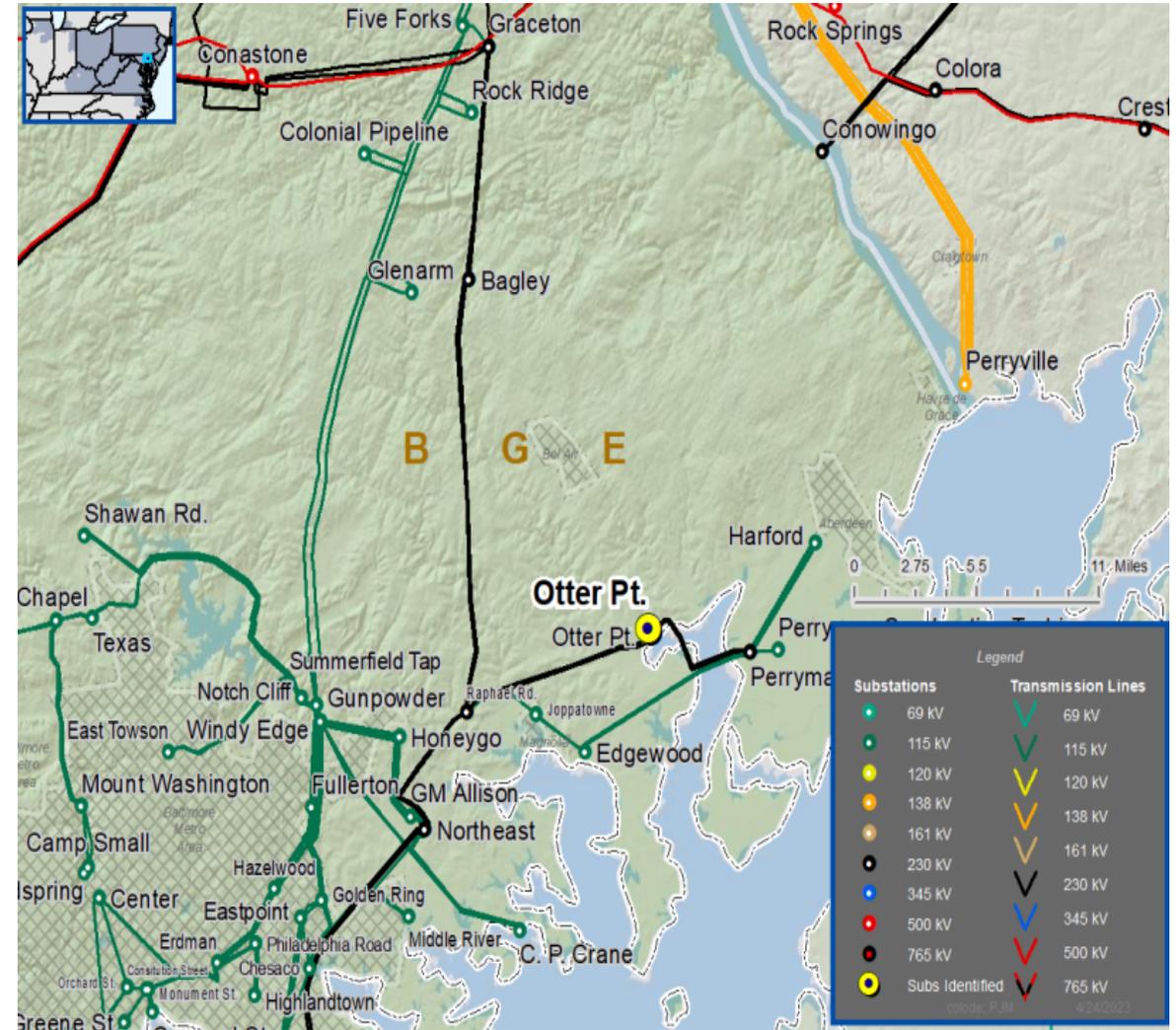
Project Driver: Equipment Material Condition, Performance, and Risk

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:

- Otter Point 230kV circuit breaker B51 installed in 1971 is in deteriorating condition and has elevated maintenance costs



Need Number: BGE-2023-009

Process Stage: Solution Meeting – June 6, 2023

Proposed Solution:

Replace Otter Point circuit breaker 51

The estimated cost of the project is \$0.75M

Existing rating 2500A, 50kA

Proposed rating 3000A, 63kA

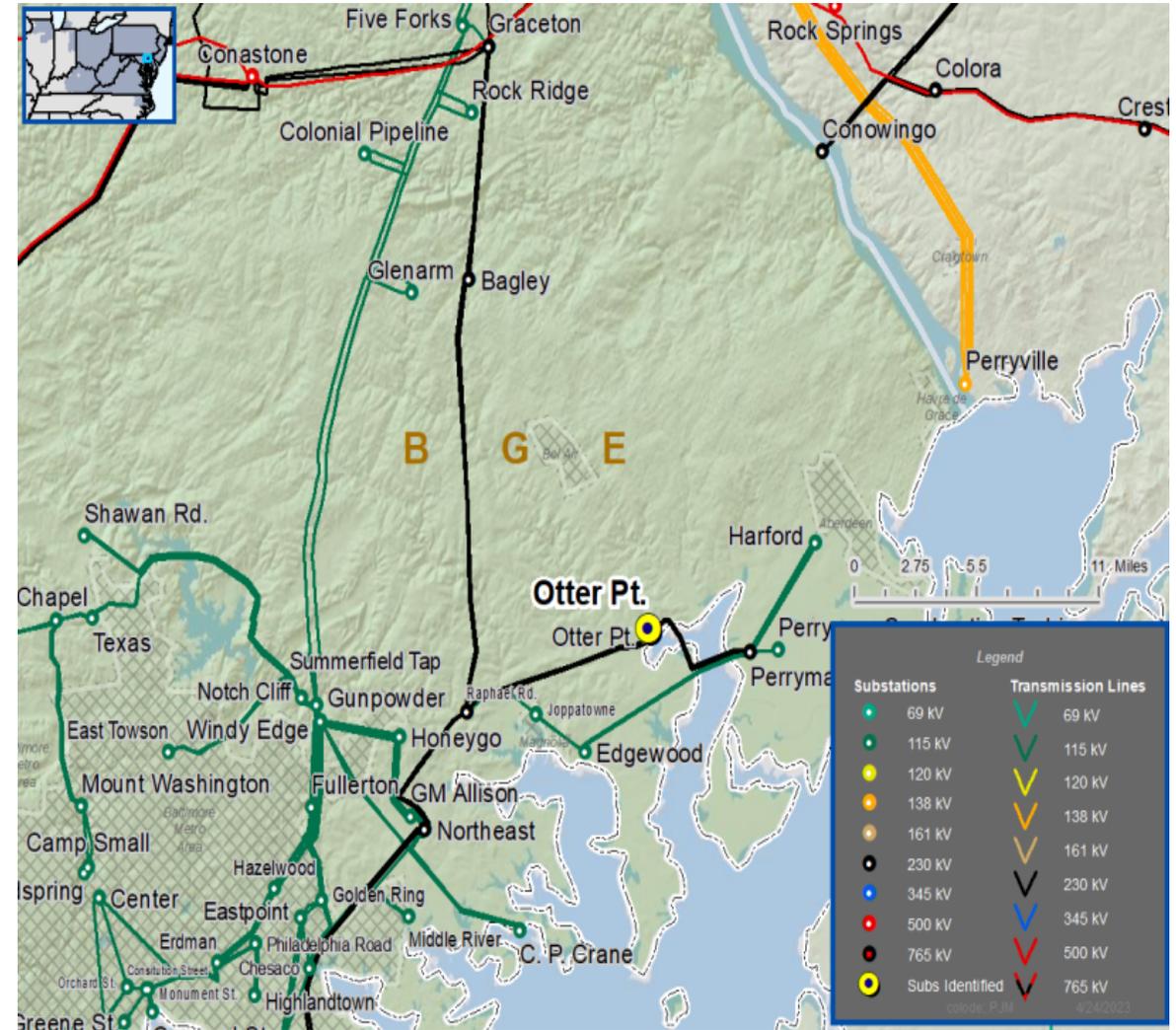
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 10/11/2023

Project Status: Engineering

Model: 2027 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

5/25/2023 - V1 – Original version posted to pjm.com

5/31/2023 – V2 – updated slides # 4, 6, and 8