

Sub Regional RTEP Mid-Atlantic Committee BGE Supplemental Projects

March 20, 2020

Solution

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: BG-2020-0003

Process Stage: Solutions Meeting 03/20/2020

Previously Presented: Need Meeting 02/11/2020

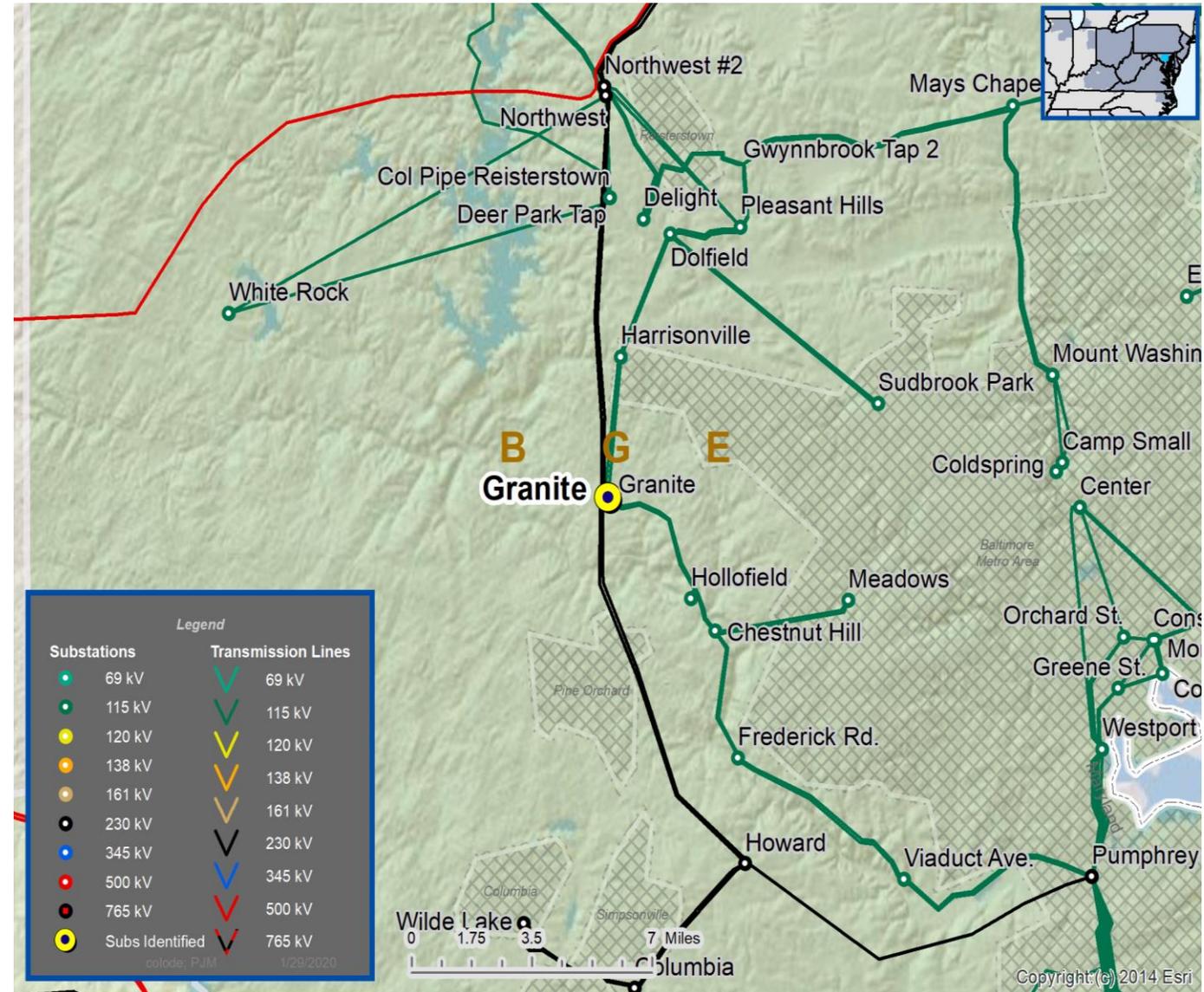
Project Driver: Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

Programmatic replacement of breakers, relays, wood poles, cables, etc.

Problem Statement:

Two 115 kV oil filled circuit breakers at Granite are at risk of poor performance, have environmental risks/concerns along with parts availability issues





BGE Transmission Zone M-3 Process

Need Number: BG-2020-0003

Process Stage: Solutions Meeting 03/20/2020

Proposed Solution:

Replace two 115 kV oil filled circuit breakers at Granite substation with two new gas circuit breakers

Cost \$0.92M

Ancillary Benefits:

-Increased Short Circuit Ratings

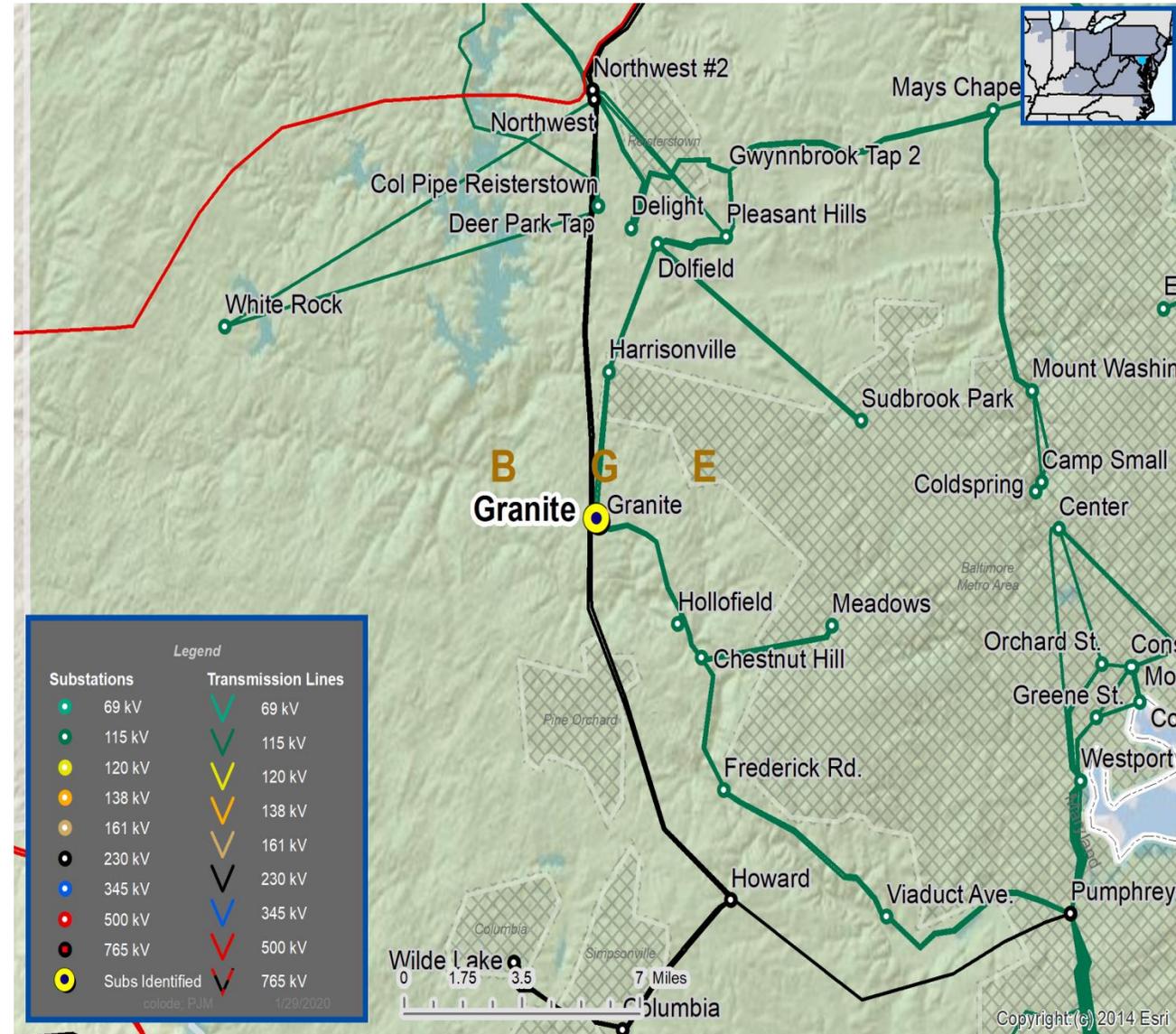
Alternatives Considered:

-NA

Projected In-Service: December 2020

Project Status: Engineering and Procurement

Model: 2024 PJM RTEP



Need Number: BG-2020-0004

Process Stage: Solution Meeting 03/20/2020

Previously Presented: Need Meeting 02/11/2020

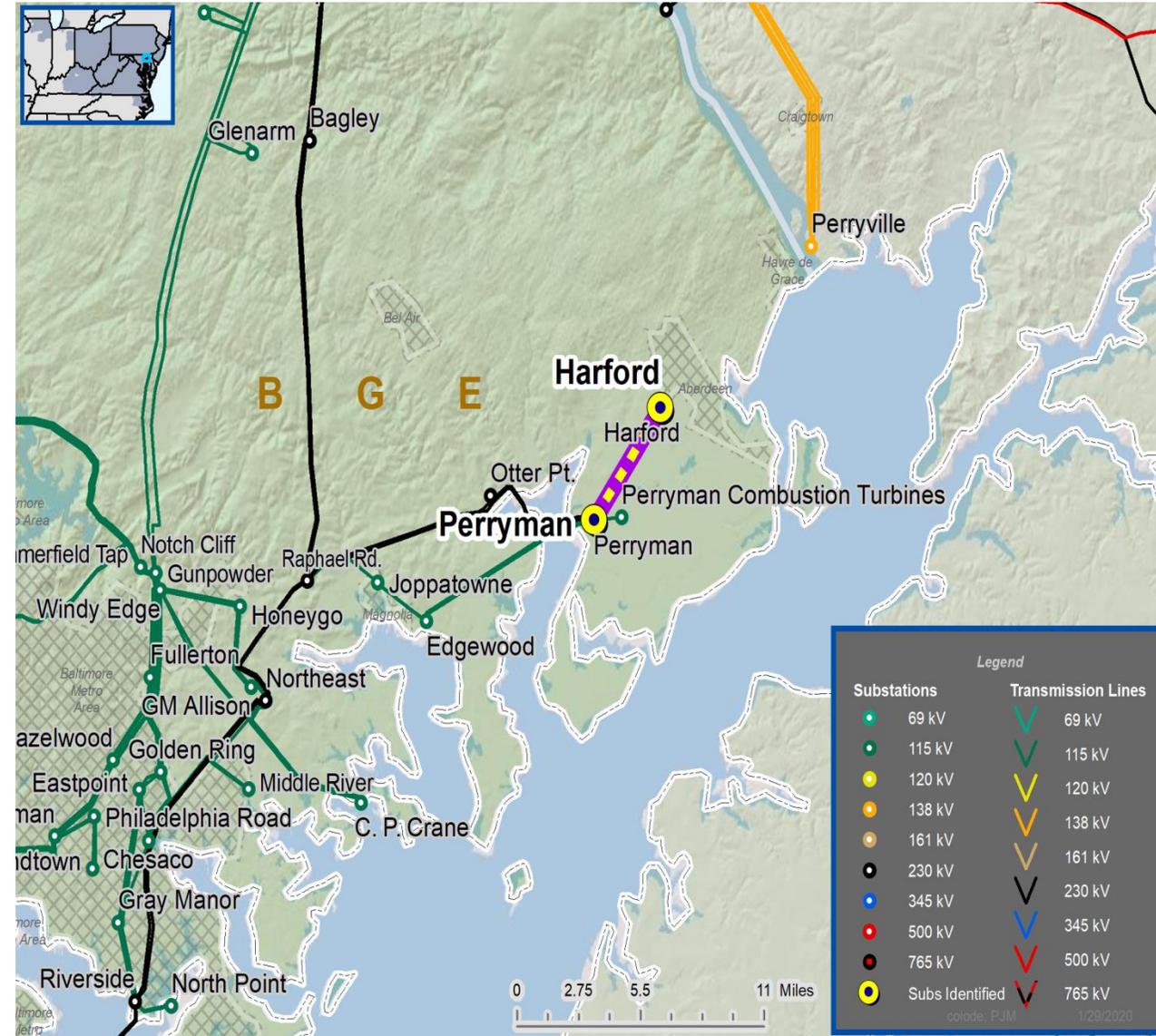
Project Driver: Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

Problem Statement:

The Harford-Perryman 115kV circuits 110617, 110618 are wood H-Frame circuits with poles dating back to the 1950's with nearly every pole having significant material condition issues including degraded pole shafts, arms, tops, bird holes including those from Pileated Wood Peckers, degraded insulators and hardware etc.



Need Number: BG-2020-0004

Process Stage: Solutions Meeting 03/20/2020

Proposed Solution:

Rebuild two single circuit 115kV wood h-frame circuits (110617/110618) as one double circuit steel pole line

Cost \$21.4M

Ancillary Benefits:

-Decreases risk of operation resulting from equipment failure

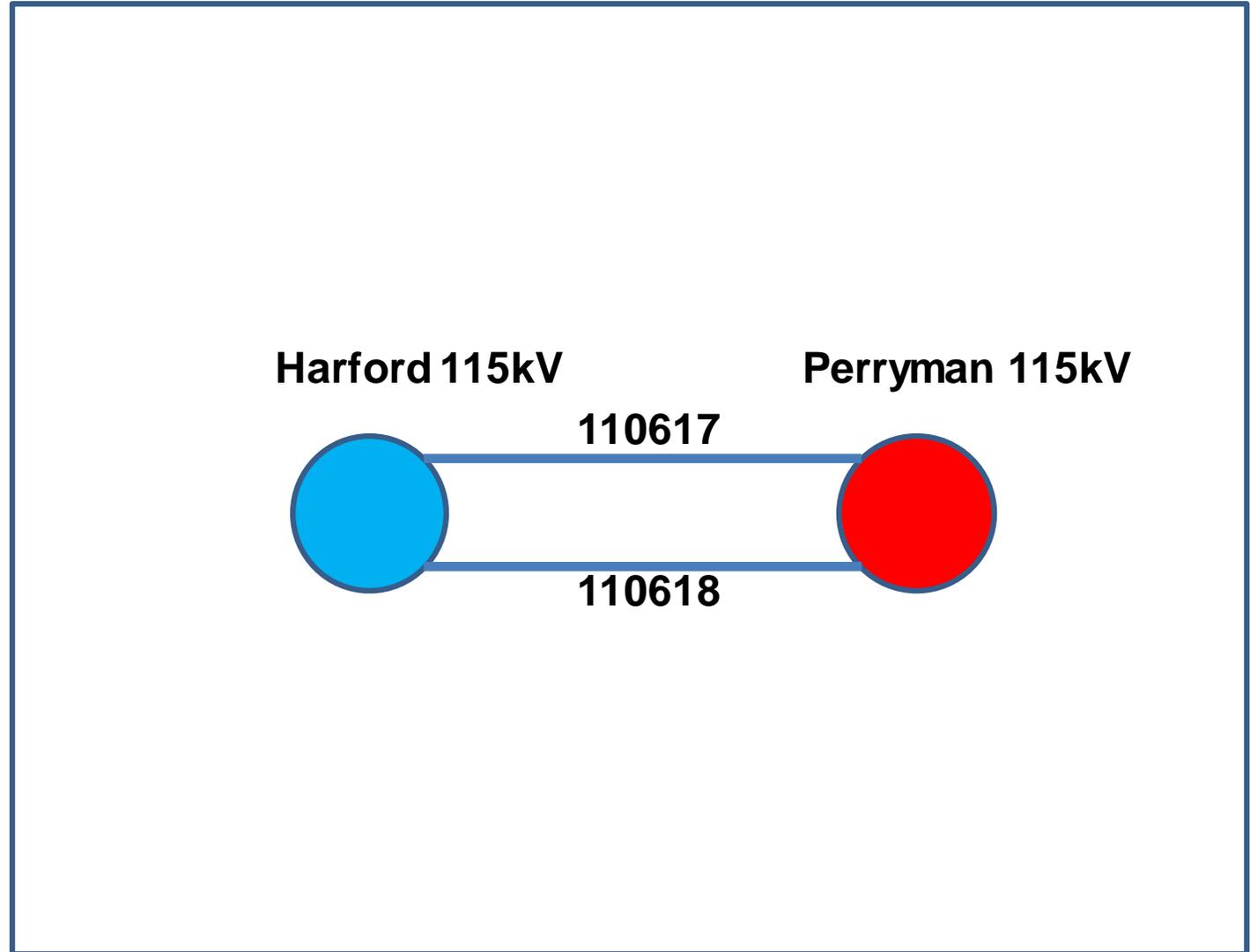
Alternatives Considered:

-NA

Projected In-Service: December 2021

Project Status: Engineering and Procurement

Model: 2024 PJM 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

3/10/2020 – V1 – Original version posted to pjm.com

3/11/2020 – V2 – corrected the Process stage (Solution Meeting) on slide #5