



Subregional RTEP Committee – Mid-Atlantic PECO Supplemental Projects

September 15, 2022



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-2022-005

Process Stage: Solutions Meeting 9/15/22

Previously Presented: Need Meeting 8/18/22

Project Driver:

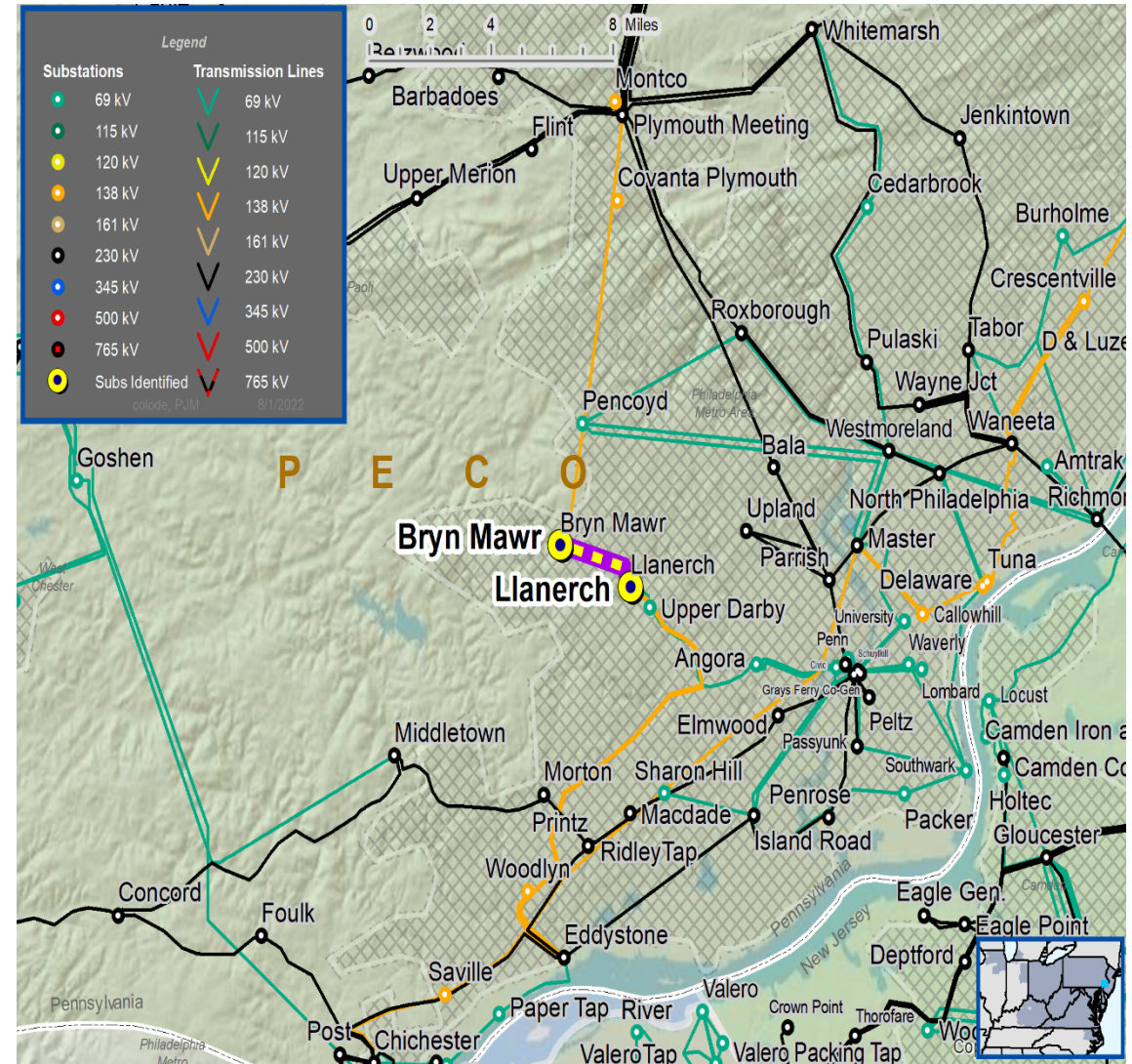
- Equipment Material Condition, Performance and Risk

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:

- The wood poles on the 130-36 (Bryn – Llanerch) 138 kV line were erected in 1959 and are 63 years old & are at end of life
- There are 62 structures on the line of which 45 structures are constructed of steel and 17 structures are constructed of wood on a 1-mile stretch
- The wood poles are exhibiting the following damage: pole top rot, woodpecker damage, severe splintering and cracked; also, cross arm & cross brace rot



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Proposed Solution:

- Replace 17 wood structures on a 1-mile stretch with steel structures
- New structures will use 795 ACSR conductor for the rebuild portion of the line
- Replace the 477 ACSR OHT conductor to the UGT terminators at West Overbrook Terminal Yard with 1000 kcmil 37 strand AAC

<u>Existing ratings (MVA):</u>	SN/SE	WN/WE
130-36 Bryn – Llanerch	165/203	203/233
<u>New ratings (MVA):</u>	SN/SE	WN/WE
130-36 Bryn – Llanerch	193/248	217/274

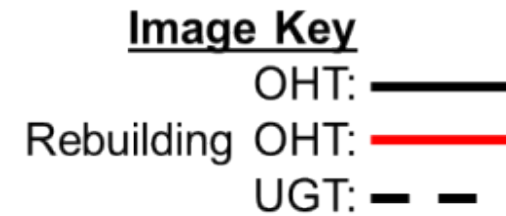
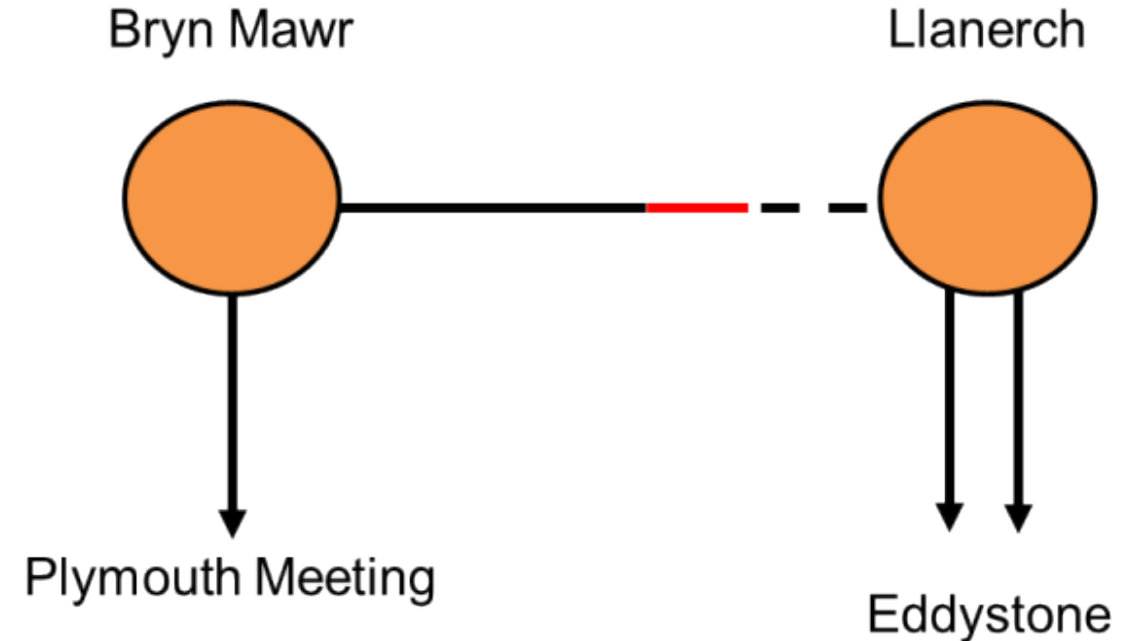
Estimated cost: \$6.78M

Alternatives Considered: None

Projected In-Service: 11/2/22

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

9/2/2022 - V1 – Original version posted to pjm.com