

Transmission Expansion Advisory Committee – PECO Supplemental Projects

October 3, 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

M-3 Process PECO Transmission Zone

Need Number: PE-2023-009

Process Stage: Need Meeting 10/03/23

Project Driver:

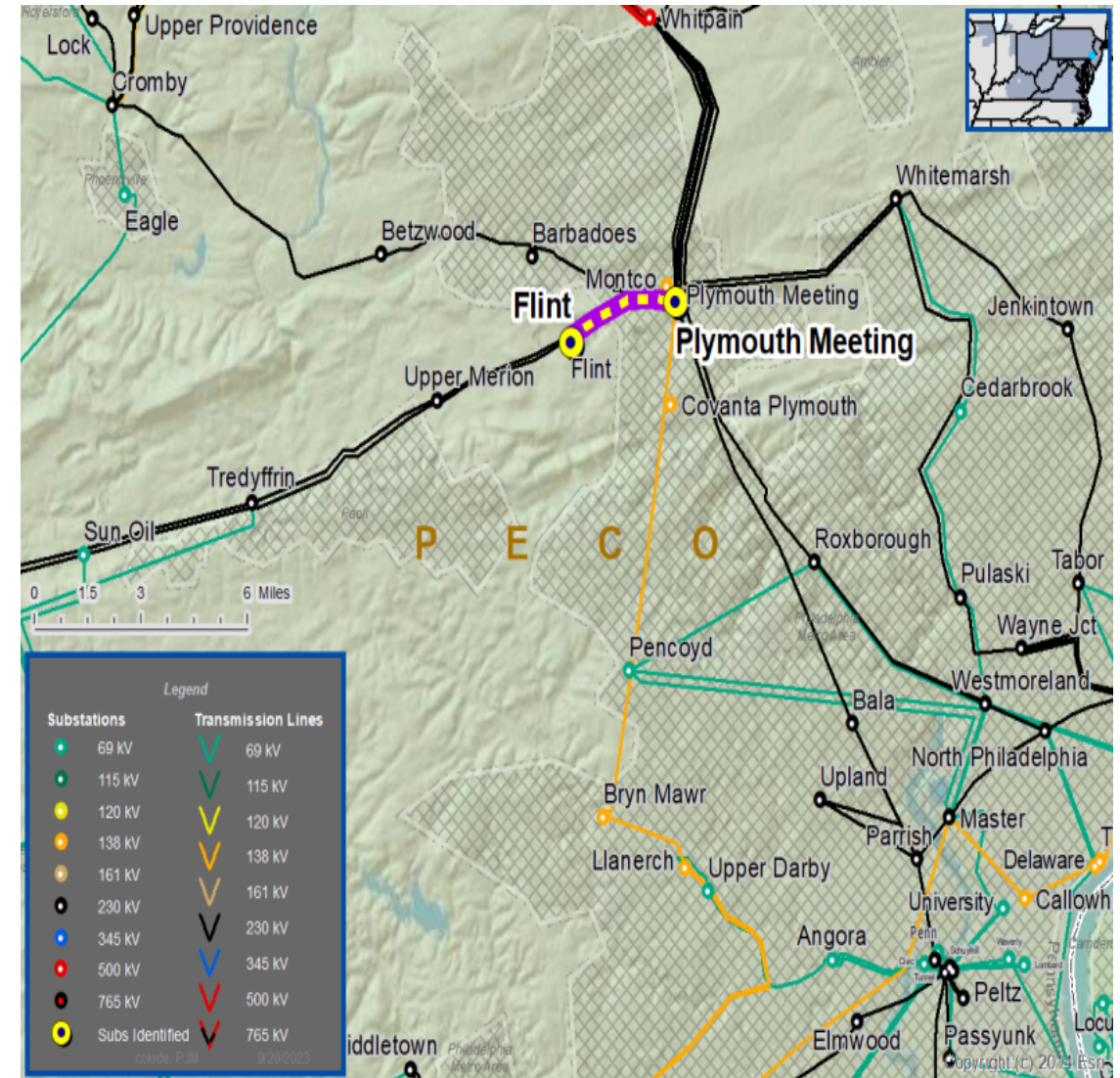
- Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

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

Problem Statement:

- The 230 kV line 220-47 Plymouth Meeting – Flint is a 2.5 mile line with 795 kcmil 30/19 ACSR conductor and 184 kcmil ACSR static wire that was constructed in 1927. This line is 96 years old and nearing end of useful life.
- There are 16 structures along this ROW, 13 of which that are the original steel lattice towers erected in 1927, which are showing signs of corrosion on the tower members, wear to vang plates, insulators, and insulator hardware.
- Inspections of the static and phase conductors identified that they were in poor condition and need to be replaced.



M-3 Process PECO Transmission Zone

Need Number: PE-2023-010

Process Stage: Need Meeting 10/03/23

Project Driver:

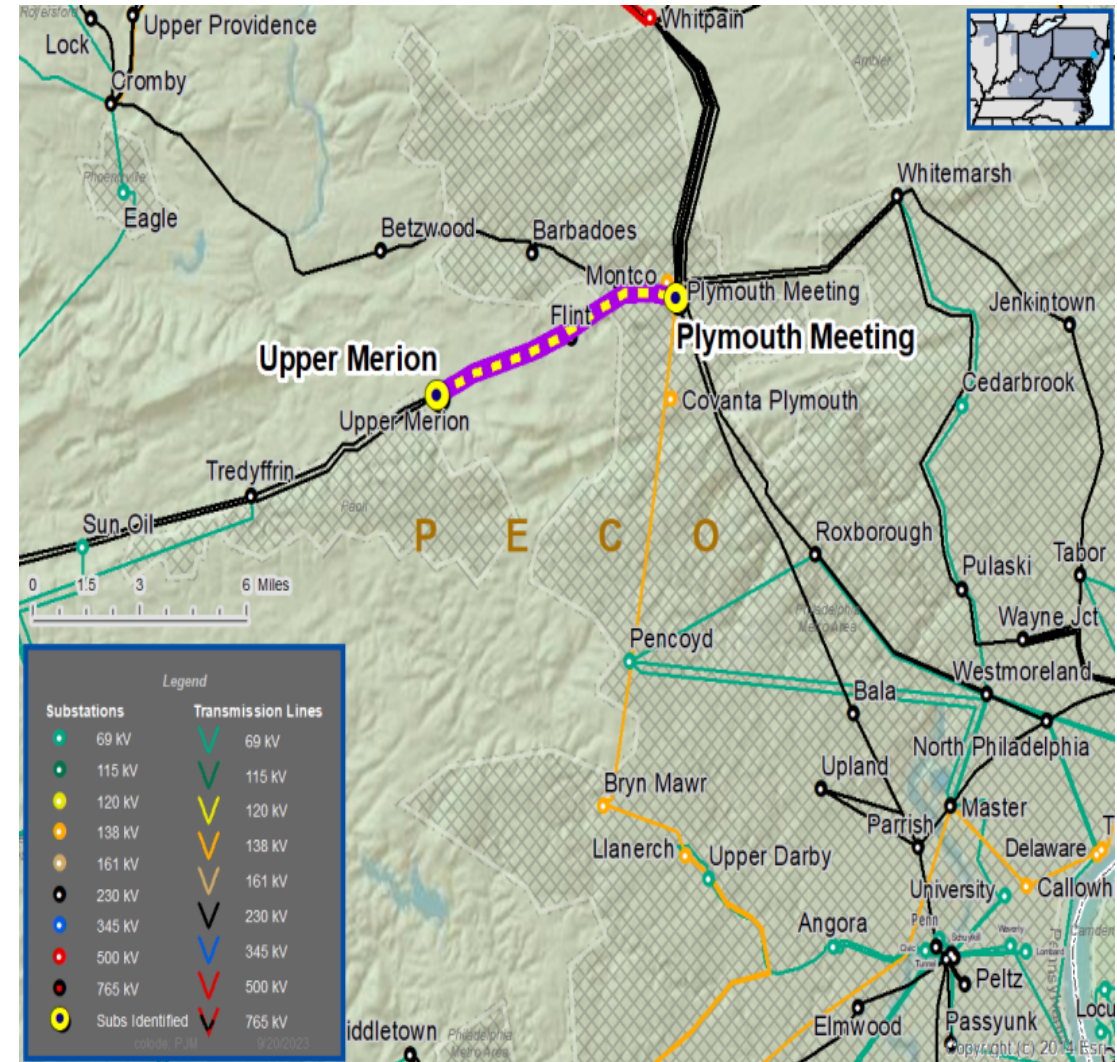
- Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

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

Problem Statement:

- The 230 kV line 220-69 Plymouth Meeting – Upper Merion is a 4.5 mile line with 795 kcmil 30/19 ACSR conductor and 184 kcmil ACSR static wire that was constructed in 1927. This line is 96 years old and nearing end of useful life.
- There are 34 structures along this ROW, 25 of which that are the original steel lattice towers erected in 1927, which are showing signs of corrosion on the tower members, wear to vang plates, insulators, and insulator hardware.
- Inspections of the static and phase conductors identified that they were in poor condition and need to be replaced.



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

9/22/2023 - V1 – Original version posted to pjm.com