

Subregional RTEP Committee – Mid-Atlantic UGI Supplemental Projects

November 14, 2024

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

UGI Transmission Zone: Supplemental Project

Need Number: UGI-2023-0001

Meeting Date: 11/14/2024

Process Stage: Solution

Previously Presented: 04/20/2023

Supplemental Project Driver: Equipment Material Condition, Performance, and Risk

Specific Assumptions References:

- Asset health and age
- Ability to service and maintain lines and equipment
- Asset modernization and standardization

Problem Statement: The 66kV lattice transmission towers on the Plymouth to Palooka (PPL) line were placed in-service in 1929 and are at end-of-life. The transmission line is comprised of 556.5 MCM ACSR, 266.8 MCM ACSR and 3/0 Copper limiting capacity.

- Twenty-Five (25) lattice towers are direct buried and experiencing deterioration.
- Lattice towers do not meet current design and testing standards.



Need Number: UGI-2023-0001

Meeting Date: 11/14/2024

Process Stage: Solution

Proposed Solution:

- Replace thirty-two (32) lattice towers with steel monopoles (direct buried & concrete footers)
- Reconductor 4.16 miles of various conductor size to 556.5 MCM ACSR
- New monopoles will be capable of supporting an additional 66kV transmission line for future expansion

Alternatives Considered:

Maintain existing condition with reliability risk to customers.

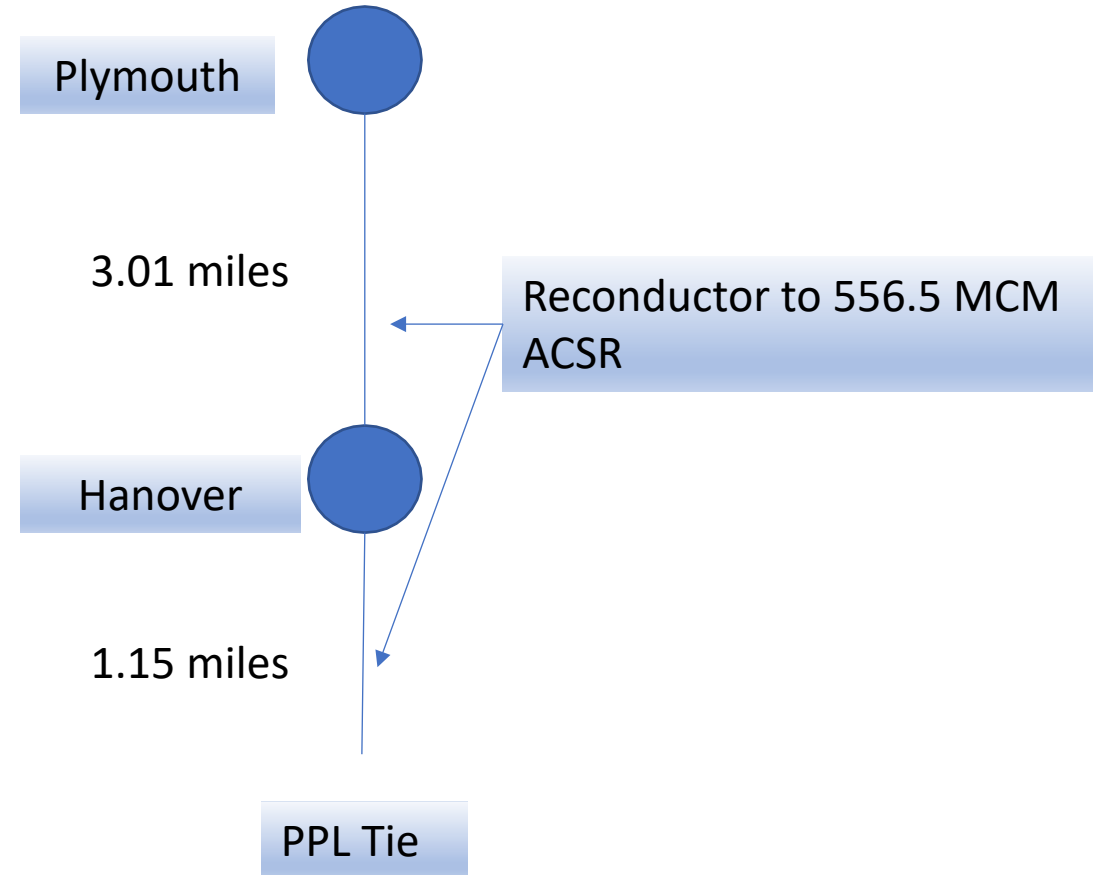
Estimated Project Cost: \$20M

Project In Service date: October 2026

Project Status: Engineering

Model: 2027 PJM RTEP

UGI Transmission Zone: Supplemental Project



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/xx/2024 – V1 – Original version posted to pjm.com