

Sub Region RTEP Mid-Atlantic Committee AEC Supplemental Projects

August 18, 2022

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

Need Number: ACE-2022-009

Process Stage: Need Meeting 8/18/2022

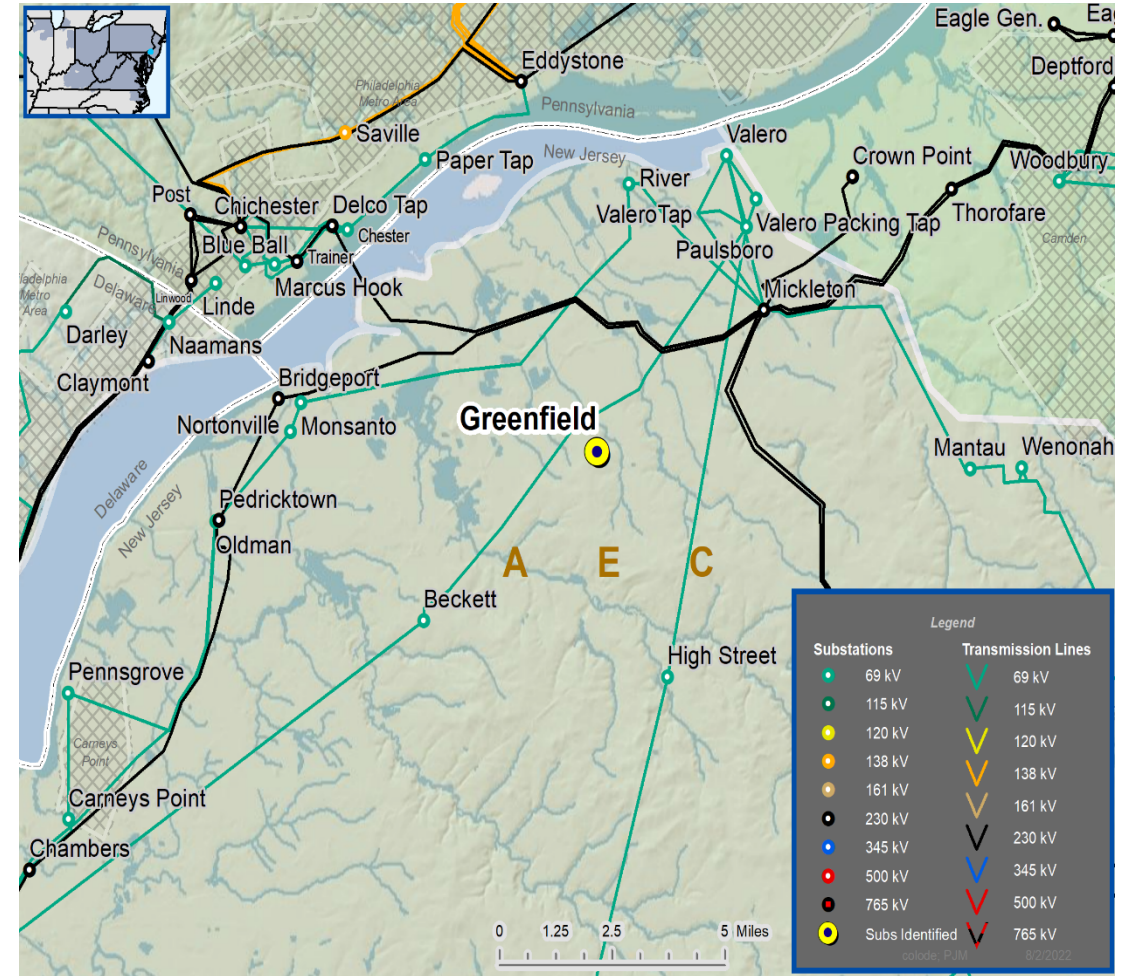
Project Driver: Customer Service

Specific Assumption Reference:

- Transmission System configuration changes due to new or expansion of existing distribution substations

Problem Statement:

- ACE’s existing distribution system is unable to serve the growing distribution customer load of 35 MVA in the Logan area.



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

ACE Transmission Zone M-3 Process 0762 Newport – South Millville 69kV Line Rebuild

Need Number: ACE-2022-006

Process Stage: Solution Meeting 08/18/2022

Previously Presented: Need Meeting 3/17/22

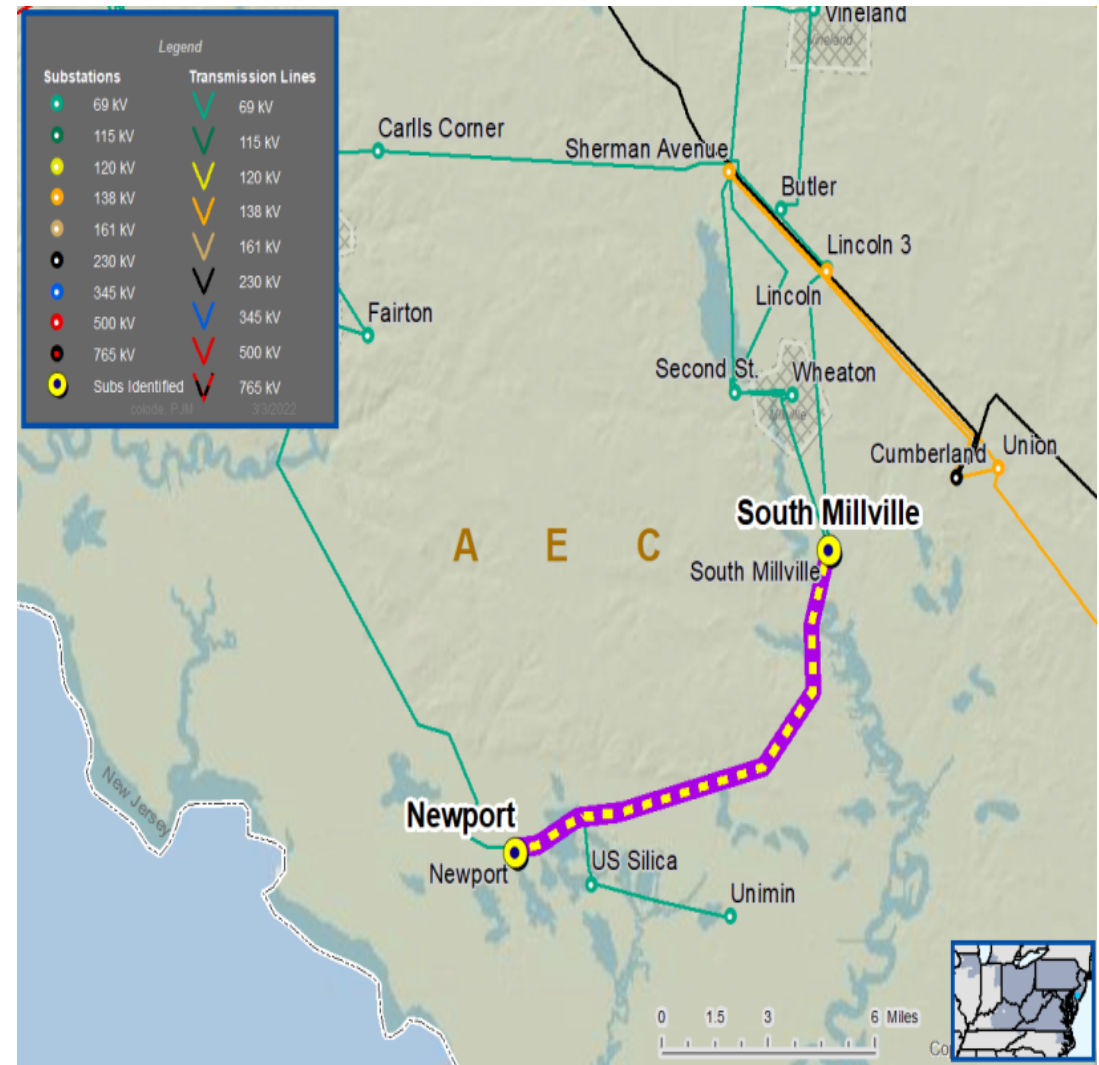
Project Driver: Equipment Material Condition, Performance and Risk, Operational Flexibility and Efficiency

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.
- Internal and/or regulatory recommended design guidelines or standards
- Enhancing system functionality, flexibility, visibility, or operability

Problem Statement:

Existing 69kV circuit 0762 between Newport and South Millville substations is 70 years old and is in deteriorating condition. This line experienced 11 interruptions (including momentary) since 2018.





ACE Transmission Zone M-3 Process 0762 Newport – South Millville 69kV Line Rebuild

Need Number: ACE-2022-006

Process Stage: Solution Meeting 08/18/22

Proposed Solution:

- Rebuild a 9.8-mile section of 69 kV line 0762 between Newport and South Millville
- The conductor will be upgraded to 795 ACSR and the existing shield wire will be replaced with new OPGW

Facility	Summer Normal	Summer Emergency	Winter Normal	Winter Emergency
Newport to US Silica Tap	Existing			
	65	89	75	100
	Proposed			
	69	93	83	105
US Silica Tap to South Millville	Existing			
	65	89	75	100
	Proposed			
	124	158	143	179

Estimated cost: \$40 M

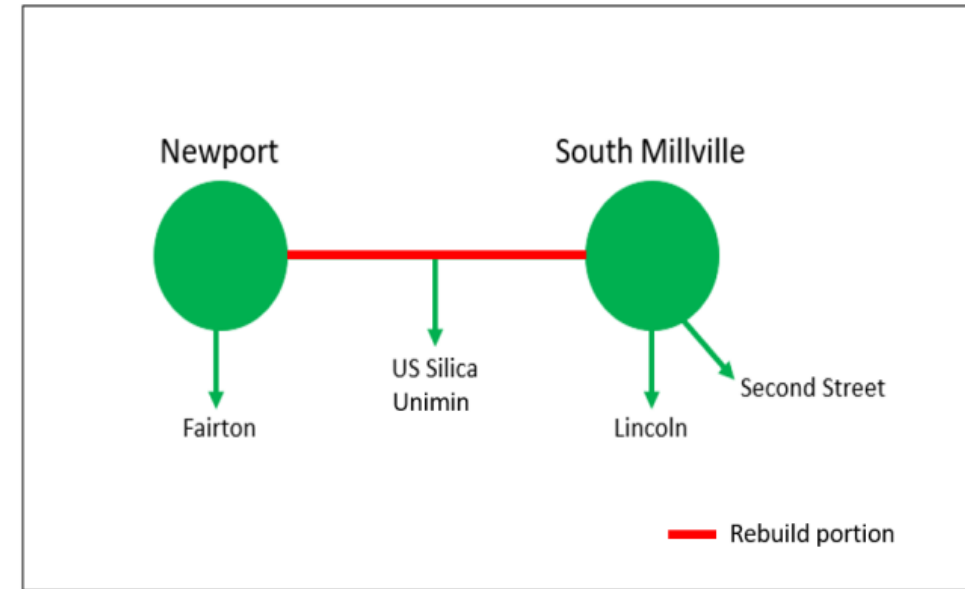
Alternatives Considered:

- Do Nothing
 - Significant risk to system performance

Projected In-Service: 12/31/2025

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

8/8/2022 – V1 – Original version posted to pjm.com