



Subregional RTEP Committee - Mid-Atlantic ACE Supplemental Projects

February 15th , 2024



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: ACE-2024-001

Process Stage: Solution Meeting 02/15/24

Previously Presented: Need Meeting 01/18/24

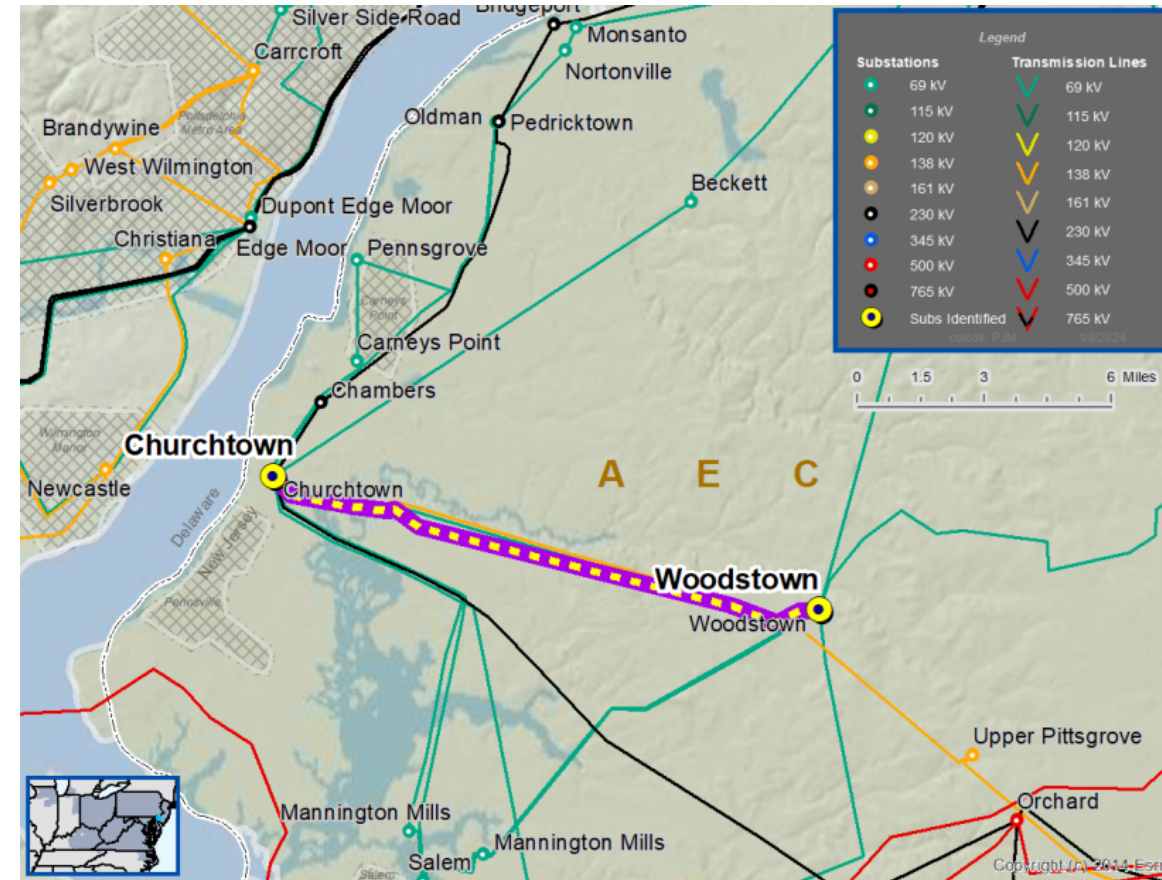
Project Driver: Equipment Material Condition, Performance and Risk

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, cables, etc.
- Internal and/or regulatory recommended design guidelines or standards

Problem Statement:

- Existing 69kV circuits 0725 and 0726 between Churchtown and Woodstown (approx. 10.6 miles), are 94 years old. There are 78 structures along this circuit of which, 59 are the original steel lattice towers erected in 1929 and are showing signs of deterioration. This line experienced 5 interruptions since 2019. Maintenance costs of the lines have increased.



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Proposed Solution:

- Rebuild 0725 and 0726 Churchtown – Woodstown 69kV lines using 795 ACSR and replacing the existing shield wire with new OPGW

Facility	Summer Normal	Summer Emergency	Winter Normal	Winter Emergency
Churchtown to Woodstown Line 0725/0726	Existing (MVA)			
	63	72	76	92
	Proposed (MVA)			
	72	84	82	95

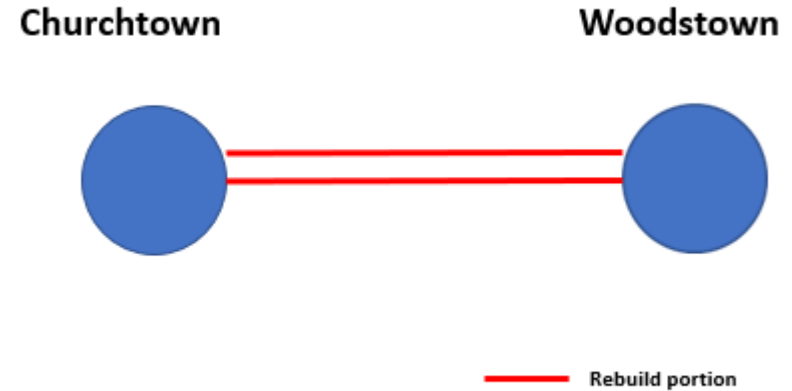
Estimated cost: \$31 M

Alternatives Considered: No other feasible alternatives

Projected In-Service: 12/31/2028

Project Status: Conceptual

Model: 2028 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

2/5/2024 – V1 – Original version posted to pjm.com