



Mid-Atlantic Sub Regional RTEP Committee ACE Supplemental Projects

December 11, 2025

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: ACE-2025-001

Process Stage: Solution Meeting 12/11/2025

Previously Presented: Need Meeting 10/16/2025

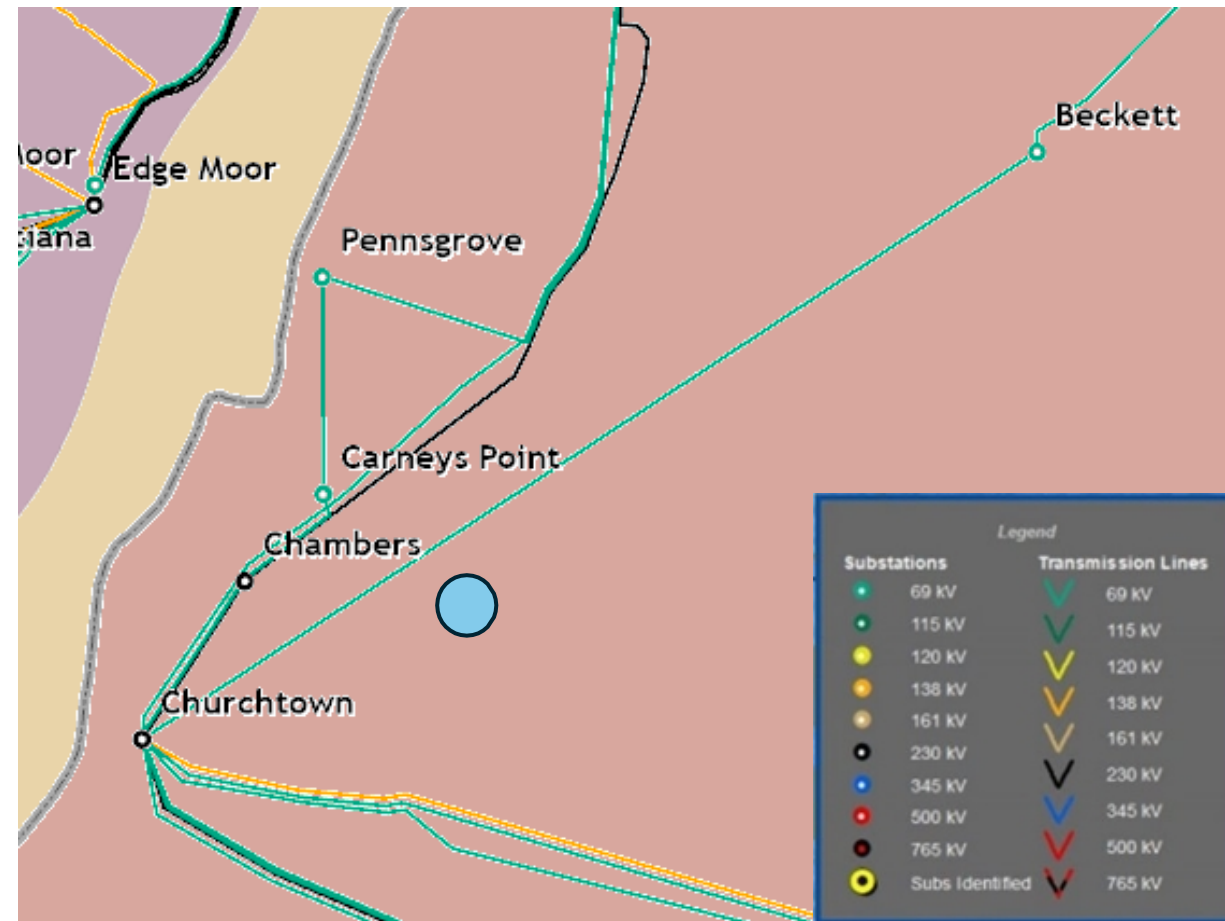
Project Driver: Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer
- **Transmission System configuration changes due to new or expansion of existing distribution substations**

Problem Statement:

- A new customer in the Penns Grove, NJ area has requested service for an initial loading of 15 MW in 2026 and an ultimate load of 40 MW in 2029. Distribution infrastructure in the area cannot adequately accommodate this load request.
- **Additionally, distribution capacity planning is forecasting up to 60 MW of residential and commercial load growth in the region, and the existing distribution infrastructure in the area cannot adequately accommodate the forecasted load growth.**



Need Number: ACE-2025-001

Process Stage: Solution Meeting 12/11/2025

Solution:

Phase 1:

- Install a temporary radial 69kV feed to the customer location by tapping into the existing 69kV Beckett - Churchtown line.

Estimated Transmission Cost: \$0M

Phase 2:

- Build a new 69kV 6-position ring bus substation, bisecting the existing 69kV Beckett – Churchtown line.
- Install new radial feed to the customer site from the new substation and two positions for new 69/12kV distribution transformers.

Estimated Transmission Cost: \$16M

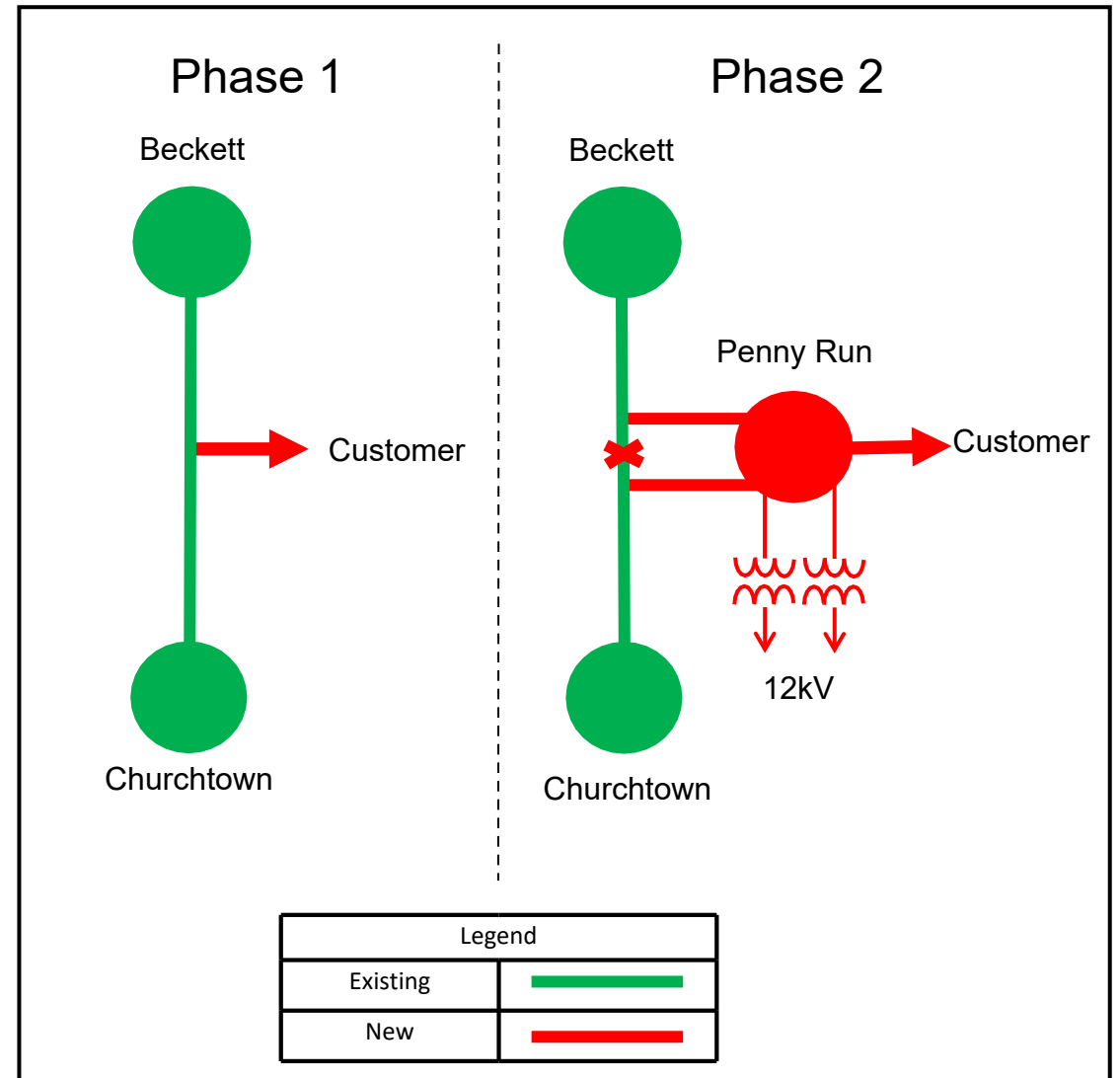
Alternatives Considered:

- No feasible alternatives considered.

In-Service: Phase 1 – 4/28/2026, Phase 2 – 12/2029

Project Status: Engineering

Model: 2029 RTEP



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

12/1/2025 – V1 – Posted to pjm.com