

ACE 2026
Submission of Supplemental Project for
Inclusion in the Local Plan

Need Number: ACE-2025-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 10/1/2026

Previously Presented:

Need Meeting 10/16/2025

Solution Meeting 12/11/2025

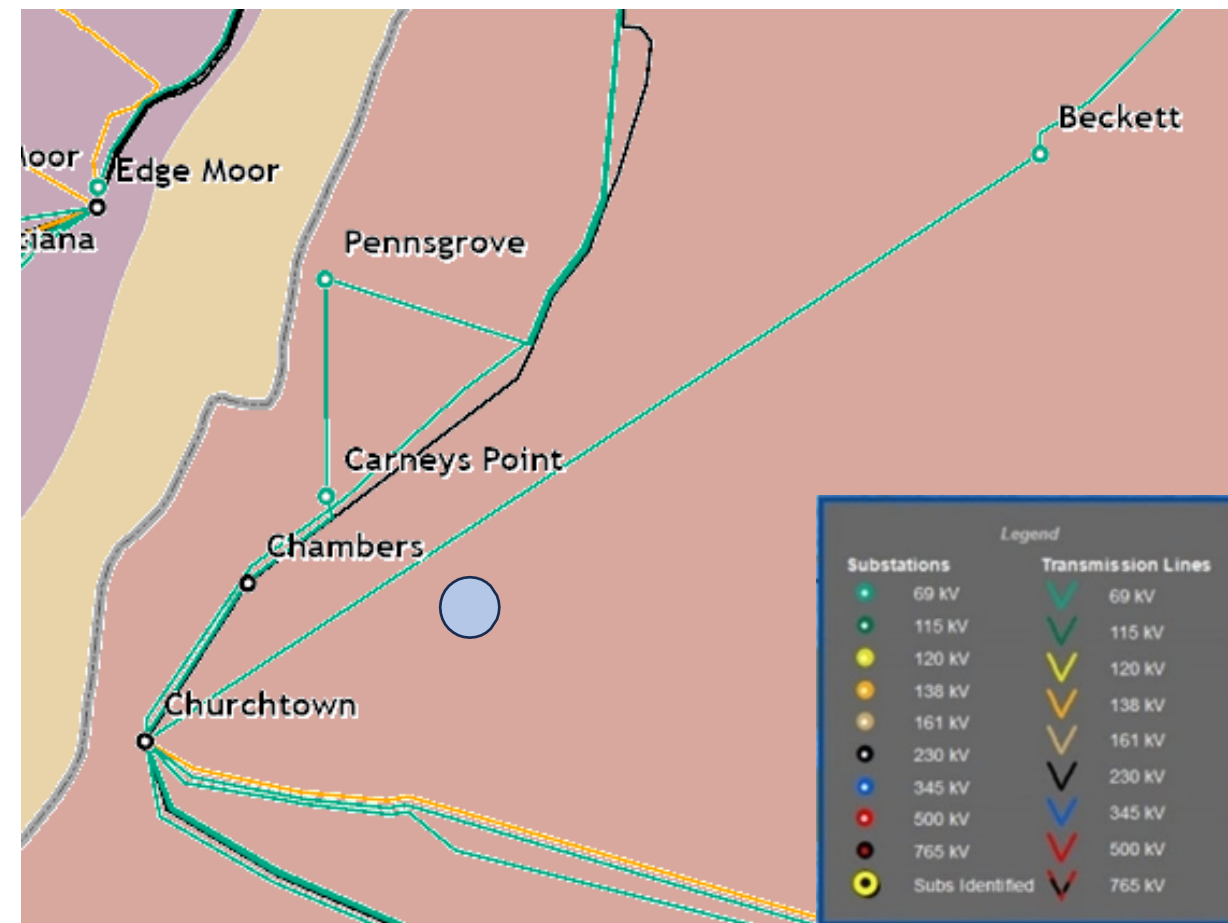
Project Driver: Customer Service

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.



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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.

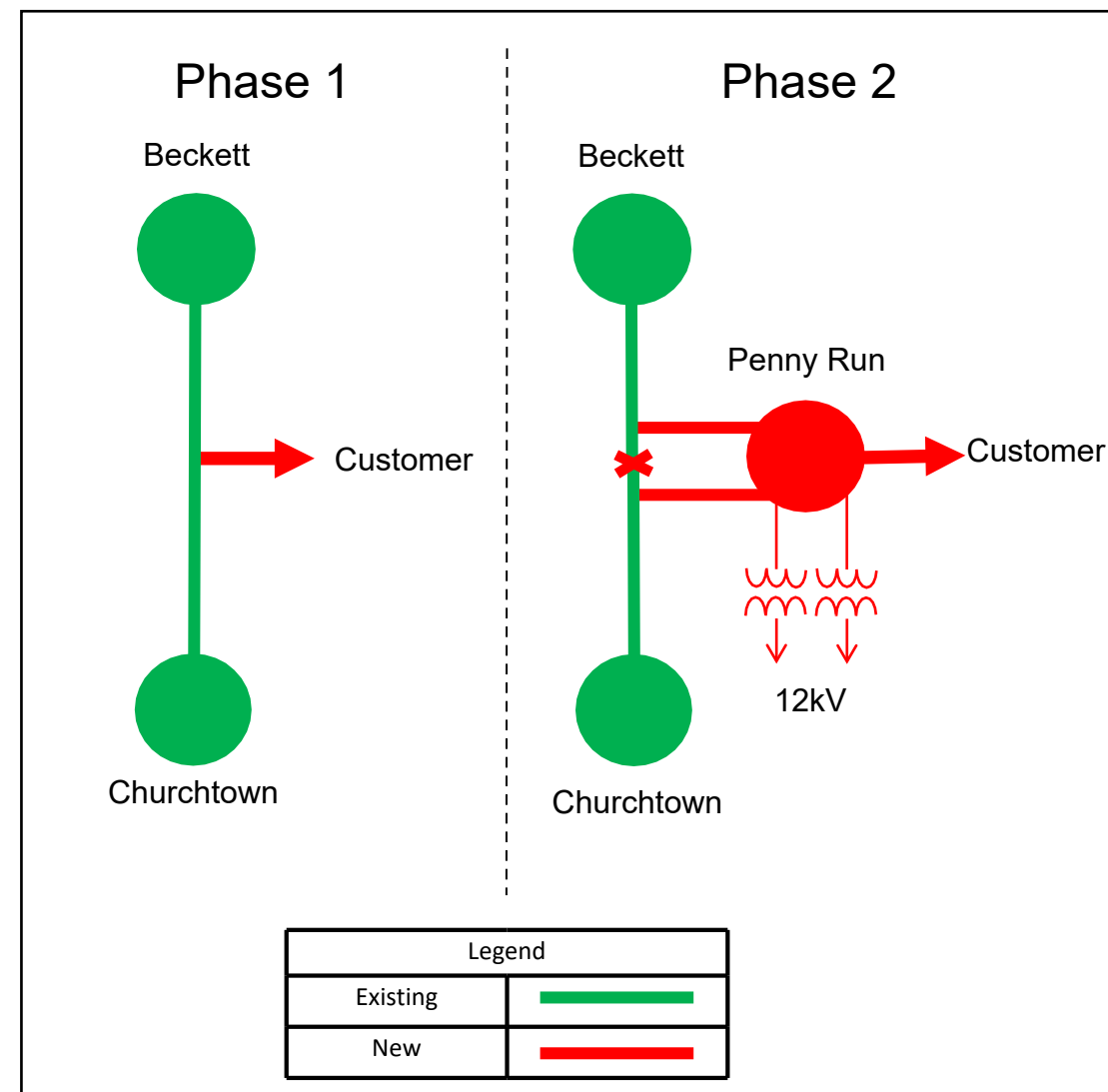
Estimated Transmission Cost: \$16M

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

Supplemental Project ID: s4035.1 (Phase 1), s4035.2 (Phase 2)

Project Status: Engineering

Model: 2029 RTEP





Version History

10/1/2026 – V1 – Slides #1-3, s4035.1-.2