

SR RTEP Committee – Mid-Atlantic PSE&G Supplemental Projects

June 16th, 2026

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



PSE&G Transmission Zone M-3 Process PSE&G Southern Territory

Need Number: PSEG-2025-0009

Process Stage: Solutions Meeting 06/16/2026

Previously Presented: Need Meeting 12/11/2025

Supplemental Project Driver:

- Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

[PSE&G 2025 Annual Assumptions](#)

- Equipment Reliability and Condition Assessment

Problem Statement:

- PSE&G 69kV system contains multiple circuits that were built prior to 2006 using standards that are currently outdated resulting in less reliable circuits compared to the circuits built after 2006.
- The following 69kV circuit needs to be addressed to improve reliability and resilience:
 - Lawrence to Customer – year built 1989

Model: 2025 Series RTEP 2030 SUM





PSE&G Transmission Zone M-3 Process PSE&G Southern Territory

Need Number: PSEG-2025-0009

Process Stage: Solutions Meeting 03/18/2026

Proposed Solution:

- Demolish existing circuit and rebuild to modern standards following same route
 - Install composite poles
 - Install 1,195 kcmil conductors in overhead sections
 - Install 3,000 kcmil cable in underground sections
 - Keep underbuilt section on transmission towers as-is
- Estimated Cost: \$48.4 M

Added Benefits:

- The new circuit has a higher expected capacity of 124 MVA summer normal and 153 MVA summer emergency

Alternative Considered:

- Replace equipment upon failure – this option is not considered a reliable option and can lead to long outages to customers and does not improve the long-term circuit performance.

Projected In-Service: 12/31/2029

Project Status: Conceptual

