



Substation Expansion

Seward 115 kV Substation

(Capital Project C/11559)

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NPPD Board of Directors Meeting &
Operations Committee
December 2025

Scott Walz, Vice President Energy Delivery



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Justification

- **The Seward transformers have a combined capacity of 49.21 Megavolt Amp (MVA).**
 - In 2022, they were loaded to 43.3 MVA (88%).
 - In 2023, there was a net increase of 5.4 MVA which would have loaded the transformers to 50.4 MVA (102%). This required a load transfer.
- **Breakers in the 34.5 kV Section rank high on the breaker replacement program due to age/condition.**
- **The City of Seward is looking at several economic development projects.**

Scope/Deliverables

- **Increase 115/34.5 kV transformer capacity to support natural load growth and proposed step load.**
 - Install 2 relocated transformers from Central City.
- **Modernize the substation to current standards.**
 - Rebuild the substation low side to 69 kV standards.
- **Address condition issues with existing equipment for higher reliability.**
 - Replace equipment due to age/condition.
- **Support additional relays**
 - Replace control building.

Costs

- **Total Project: \$9,033,920**
 - NPPD personnel and a contractor will complete the work required for this project.
 - Materials & Supplies: \$2,779,277
 - Contractor: \$3,317,040
 - NPPD Labor & Expenses: \$1,438,779
 - Contingency: \$694,189
 - Administrative & General: \$303,863
 - Interest During Construction: \$500,772

Schedule

- Funds approved by PRG: 11/18/2025
- Board Authorization: 12/11/2025
- Construction Start Date: 09/13/2027
- Asset In-Service Date: 03/24/2028
- Project Close Date: 06/26/2028

PRG: Peer Review Group

Recommendation

Approve Capital Project C/11559 for the total project cost of \$9,033,920, to increase capacity, stabilize reliability, and to modernize the substation at Seward.



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Questions

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