

Agency: Commerce, Community and Economic Development**Grant Recipient: The Alaska Energy Authority****Project Title:****Project Type:** Remodel, Reconstruction and Upgrades

AEA - Teeland to Healy Substation Improvements and Repair

State Funding Requested: \$5,000,000
One-Time Need**House District:** Statewide (1-40)**Brief Project Description:**

The state-owned SVCs enable the flow of power over the Alaska Intertie and are in need of new controls.

Funding Plan:

Total Project Cost:	\$15,000,000
Funding Already Secured:	(\$10,000,000)
FY2012 State Funding Request:	<u>(\$5,000,000)</u>
Project Deficit:	\$0

Funding Details:

In 2002 a grant was made to the Alaska Energy Authority for the construction of a new segment of 138-kv transmission line to bypass a section of line owned by Matanuska Electric Association and used by agreement as part of the Alaska Intertie. The bypass line has not been built, and the AEA has set aside \$10 million of the original grant for use on the SVC project

Detailed Project Description and Justification:

The state-owned SVCs on the Alaska intertie permit the transfer of about 75mW of capacity over this crucial link between Fairbanks and Southcentral Alaska. It is this line that carries Golden Valley's power from Bradley Lake as well as other energy transactions and facilitates reserve sharing. Without these systems, the transmission line would have high losses and be reduced to less than 50% of current transfer capacity. The three SVCs are the original items installed in 1984 and are overdue for major maintenance. AEA owns the intertie from Willow to Healy and contracts for use of the remaining segments from MEA. Teeland Substation is Chugach Electric property and they maintain the SVCs there. MEA performs maintenance on the intertie from Willow to south of Cantwell. Golden Valley performs maintenance north of that point. SVCs are AEA property.
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Project Timeline:

This is an estimated 2-year project, with funds to be spent in both years.
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Entity Responsible for the Ongoing Operation and Maintenance of this Project:

The Railbelt utilities that AEA uses to maintain this state-owned equipment

Grant Recipient Contact Information:

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Has this project been through a public review process at the local level and is it a community priority? Yes No

<i>For use by Co-chair Staff Only:</i>
10:27 AM 5/27/2011