

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

AEA - Anchorage to Quartz Creek Transmission Line Maintenance and Repair

State Funding Requested: \$25,000,000
One-Time Need

House District: Anchorage Areawide (16-32)

Brief Project Description:

Rebuild the oldest sections of an aging transmission line that is an important segment of the Railbelt grid.

Funding Plan:

Total Project Cost:	\$25,000,000
Funding Already Secured:	(\$0)
FY2012 State Funding Request:	<u>(\$25,000,000)</u>
Project Deficit:	\$0

Funding Details:

None to Date

Detailed Project Description and Justification:

This project will rebuild the oldest sections of the existing 115 kV transmission circuit connecting Anchorage to the Kenai Peninsula. This line provides the only path for Golden Valley Electric Association, Matanuska Electric Association, Municipal Light & Power, Seward and Chugach Electric Association to acquire power from the Bradley Lake Hydroelectric Project. Additionally the line provides direct benefits to Homer Electric Association by allowing its participation in power purchases from northern utilities, reserve sharing and emergency power purchases for outages on the Kenai Peninsula. The grant if realized will directly reduce costs to electric utility consumers and increase the reliability of the system. This line is approximately 50 years old, and many of the wooden poles and crossarms need to be replaced, as well as conductor and insulators. Avalanche mitigation, such as deflectors and/or conductor breakaway, will be incorporated into the design. One phase conductor will include optic fibers for communication purposes. Chugach Electric Association owns the line.

Project Timeline:

This project will take 5 years to complete, with approximately \$5 million expended per year.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Chugach Electric Association

Grant Recipient Contact Information:

Name:	Rebecca Logan
Title:	ARCTEC Board Member
Address:	646 West 4th Ave., Suite 200 Anchorage, Alaska 99501
Phone Number:	(907)563-2226
Email:	rlogan@alaskaalliance.com

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

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