

Reapprop to Alaska Energy Authority for Railbelt-wide Detailed Transmission Line Plan and Extension of Intertie to Point MacKenzie

FY2013 Request: \$0
Reference No: 52527

AP/AL: Appropriation

Project Type: Energy

Category: Development

Location: Fairbanks Areawide

House District: Fairbanks Areawide (HD 7-11)

Impact House District: Fairbanks Areawide (HD 7-11)

Contact: Sara Fisher-Goad

Estimated Project Dates: 03/15/2012 - 06/30/2016

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Brief Summary and Statement of Need:

The unexpended and unobligated balance of the appropriation made in sec. 78(c), ch. 1, SSSLA 2002, page 132, lines 2 – 5 (Alaska Energy Authority, upgrade and extend the Anchorage to Fairbanks power transmission line intertie to Teeland substation - \$20,300,000), as amended in sec. 69, ch. 29, SLA 2008, page 225, lines 24 – 29, estimated to be \$8,965,000, is re-appropriated as follows:

- (1) \$1,000,000 for a Railbelt- wide detailed transmission line plan;
- (2) the balance, estimated to be \$7,965,000, for the upgrade and extension of the Anchorage to Fairbanks power transmission line intertie to a southern terminus in the MacKenzie Point Area.

Funding:	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	Total
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

Sec 78, Ch 1, SLA 2002, page 132, lines 2-5 \$20,300,000 (AKSAS AR 32674-12)
 \$10,000,000 reappropriated for Alaska intertie Static VAR compensators and tower upgrade and repair Ch 29, Sec 69, SLA 2008, page 225, lines 24-29 (AKSAS AR 04712-13)

Project Description/Justification:

Up to \$1 million is needed to accomplish a Railbelt-wide detailed transmission plan. The detailed transmission plan is critical to determining where new transmission should be constructed and the best route to extend the Alaska intertie. The original appropriation provided funds to extend the intertie to the Teeland substation; however, during initial scoping and review of route selection

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alternatives the Alaska Energy Authority (AEA), in conjunction with the railbelt utilities, determined that this was not the optimal southern terminus for the extension.

There have been several new developments since these funds were originally appropriated including \$10 million being reappropriated to repair the intertie. AEA has published a Railbelt Integrated Resource Plan that did not address the detailed transmission needs of the region, but sets the framework for the additional needed studies. Several new regional generation sources are being pursued : Fire Island Wind, Eva Creek Wind and the design and licensing of the Susitna-Watana hydroelectric project.

Subject to the results of the detailed transmission plan, the unexpended and unobligated balance of this reappropriation would extend the Alaska intertie to the optimal southern terminus identified in the transmission study.

The Alaska intertie is a key and critical part of the Railbelt transmission system, and is the major component that allows the Railbelt utilities to remain interconnected. The extension of the Alaska intertie will strengthen the transmission connection from MacKenzie Point to the Douglas Substation (on the Hatcher Pass Road near Willow) assist in the movement of Bradley Lake Hydro energy north to Fairbanks, ensure increased capacity and reliability of power transmission in South-central Alaska, and will provide greater flexibility for dispatching generation resources for region-wide ratepayer benefit.