

Agency: Commerce, Community and Economic Development**Grant Recipient: Community & Economic Dev****Project Title:****Project Type: Planning and Research**

Alaska Energy Authority - Railbelt Large Scale Hydro Planning, Design and Permitting

State Funding Requested: \$10,000,000
One-Time Need**House District: Statewide (1-40)****Brief Project Description:**

Preliminary planning, design, permitting and field work for the Susitna, Chakachamna and Glacier Fork hydroelectric projects.

Funding Plan:**Total Cost of Project: \$10,000,000**

	<u>Funding Secured</u>		<u>Other Pending Requests</u>		<u>Anticipated Future Need</u>	
	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>
State Funds	\$10,000,000	11				
Total	\$10,000,000					

Detailed Project Description and Justification:

The Railbelt Integrated Resource Plan identified large hydro projects as a preferred energy source for the region. These funds would enable the AEA to carry out 1) needed geotechnical work, permitting and initial conceptual design for the Susitna Hydro Project (\$6 million), 2) feasibility and field studies related to the proposed Lake Chakachamna Hydro Project (\$3 million) and 3) conceptual design and preliminary permitting for Glacier Fork and other hydroelectric projects (\$1 million.)

If in the course of this project, the AEA determines one of the above hydroelectric projects has a "fatal flaw" or feature that makes it unfeasible, funds designated for that project will be used on the remaining hydro projects.

Project Timeline:

This stage of planning and design will be completed by December, 2010.

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

Alaska Energy Authority

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