

## Eska Creek Hydroelectric Project

<b>Grantees</b>	Bering Pacific Engineering (Independent Power Producer)
<b>Technology Type</b>	HYDRO
<b>Region</b>	Railbelt
<b>AEDG Project Code</b>	10265

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	676	Eska Creek Hydroelectric Project	7040063	407082	Feasibility	7/1/11	6/30/13	Closed

### Grant 7040063: Eska Creek Hydroelectric Project

**Project Scope:** The project will complete a reconnaissance study of a potential run-of-river hydroelectric power plant on Eska Creek near Sutton. Funding for this work is from a combination of \$37,000 in grant funding and grantee match with \$2,200 cash and \$5,200 in-kind contributions. Tasks include investigation of land ownership, mapping and surveying, resource data collection through stream flow monitoring, resource assessment, conceptual design, cost estimating and economic analysis. The data collected and analysis performed will be documented in a final report.

Eska Creek has a basin area of approximately 4.9 square miles. One hydropower scheme with over 2 1/2 miles of penstock would have potential capacity up to 1.5 MW. The proposed intake site is also located in (or adjacent to) several existing coal mining leases. The study will investigate potential project schemes and the possibility of acquiring easements for the project.

Environmental issues are undefined for this project. The Alaska Department of Natural Resources has noted potential conflicts with other users of this land and the proximity of the project to the Castle Mountain Fault.

**Project Status:** The project was found to not be economically viable. The grant is closed.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$14,407.70	\$14,407.70
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$14,407.70</b>	<b>\$14,407.70</b>
Required Local Match	\$2,881.54	\$2,881.54
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$17,289.24</b>	<b>\$17,289.24</b>