

## Grant Lake Hydroelectric Facility

<b>Grantees</b>	Kenai Hydro, LLC (Independent Power Producer), Homer Electric Association, Inc. (Utility-Cooperative)
<b>Technology Type</b>	HYDRO
<b>Region</b>	Railbelt
<b>AEDG Project Code</b>	10037

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
0	-114	Grant Lk/Crk Low-Impact Hydro Assess Pre-Construction	2195333	407025	Feasibility	6/1/08	12/31/09	Closed
1	34	Grant Lake/Falls Creek Hydro Feasibility Study	2195428	407042	Feasibility	8/20/08	12/31/12	Closed
4	635	Grant Lake Hydroelectric Facility	7040035	407042	Feasibility	7/1/11	6/30/14	Closed

### Grant 2195333: Grant Lk/Crk Low-Impact Hydro Assess Pre-Construction

**Project Scope:** Grant funds will be used to evaluate the potential for a small low-impact hydro facility utilizing the water resources provided by Grant Lake and Creek. Work will be completed per the information submitted by the Homer Electric Association dated February 11, 2008 (seven total pages) and incorporated into the grant agreement.

**Project Status:** A reconnaissance report was prepared with the grant. The report concluded the project was not feasible due to environmental concerns. The grant is closed.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$50,000.00	\$50,000.00
Other State Funding	\$50,000.00	\$50,000.00
<b>Total State</b>	<b>\$100,000.00</b>	<b>\$100,000.00</b>
Required Local Match	\$25,000.00	\$25,000.00
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$125,000.00</b>	<b>\$125,000.00</b>

### Grant 2195428: Grant Lake/Falls Creek Hydro Feasibility Study

**Project Scope:** Kenai Hydro, LLC is an entity formed to investigate the feasibility of and develop hydro power projects on the Kenai Peninsula.

This project is located near Moose Pass, Alaska and grant funds will be used to complete Phase II of the feasibility study begun with grant funds from the Alternative Energy Solicitation issued by the Alaska Energy Authority in 2007. Kenai Hydro, LLC proposes to divert water flows from Falls Creek into Grant Lake by operating a 4.5 MW hydroelectric facility on Grant Creek. Power from the project will be available to Homer Electric Association and other areas served by the existing Railbelt transmission grid.

A Preliminary Permit from the Federal Energy Regulatory Commission was secured on October 7, 2008. Phase I studies (stakeholder consultations and preliminary identification of necessary studies and permitting) were partially funded by the grant funds from the Alternative Energy Solicitation noted. This project (Phase II) will build on the work previously completed.

**Project Status:** KHL carries out Phase II feasibility level field studies and scoping in support of FERC licensing for this project. The proposed route for the transmission line and road access to the hydro facilities are impacted by the recently discovered Iditarod National Historic Trail which has senior rights to this land. Mitigation of impacts from hydro project are being studied. Project effects on changes in lake levels and river streamflows are also being investigated to minimize impacts to fish habitat. Phase II studies will be supplemented with additional Round IV grant funds.

The earliest approval of FERC license is anticipated in March 2014.

The grantee expended all grant funds and the grant has been closed.