

## Cosmos Hills Hydroelectric

**Grantees** Alaska Village Electric Cooperative (Utility-Cooperative)  
**Technology Type** HYDRO  
**Region** Northwest Arctic  
**AEDG Project Code** 10075

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	74	Cosmos Hills Hydroelectric Feasibility Study	2195413	407040	Feasibility	8/20/08	6/30/14	Closed

### Grant 2195413: Cosmos Hills Hydroelectric Feasibility Study

**Project Scope:** The project is to prepare a feasibility study of potential hydro resources in the Cosmos Hills area to serve Ambler, Shungnak, Kobuk, and Kiana. The first step will be to review prior studies, update cost estimates, and rerun economic analyses to arrive at a list of economic sites for further study, which will be documented in a reconnaissance report. Community outreach, stream gauging and hydrology study, survey and mapping, geotechnical review, field studies, environmental assessment and permitting will also be accomplished. The final outcome will consist of a feasibility level report and a conceptual design report.

**Project Status:** The Alaska Village Electric Cooperative (AVEC) and consultants WHPacific and Hatch completed the final feasibility report. A proposed 700 kW development on the Kogoluktuk River was recommended for further feasibility analysis, design, and permitting.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$1,025,000.00	\$1,025,000.00
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$1,025,000.00</b>	<b>\$1,025,000.00</b>
Required Local Match	\$50,625.00	\$50,625.00
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$1,075,625.00</b>	<b>\$1,075,625.00</b>