

Jack River Hydroelectric

Grantees Native Village of Cantwell (Local Government)
Technology Type HYDRO
Region Railbelt
AEDG Project Code 10020

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	606	Jack River Hydroelectric Feasibility Study	7040064	407084	Feasibility	7/1/11	6/30/13	Closed

Grant 7040064: Jack River Hydroelectric Feasibility Study

Project Scope: The Native Village of Cantwell will perform a reconnaissance study of a potential run-of-river hydroelectric power project on Jack River near Cantwell. Tasks include: resource data collection through stream flow monitoring; resource assessment; land use and environmental analysis, including any fish issues and if there are any physical barriers to fish migration; conceptual design and cost estimating; cost of energy and market analysis; and a simple economic analysis. The data collected and analysis performed will be documented in a final reconnaissance report. Preliminary project configuration includes a dam and short tunnel to a powerhouse with an estimated installed capacity in excess of 1 MW. The study will further investigate potential project schemes.

Project Status: The grant is complete and closed. Deliverable under this grant, is the report “Jack River Hydroelectric Reconnaissance Study”, dated March 2013, prepared by Polarconsult Alaska, Inc.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$30,000.00	\$30,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$30,000.00	\$30,000.00
Required Local Match	\$1,500.00	\$1,500.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$31,500.00	\$31,500.00