

Ruby Hydrokinetic

Grantees Yukon River Inter-Tribal (Local Government)
Technology Type OCEAN/RIVER
Region Yukon-Koyukuk/Upper Tanana
AEDG Project Code 10084

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	84	Ruby Hydrokinetic	2195402	407050	Feasibility	8/20/08	6/30/11	Closed

Grant 2195402: Ruby Hydrokinetic

Project Scope: The Yukon River Inter-Tribal Watershed Council (YRITWC) planned to expand on the hydrokinetic project it operated in Ruby in 2008. In 2009 the YRITWC planned to redeploy the 5kW hydrokinetic turbine used in 2008 in an effort to gain additional information for a revised resource assessment. To accomplish this there was a redesign of the turbine deployment (anchoring and debris diversion). The plan was to then to deploy a 25kW version of the hydrokinetic turbine in 2010 for study and analysis.

Project Status: The hydrokinetic project in Ruby was a small one time conceptual test. The turbine was installed, produced a small amount of power and removed within the same season. The project was a first of its kind in Alaska. The project revealed hydrokinetic deployments in Alaska rivers can be challenging.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$189,335.06	\$189,335.06
Other State Funding	\$0.00	\$0.00
Total State	\$189,335.06	\$189,335.06
Required Local Match	\$6,600.00	\$6,600.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$195,935.06	\$195,935.06