

Kivalina Wind-Intertie

Grantees	Alaska Village Electric Cooperative (Utility-Cooperative)
Technology Type	WIND
Region	Northwest Arctic
AEDG Project Code	10292

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
3	512	Kivalina Wind-Intertie Feasibility Analysis & Conceptual Design	7030016	409024	Feasibility	7/1/10	6/30/15	Active

Grant 7030016: Kivalina Wind-Intertie Feasibility Analysis & Conceptual Design

Project Scope: This project will complete the feasibility assessment, including “resolution of land and regulatory issues” and “environmental analysis” for a proposed 300kW wind project in Kivalina with an associated intertie to the Delong Mtn Transportation System (DMTS) port 17 miles to the southeast.

Project Status: The grant agreement is in place. The Alaska Village Electric Cooperative (AVEC) has retained WH Pacific as their engineering contractor. V3 Energy installed a met tower in May 2011. The grantee is also getting wind data from the Red Dog port. The shoreline route from the port to Kivalina passes through Cape Krusenstern NM. The wind data at the port is very bimodal: calm (45%) or strong wind events. Data was collected from the Kivalina site for one year with more stable winds. Wind report final draft was completed July 2012. A preliminary analysis between the two sites has been completed as has a geotech recon report. AVEC has delivered the Final Conceptual Design Report and Options Analysis. AVEC has purchased, shipped and installed a new met tower to Kisimigiuktuk Hill to collect wind data with the remaining funds. AEA will write the wind resource analysis for the K-Hill site after at least a year of data collection has finished. Grant close out procedure has been initiated.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$183,350.00	\$177,005.00
Other State Funding	\$0.00	\$0.00
Total State	\$183,350.00	\$177,005.00
Required Local Match	\$9,650.00	\$9,317.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$193,000.00	\$186,322.00