

Eek Wind Feasibility

Grantees	Alaska Village Electric Cooperative (Utility-Cooperative)
Technology Type	WIND
Region	Lower Yukon-Kuskokwim
AEDG Project Code	10306

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	639	Eek Wind Feasibility	7040019	410067	Feasibility	7/1/11	12/31/15	Active

Grant 7040019: Eek Wind Feasibility

Project Scope: The Alaska Village Electric Cooperative (AVEC) will conduct a wind resource and feasibility assessment in Eek. This project consists of \$142,500 from Round IV of the Renewable Energy Fund (REF) and \$7,500 from the grantee. A detailed conceptual design will be delivered to AEA upon completion of the project.

Project Status: The meteorological tower was installed at the end of the old airport runway on December 20, 2012. The first 6 months of data, indicate a strong class 3 wind resource at the met tower location and that the wind vane has been malfunctioning. Data collection is ongoing, but hampered by an incorrectly formatted SD card on the datalogger (manufacturer switched from MMC to SD card on newer dataloggers). V3 Energy traveled to Eek in October 2014 to correct datalogger communications issues. Village electric system is single-phase which may limit wind turbine options. Conceptual design report activity is underway.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$142,500.00	\$99,897.00
Other State Funding	\$0.00	\$0.00
Total State	\$142,500.00	\$99,897.00
Required Local Match	\$7,500.00	\$5,258.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$150,000.00	\$105,155.00