

Selawik Hybrid Wind Diesel System Turbine Upgrade

Grantees	Alaska Village Electric Cooperative (Utility-Cooperative)
Technology Type	WIND
Region	Northwest Arctic
AEDG Project Code	10311

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	647	Selawik Hybrid Wind Diesel System Turbine Upgrade	7040030	410074	Feasibility	7/1/11	12/31/15	Active

Grant 7040030: Selawik Hybrid Wind Diesel System Turbine Upgrade

Project Scope: The Alaska Village Electric Cooperative (AVEC) will conduct a wind resource and feasibility assessment to study the potential of replacing the old AOC turbines with NW100s or other models. A detailed conceptual design will be delivered to AEA upon completion of the project.

Project Status: The grant agreement is in place. AVEC is working with a consultant to identify met tower needs and options for new turbines. Information was collected on machines that could be used to repower the site. AVEC had discussions with their term consultant regarding repowering the wind site with different turbines. The consultant developed a proposal to perform the following and provided a fee proposal. AVEC purchased and delivered a 34 meter met tower to Selawik. The FAA permit for installation and operation of the met tower was approved. The tower has been raised and is collecting wind data.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$85,000.00	\$31,606.00
Other State Funding	\$0.00	\$0.00
Total State	\$85,000.00	\$31,606.00
Required Local Match	\$8,500.00	\$3,342.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$93,500.00	\$34,948.00