

Stebbins Wind

Grantees	Alaska Village Electric Cooperative (Utility-Cooperative)
Technology Type	WIND
Region	Bering Straits
AEDG Project Code	10198

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	648	Stebbins Wind Feasibility Study	7040008	410066	Feasibility	7/1/11	6/30/15	Active
7	1068	Stebbins St Michael Wind Energy Final Design and Permitting	7071068	410066	Final Design	7/1/14	12/31/15	Active

Grant 7040008: Stebbins Wind Feasibility Study

Project Scope: The Alaska Village Electric Cooperative (AVEC) will conduct a wind feasibility assessment in Stebbins with an intertie to St. Michael, 10 miles to the east. A detailed conceptual design will be delivered to AEA upon completion of the project.

Project Status: The grant agreement is in place. A meteorological (met) tower was installed between St. Michael and Stebbins which showed a viable, Class 5 wind regime. Due to land use issues this site cannot be used for wind turbines. Another met tower was installed January 2012 at a location just North of Stebbins. The wind resource at the Stebbins site is class 5 to low class 6. A draft Conceptual Design Report was submitted in on July 13, 2013 and AEA review comments were sent to the grantee on August 19, 2013. The CDR has been accepted and the grant will be closed out.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$137,750.00	\$137,750.00
Other State Funding	\$0.00	\$0.00
Total State	\$137,750.00	\$137,750.00
Required Local Match	\$7,250.00	\$7,259.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$145,000.00	\$145,009.00

Grant 7071068: Stebbins St Michael Wind Energy Final Design and Permitting

Project Scope: This grant consists of \$342,000 from Round 7 of the Renewable Energy Fund for permitting and design of a wind farm in the City of Stebbins, Alaska. The project will serve the intertied communities of Stebbins and St. Michael, Alaska. The total project cost is \$360,000 with \$18,000 provided by the grantee as a match. AVEC (Alaska Village Electric Cooperative) will complete final design and permitting, of a wind farm along with any necessary controls or equipment needed to integrate the wind farm into the Stebbins-St. Michael electrical grid.

Project Status: The grant was executed on August 28, 2014. Geotechnical field work was completed in the summer of 2014. This project was put on hold during AVEC's re-evaluation of turbine selection and negotiation with AKDOT to change air traffic patterns in the area of Stebbins. Design activities are underway.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$342,000.00	\$101,630.00
Other State Funding	\$0.00	\$0.00
Total State	\$342,000.00	\$101,630.00
Required Local Match	\$18,000.00	\$5,433.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$360,000.00	\$107,063.00