

Kokhanok Wind - Diesel

Grantees	Kokhanok Electric Utilities (Utility-Government)
Technology Type	WIND
Region	Bristol Bay
AEDG Project Code	10389

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
6	966	Kokhanok High-penetration Wind Energy	7060966	410089	Construction	7/1/13	12/31/15	Active

Grant 7060966: Kokhanok High-penetration Wind Energy

Project Scope: Kokhanok Electric will complete final design, construction and startup of any necessary controls or equipment needed to integrate the existing wind farm and wind-diesel components into the Kokhanok electrical grid.

By the end of 2011, the high development costs of the Kokhanok wind-diesel project, funded by a 2006 Legislative Appropriation, drove the original system designer, Sustainable Automation, out of business. The focus of this funding is to design and implement modifications that will allow a medium-penetration wind system with the wind turbines already installed.

Project Status: The grant agreement is in place. The grantee is reviewing bids from two subcontractors to get the system running in medium-penetration mode and demonstrate stability for six months of operation. Sustainable Power Systems, LLC has been dropped from consideration. The new grant amendment restructures the scope for Phase 1: Install new PLC controllers to automatically control diesel plant and allow for remote access and data collection for development in Phase 2: Complete a functioning medium penetration wind system with integrated secondary load controller to be tested by ACEP and installed in Kokhanok.

The grantee is seeking additional funding from other sources to purchase a commercially ready system controller. The project is on hold until the funding determination has been made.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$185,000.00	\$62,030.97
Other State Funding	\$0.00	\$0.00
Total State	\$185,000.00	\$62,030.97
Required Local Match	\$5,000.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$190,000.00	\$62,030.97