

Kwigillingok High Penetration Wind-Diesel Smart Grid

Grantees	Kwigillingok Power Company (Utility-Government)
Technology Type	WIND TO HEAT
Region	Lower Yukon-Kuskokwim
AEDG Project Code	10102

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	107	Kwigillingok High Penetration Wind-Diesel Smart Grid	2195410	410036	Construction	8/20/08	6/30/13	Active

Grant 2195410: Kwigillingok High Penetration Wind-Diesel Smart Grid

Project Scope: This project consists of the construction of a 450 kW high-penetration wind system in Kwigillingok with multiple secondary thermal loads in residences and the school. The project design is similar to a system being installed in Kongiganak. Half (\$1.6 million) of the funding is being provided by a legislative grant.

Project Status: Four out of five turbines are fully functional. The 3-phase tie-line upgrade is complete. The entire integrated system is projected to be commissioned by the fall of 2013. The stove and controller installation is complete. Additional controllers have been ordered. KPC has signed an agreement with Calista Corp to sell two wind turbines. AEA is waiting on follow-up information related to the contractor's as-built drawings and operations and maintenance plan that were submitted for review. Notice of Project Completion was mailed to grantee on June 11, 2013.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$1,600,000.00	\$1,600,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$1,600,000.00	\$1,600,000.00
Required Local Match	\$1,600,000.00	\$1,600,000.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$3,200,000.00	\$3,200,000.00