

Tuntutuliak High Penetration Wind-Diesel Smart Grid

Grantees Tuntutuliak Comm Svcs Assoc (Utility-Cooperative)
Technology Type WIND TO HEAT
Region Lower Yukon-Kuskokwim
AEDG Project Code 10173

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
2	273	Tuntutuliak High Penetration Wind-Diesel Smart Grid	2195457	410051	Construction	7/1/09	6/30/13	Active

Grant 2195457: Tuntutuliak High Penetration Wind-Diesel Smart Grid

Project Scope: This project consists of the construction of a 450 kW high-penetration wind system in Tuntutuliak with multiple secondary thermal loads in residences and the school. The project design is similar to a system being installed in Kongiganak. Half (\$1.5 million) of the funding is being provided by a legislative grant.

Project Status: All five turbines are operational. The cables are buried. The 3-phase power is extended. The contractor has finished installing all 30 ETS stoves. The fibre optic lines are run from the turbines to the powerhouse. Power poles for upgraded transformers were straightened. TCSA has signed an agreement with Calista Corp to sell one wind turbine. Funds have been zeroed out, but grant agreement is still open until project completed. 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 7/24/2013 this has not yet been received, on 12/9/2013 a letter was sent to grantee effectively closing the grant.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$1,760,000.00	\$1,760,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$1,760,000.00	\$1,760,000.00
Required Local Match	\$1,600,000.00	\$1,600,000.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$3,360,000.00	\$3,360,000.00