

Saint George Wind Farm

Grantees	City of St. George (Local Government)
Technology Type	WIND
Region	Aleutians
AEDG Project Code	10090

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	90	St. George Wind Farm Construction	2195398	410029	Construction	8/20/08	12/31/15	Active

Grant 2195398: St. George Wind Farm Construction

Project Scope: Wind-diesel project for the Community of St. George.

Project Status: The grantee is working closely with the AEA Wind and Rural Power Systems Upgrade (RPSU) programs in order to install a wind-diesel system. Construction bids came in higher than the funding available. The City of St. George will be working with the RPSU program to complete construction. Due to expected high winds in St. George starting in September, the erection of the turbine has been scheduled for spring 2014, after the winter winds have fallen off.

Construction of the the wind farm is under budget. A hub extender and larger VFD will be tested in Minnesota for possible use at the St. George Wind Farm. This equipment could allow St. George to produce more wind power with the same infrastructure. AEA and possibly ACEP will be involved in establishing the testing parameters and performing data analysis along with the manufacturers. The proposed equipment could help in the deployment of wind turbines at Alaskan communities with lower wind regimes.

The 95% design has been accepted by AEA. Wind turbine construction will be complete in November 2014. The wind Turbine was commissioned in November 2014. Three days after commissioning an apparent programming fault misapplied the braking system causing a fire. The turbine was covered by warranty and is being replaced. Completion of the replacement and commissioning is scheduled for sometime in 2015.

Tallk Inc. is working to complete repairs to the fire damaged turbine. The anticipated schedule for shipment to St. George with installation and testing is Oct 2015

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$1,500,000.00	\$1,455,167.34
Other State Funding	\$0.00	\$0.00
Total State	\$1,500,000.00	\$1,455,167.34
Required Local Match	\$0.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$1,500,000.00	\$1,455,167.34