

## Igiugig Wind Turbine Design

<b>Grantees</b>	Igiugig Village Council (Local Government)
<b>Technology Type</b>	WIND
<b>Region</b>	Bristol Bay
<b>AEDG Project Code</b>	10428

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
7	1072	Igiugig Wind Resource Feasibility/Conceptual Design	7071072	410098		7/1/14	9/30/16	Active

### Grant 7071072: Igiugig Wind Resource Feasibility/Conceptual Design

**Project Scope:** Igiugig Village Council will complete a feasibility study and conceptual design of a wind farm along with any necessary controls or equipment needed to integrate the wind farm into the local electrical grid. A minimum 12 month long meteorological study will be performed and a wind resource analysis written. Electrical load data will be gathered from the power plant to identify hourly load data and dispatchable electrical loads. Thermal load data will be collected from sites being considered for secondary loads. Geotechnical reconnaissance work will be completed. The feasibility analysis will address the diesel power plant and distribution system to identify upgrades that are needed to integrate wind power. A variety of wind turbine models and quantity configurations will be considered.

**Project Status:** Lake and Peninsula Borough is working with V3 Energy to complete the scope of work. AEA is revising the earlier wind resource report to comply with current best practices. The grant agreement was executed in November 2015. AEA revision of the wind resource report is nearly complete.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$80,000.00	\$0.00
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$80,000.00</b>	<b>\$0.00</b>
Required Local Match	\$0.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$80,000.00</b>	<b>\$0.00</b>