

## Atmautluak Wind Renewable Energy

**Grantees** Atmautluak Traditional Council (Government Entity - Tribal Council)  
**Technology Type** WIND  
**Region** Lower Yukon-Kuskokwim  
**AEDG Project Code** 10314

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	673	Atmautluak Wind Renewable Energy	7040002	410065	Feasibility	7/1/11	12/31/13	Closed

### Grant 7040002: Atmautluak Wind Renewable Energy

**Project Scope:** This project will complete a wind conceptual design report and conduct geotechnical analysis in Atmautluak. Significant work has already been done on the CDR.

**Project Status:** The average wind speed is 6.93 meters per second at 30 meters above ground. Wind power density is 382 watts per square meter - low class 4. Turbulence is low at 0.09. Wind shear is moderate at 0.158. Estimated net capacity factor is 30.2% for a Northern Power 100-kilowatt turbine or which two turbines are recommended along with secondary loads and controls. The conceptual design report was accepted and the project is ready for design work upon further funding. The grant is closed.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$100,000.00	\$100,000.00
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$100,000.00</b>	<b>\$100,000.00</b>
Required Local Match	\$0.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$100,000.00</b>	<b>\$100,000.00</b>