

## Banner Peak Wind Farm Expansion

<b>Grantees</b>	Nome Joint Utility System (Utility-Government)
<b>Technology Type</b>	WIND
<b>Region</b>	Bering Straits
<b>AEDG Project Code</b>	10384

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	52	Newton Peak Wind Farm	2195438	410030	Construction	8/20/08	6/30/16	Active

### Grant 2195438: Newton Peak Wind Farm

**Project Scope:** The Nome Joint Utility Systems (NJUS) originally requested \$13.95 million from Round I for feasibility, design and construction of a 3 MW wind farm but project funding was capped at \$4 million. An additional \$4.069 Million was awarded in Round V of the Renewable Energy Fund (REF). This grant consists of \$4,000,000 from Round I of the REF and \$4,069,000 from Round V for design and construction of a wind farm in the City of Nome and integration of a secondary load controller and resistive dump boiler into the Nome power system. The grantee will provide \$444,444 as match for the Round I appropriation and \$439,644 as a match for the Round V appropriation. The total funding for this project is \$8,953,088 with \$884,088 provided by the grantee. City of Nome/Nome Joint Utility System will complete a conceptual design, final design, permitting, construction and startup of a wind farm along with any necessary controls or equipment needed to integrate the wind farm into the Nome electrical grid.

**Project Status:** The NJUS Round I grant application, called for the construction of five 600 kW wind turbines on Newton Peak at a cost of \$13,952,326. Due to caps on funding of Renewable Energy Fund (REF) projects, AEA recommended partial funding of this project for \$4 Million. In response, the wind farm was reduced to a single EWT 900 wind turbine. The location was also changed from Newton Peak to Anvil Mountain and then to Banner Peak due to icing concerns. The caps on REF projects have been raised to \$8 Million. NJUS submitted two applications in Round V. The first was for \$3,703,500 and called for the installation of a second EWT 900 on Banner Peak. The second called for restructuring the layout of the diesel gensets in Nome and for the installation of a secondary load boiler. Restructuring the power plant is an ineligible cost under the RE Fund. AEA recommended partial funding of \$4,069,000 for the installation of the second EWT 900 turbine and the installation of the secondary load boiler with the requirement that the Authority accept final design and permitting and NJUS reconfigures the existing diesel generators before construction funds are released.

The grants are in place. The Conceptual Design Report (CDR) has been accepted by AEA. The 65% design has been accepted. The grantee has moved forward with construction prior to the 95% design being accepted by AEA and the turbines are installed and commissioned. The grantee is over budget with regards to secondary load installations. AEA has accepted a letter from NJUS detailing proposed locations for secondary loads and possible funding sources. With this letter AEA has accepted the 95% design and will withhold \$100,000 until the project is fully completed.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$8,069,000.00	\$7,969,000.00
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$8,069,000.00</b>	<b>\$7,969,000.00</b>
Required Local Match	\$884,088.00	\$874,338.00
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$8,953,088.00</b>	<b>\$8,843,338.00</b>