

## Chefnak Wind

|                          |                                    |
|--------------------------|------------------------------------|
| <b>Grantees</b>          | City of Chefnak (Local Government) |
| <b>Technology Type</b>   | WIND                               |
| <b>Region</b>            | Lower Yukon-Kuskokwim              |
| <b>AEDG Project Code</b> | 10233                              |

### REF Grants Received

| Round | App | Grant Title                    | Grant # | AEA Project # | Phase       | Start Date | End Date | Status |
|-------|-----|--------------------------------|---------|---------------|-------------|------------|----------|--------|
| 4     | 650 | Chefnak Wind Feasibility Study | 7040056 | 410076        | Feasibility | 7/1/11     | 12/31/15 | Active |

### Grant 7040056: Chefnak Wind Feasibility Study

**Project Scope:** This grant was partially funded. This grant consists of \$136,750 from Round IV of the Renewable Energy Fund for a wind feasibility assessment in Chefnak. A wind resource analysis will be completed after a year of data is collected. The grantee will complete geotechnical reconnaissance to determine the advisability of installing wind turbines.

**Project Status:** The grant is in place. The grantee initially worked with STG as their contractor and is now working with IES. The meteorological (met) tower was installed June 6, 2012. The required, minimum 12 months of data collection has been met and initially the data shows a class 6 wind resource. Data collection is continuing.

A Wind Resource Assessment was submitted on July 18, 2014. A Draft Conceptual Design Report (CDR) was submitted on August 23, 2014. A meeting was held on September 17, 2014 to discuss the CDR and additional information was requested. Supplemental information was submitted on November 12, 2014. Another meeting was held on December 22, 2014 to discuss the CDR. AEA provided further guidance on information necessary to complete the CDR. A draft CDR was submitted in June of 2015. The review of the proposed project found the project not technically or economically feasible based on existing systems with the same architecture. Another submittal of the CDR was made in January 2016.

| As of Nov. 30, 2013        | Budget              | Expenditures        |
|----------------------------|---------------------|---------------------|
| Renewable Energy Funding   | \$136,750.00        | \$104,251.77        |
| Other State Funding        | \$0.00              | \$0.00              |
| <b>Total State</b>         | <b>\$136,750.00</b> | <b>\$104,251.77</b> |
| Required Local Match       | \$8,205.00          | \$3,369.00          |
| Federal Grant Funding      | \$0.00              | \$0.00              |
| <b>Total Project Costs</b> | <b>\$144,955.00</b> | <b>\$107,620.77</b> |