

**Agency: Commerce, Community and Economic Development****Grants to Municipalities (AS 37.05.315)****Grant Recipient: Denali Borough****Federal Tax ID: 920135377****Project Title:****Project Type: Remodel, Reconstruction and Upgrades**

# Denali Borough - Tri-Valley K-12 School Elementary Wing Energy Efficiency Upgrade

**State Funding Requested: \$169,160****House District: 38 / S**

One-Time Need

**Brief Project Description:**

To save money by maximizing use of the Tri-Valley School's existing coal-fired boiler, the borough proposes bringing boiler heat to the elementary wing and the multi-purpose room, presently heated by oil-fired boilers. Those boilers would stay in place to serve as emergency backup.

**Funding Plan:**

Total Project Cost:	\$169,160
Funding Already Secured:	(\$0)
FY2015 State Funding Request:	<u>(\$169,160)</u>
Project Deficit:	\$0

**Detailed Project Description and Justification:**

Tri-Valley school sits a few miles from Usibelli Coal Mine and has an underused coal-fired boiler.

To maximize the use of this existing boiler, the Denali Borough proposes to bring coal boiler heat to the School's elementary wing and multi-purpose room. These areas, (12,000 square feet) are presently heated by expensive oil-fired boilers. The FY 15 budget for the school includes \$152,800 for heating oil. The oil-fired boilers would remain in place as emergency backup.

In 2012, Nortech Engineering completed an energy audit of Denali Borough schools. Nortech identified this project as a high priority and estimated an annual energy savings of \$90,734.00. In less than two years, this project would pay for itself. Every year thereafter, the Denali Borough School District would realize significant energy savings.

Funding this request provides a tremendous short term return and results in long term energy savings.

Both the Denali Borough School District Board and the Denali Borough Assembly have moved to support this request.

**Cost Estimate:**

Design (from MEB Engineering Services)	\$18,000
Construction (from Alpine Plumbing & Heating)	\$132,600
Administrative Overhead (9% of construction)	\$11,930
Contingency (5% of construction estimate)	\$6,630

TOTAL \$169,160

**Project Timeline:**

Full funding would allow the Denali Borough School District to complete the elementary wing and multi-purpose room tie-in in FY 15, by the beginning of the school year in fall 2014.

**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

Denali Borough School District

**Grant Recipient Contact Information:**

Name: Clay Walker  
Title: Mayor  
Address: P.O. Box 480  
Healy, Alaska 99743  
Phone Number: (907)683-1330  
Email: clay\_walker@denaliboro.com

Has this project been through a public review process at the local level and is it a community priority?  Yes  No

DENALI BOROUGH, ALASKA  
RESOLUTION NO. 14-04

A RESOLUTION BY THE DENALI BOROUGH ASSEMBLY IDENTIFYING  
STATE OF ALASKA BUDGET REQUESTS FOR FISCAL YEAR 2015

WHEREAS, the Denali Borough has identified projects that will assist the appropriate and legitimate operation of borough functions, and

WHEREAS, the Denali Borough will be able to efficiently and effectively provide services and functions for residents and visitors with financial assistance from the state of Alaska.

NOW, THEREFORE BE IT RESOLVED; the Denali Borough Assembly and Administration requests the following items be considered for inclusion in the state of Alaska Fiscal Year 2015 Capital Budget.

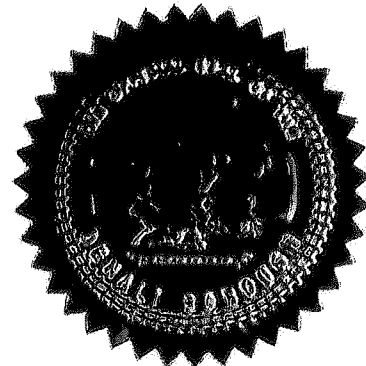
\$118,000 – Tri-Valley Volunteer Fire Department Ambulance. To purchase a new ambulance that will transport patients from the Denali Borough to appropriate medical facilities

\$170,000– Tri-Valley School Energy Upgrade. To utilize the current Coal Boiler 100% by plumbing coal heat to the elementary wing while keeping current oil heating system for stand-by. The estimated annual energy savings is \$90,734.

PASSED AND APPROVED by the Denali Borough Assembly this 12<sup>th</sup> day of FEBRUARY, 2014.

  
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MAYOR CLAY WALKER

ATTEST:   
\_\_\_\_\_  
GAIL PIEKNIK, BOROUGH CLERK



AYES: PASSED UNANIMOUSLY  
ABSENT: DEBLAUW and TATUM