



## Alaska Dog Musher's Association (ADMA)

**Auditor:** Wisdom & Associates, Inc.

**Audit date:** August 2015

The Alaska Dog Musher's Association has been in Fairbanks for more than 70 years and hosts dog mushing races throughout the winter. The clubhouse was built in the early 1980s to provide a warm gathering place during races. The community rents out the building for weddings and gatherings.

ADMA applied to participate in the pilot cohort and was admitted by the selection committee. Wisdom & Associates, Inc. conducted a Level II building audit for \$3,325.

### Mission

To encourage and perpetuate the sport of sled dog racing in Alaska, to improve the breeding and training of the Alaskan sled dog, and to promote the humane treatment of dogs.



*Photo Courtesy of Wisdom and Associates, Inc.*

### Building

**Size:** 2,569 ft<sup>2</sup>

### Fuel consumption

**Baseline annual fuel use:** 289 MBTU

Electricity (13,983 kWh / 48 MBTU)

Fuel oil #2 (1,748 gal / 241 MBTU)

**Baseline EUI:** 112 kBtu/ft<sup>2</sup>/year

**Baseline annual energy costs:** \$9,955

Electricity (\$2,981)

Fuel oil #2 (\$6,974)



### Audit recommendations (Completed retrofits in black)

Recommendation	Predicted costs	Actual cost	Contractor	Date completed	Notes
<b>Lighting replacement</b>					
1. Exterior south	\$60				
2. Exterior north	\$30				
3. Great room	\$630				
4. Dining area	\$300				
5. Arctic entry	\$60				
6. Restrooms	\$300				
7. Kitchen	\$400				
8. Office	\$200				
9. Storage boiler and office closets	\$90				
<b>HVAC and DHW</b>					
10. Install setback thermostat in meeting hall	\$200	\$9,000	Johnson & River Enterprise	October 2015	The actual cost is higher than the estimate because it includes the purchase and installation of a new furnace in addition to new insulated ductwork.
11. Seal and insulate ductwork	\$2,888				
<b>Building envelope</b>					
12. Air sealing	\$2,891			October 2015	They replaced two exterior doors and three windows and completed the floor insulation project.
13. Replace existing exterior door	\$888	\$13,000	Johnson & River Enterprise		
14. Replace insulation in exposed floor	\$11,608				
15. Install insulation in ceiling w/ attic	\$4,630				
<b>Total:</b>	<b>\$25,175</b>	<b>Total: \$22,000</b>			