

## Statement of Interest In Developing Wood-Fired Heating Projects

*Information from this form will be used in ranking your project for a pre-feasibility assessment that will be conducted by a contractor hired on behalf of the Alaska Wood Energy Task Group.*

*Not all applications can be funded*

Electronic copies of this form can be downloaded from the Alaska Energy Authority website at  
<http://www.akenergyauthority.org/Programs/AEEE/Biomass>

It is preferred that Statements of Interest are submitted electronically (via e-mail) but paper copies will be accepted via mail (no fax).

<b>Applicant:</b>	Aniak High School, Aniak		
<b>Eligibility:</b>	<input type="checkbox"/> Local Government <input checked="" type="checkbox"/> School <input type="checkbox"/> State Agency <input type="checkbox"/> Not-For-Profit Organization <input type="checkbox"/> Federal Agency <input type="checkbox"/> Federally Recognized Tribe: _____ <input type="checkbox"/> ANCSA Corporation: _____ <input type="checkbox"/> Other: _____ <input type="checkbox"/> Commercial Enterprise (identify industry sector): _____		
<b>Contact Name:</b>	Severin Gardner or Chris Reich		
<b>Mailing Address:</b>	PO Box 30		
<b>City:</b>	Kalskag		
<b>State:</b>	AK	<b>Zip Code:</b>	99607
<b>Telephone:</b>	907.471.2288		
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<b>Email:</b>	<a href="mailto:sgardner@kuspuk.org">sgardner@kuspuk.org</a>		

Please refer to Frequently asked Questions for more information on completing this Statement of Interest.

Please respond to the following evaluation criteria: (Attach additional pages as necessary)

1. Please include a short paragraph on what your objectives are with this project.

**Our objectives are to: reduce reliance on diesel fuel for heating the high school, lower the costs of heating the high school, and free financial resources for other student-oriented activities.**

**Questions 2-3 are specific to individual buildings. Applications can include more than one building. PLEASE SUBMIT A COPY OF THIS PAGE FOR EACH BUILDING**

**Facility Identification/Name:** Aniak High School

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**2. Facility information**

Approximate size (square footage) of building	21,400
Type of construction (wood, cement, etc.)	Wood
Age of building	30+ years
What is building used for?	High School, 7-12
Has building had a recent energy audit?	No
What is the age of the current heating system?	Approx. 30 years
What type of current heating system is in place? (Radiant, forced air, baseboard etc.)	One Burnham oil fired boiler. One Jackson Church-Hill oil fired forced air furnace.

**3. Current fuel situation**

Type of fuel used (#1 fuel oil, #2 fuel oil, propane, etc.)	#1 fuel oil
Annual fuel consumption (gallons)	12,309
Cost of fuel per gallon	\$2.48
Cost of electricity per kWh	\$.55

**Please attach other facility information that would be useful, such as Maps, Photographs, As-built Survey, etc.**

**Questions 4 – 10 are general questions – answer only once per application – not required for every building.**

**4. Presence of high-hazard forest fuels**

Describe any forest fires or insect outbreaks in the past 5 years: None.

- Discuss any activities to utilize dead/dying material: There are no current activities that use dead/dying material.
- Discuss any activities or programs that would mitigate the effects of future fires or infestations: There are none currently. Having a wood-fired boiler would consume dead and/or dying material (scrub brush, fallen trees).

#### **5. Resource Issues**

- Where would you plan on getting wood from? Napaimute lumberyard and Kalskag's surrounding forests through local purchases from community members.
- Discuss the ownership of nearby forest lands and any agreements there may be to harvest trees (live or dead) from those lands. Tribal, TKC, Kuskokwim Corp
- Discuss the extent and sustainability of local forest resources and wood supply: standing burn from 2005, lumberyard within 5 miles, local sawmills.
- Discuss wildlife habitat or other forest health issues you may have: none
- Is there a LAND MANAGEMENT PLAN in place for the area of wood source? Leased to Napaimute from TKC.
- Do you have access to other wood (i.e. drift wood, wood pellets, bio bricks etc.)? Drift wood can be acquired, and wood pellets can be barged in on the river.

#### **6. Availability of local wood processing residues (e.g., slabs, chips, bark, sawdust, shavings, etc.) -**

- List any known wood processors near your community. Include owners' names and contact information. Napaimute Lumberyard, Mark Leary, 907.545.2877
- What do those processors currently do with their residues? Unknown.

#### **7. Wood Fuel Availability**

- What type of woody biomass are you interested in for your system (pellets, chips, cordwood, etc) Primarily chips.
- Provide anticipated cost for the woody biomass planned on being used. 140 cords of wood times \$300 = \$42,000 per year

#### **8. Discuss community support/advocacy, or which agency will be the project champion for this project**

- Please tell us about your community advocate (or advocacy group). Mark Leary
- Does your community have any other wood energy systems? If yes, please identify the system. No
- Have you had any meetings to discuss wood energy? Feasibility study done in 2013 for Lower School in Lower Kalskag.

#### **9. Please provide a narrative or description on how you see this project being operated and maintained in your community. The school would have a specified period of time for community members to provide biomass. After this specified period of time, the school could then contract out with a local lumberyard to acquire biomass.**

**10. Discuss what, if any, public benefit will result from this project.**

**This project would provide opportunities for the local community to earn money, and support local, Alaskan industry.**

**11. Please include any other information that should be considered for this project.**

**Return Statement of Interest to:**

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