

Project Objective:

To begin a used oil recycling program in the community by setting up collection points, installing a used oil furnace and educating community members about the importance of properly disposing of the used oil to reduce energy costs and minimize risk to human and environmental health associated with the improper disposal of used oil.

Results:

The Traditional Council of Togiak purchased an Energy Logic furnace and with help from the housing authority, installed it in their Tribal building/clinic to provide supplemental heat to help minimize heating costs. They created used oil collection points in the community with supplies provided by the Alaska Forum. A presentation was done during a community gathering to educate people about the project and about proper oil disposal.

Benefits:

- Residents are more educated about the negative health effects associated with burning used oil in steam baths and burn barrels.
- Since there are now collection options available in the community, residents will be less likely to dispose of used oil improperly and burn in their steam baths.
- Cleaner, healthier environment and residents.
- Once completely operational, there will be decreased energy costs and the use of diesel heating fuel. The Tribe will be able to do pre and post cost comparisons.

Lessons Learned:

- **Research your product well.** Before receiving the CEDP grant to purchase a used oil furnace, they purchased a SmartAsh burner and the SmartHeat attachment and were planning to install. Unlike the used oil furnace which was specifically designed to utilize used oil to provide heat, the SmartAsh system would have been extremely inefficient for the intended purpose and not as safe to operate.
- **Additional parts might be necessary.** After receiving the used oil furnace and the installation began, it was realized that in order to install it to run with the existing heating system, more parts would be needed. This created an unexpected delay and an additional expense.
- **Know your training.** A local tribal member was sent to boiler training, in hopes that he would learn valuable information about installing the used oil furnace. The training that was selected was not beneficial for this type of installation. Ask the vendor if they offer training or if they know who does.

For more information:

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ANTHC project website: <http://www.anthc.org/chs/ces/hve/2010-cedp-grants.cfm>

TRADITIONAL COUNCIL OF TOGIAK



Used Oil Recycling Project



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* PROJECT TIMELINE *

Traditional Council of Togiak
2010 Community Environmental Demonstration Project Grant

Work performed before February 1, 2010
* Established good working relationships with other local entities to collect and store used oil. MOA's and letters of support were developed and signed.

Received CEDP grant from ANTHC.

Acquired 3 quotes from vendors for used oil furnace. Companies included NuEra Corp, N.W. Alternative Energy and Nenana Heating.



A presentation about health risks associated with the improper handling and disposal of used oil was done at a community event to educate residents.

The Traditional Council of Togiak spent over \$8,000.00 on traditional heating fuel in 2009. The used oil furnace should help drastically reduce the cost for future years.

All of the supplies requested from the Alaska Forum to set up in the used oil collection locations arrived. This included 6 plastic 55 gallon drums, 2 fish totes, a 7'x7' storage shed, oil spill response kit and 3 rubbermaid storage benches.



A Black Gold waste oil furnace was purchased from NuEra.

Purchased an ATV from Alaska Fun Center and an ATV trailer from Tag a Long – Off Road Trailers.

The furnace arrived in Togiak via barge.

Boiler installation begins, but is put on hold because additional parts are needed.



Created a presentation for the 2011 Alaska Forum on the Environment.

Acquired 3 quotes for an ATV and Trailer to be used for the transportation of used oil from collection points to the Tribal office. The cost of the ATV and trailer was shared between the CEDP grant and the Tribes EPA IGAP grant.



Three used oil drop-off locations were selected. Due to budget limitations, funding was sought from the Alaska Forum small hazardous waste grants to order supplies necessary to properly collect and store used oil.

