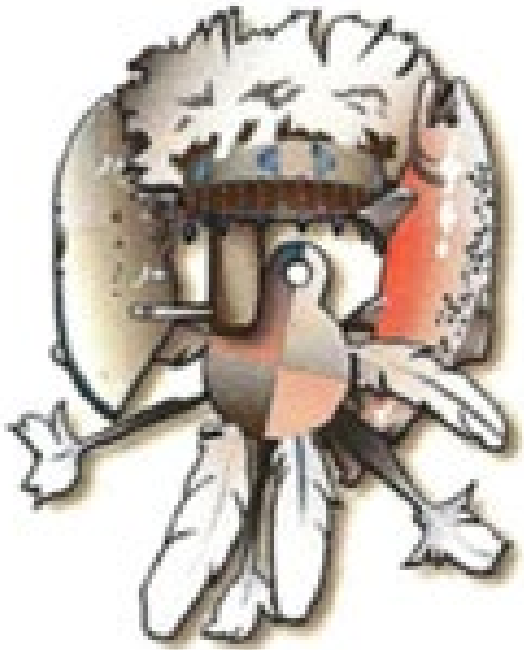


# Aniak Energy Efficiency Retrofit Project



**ANIYAK**  
TRADITIONAL COUNCIL

Aniak is not connected to the road system. Travel is by small plane or by boat when river is free of ice.

Located on the Kuskokwim River in Southwest Alaska.

Aniak is a service and transportation hub for the surrounding region.





## Aniak, Alaska Current Gas and Stove Oil Prices

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- Gasoline \$9.15 per gallon
- Stove Oil \$8.97 per gallon



## Project Summary

The Village of Aniak is a remote Yup'ik community in western Alaska. Village of Aniak is proposing to install energy efficiency measures in the Tribal Office, Community Center, ICWA and DOJ Office, and Duplex. The goal of the project is to reduce the overall energy use of the Village of Aniak by implementing energy efficiency measures in four high-use tribal buildings. This project expects to have the following outcomes: projected annual energy savings of approximately \$24,238; projected annual reduction in fuel oil of roughly 1,802 gallons and electricity of around 24,537 kWh; and annual reduction in carbon dioxide emissions of approximately 84,594 pounds/year.



## Background

Aniak Traditional Council to obtained energy audits on these buildings in 2017-2018, and this project will implement the resulting high-payback recommendations such as replacing lighting with LEDs, installing setback thermostats, and air-tightening building envelopes. Buildings will see reductions in energy costs ranging from approximately 17 to 34%. These retrofits will help build Aniak Traditional Councils long-term vision to support sustainable practices through energy conservation and address the four goals of the Aniak Traditional Council's (ATC) Energy Action Plan developed in 2019. Aniak Traditional Council intends to replicate this project by using the resulting energy savings to address audit recommendations in other buildings as well as pursue energy audits for community buildings that do not have them, and they will demonstrate the value of energy efficiency to community members. Other expected outcomes will include an increase in community resiliency, reduced dependence on shipments of fuel oil, and training for maintenance staff.





*ATC Main  
Office Building*



*ATC Duplex and ICWA & DOJ Office Buildings*

# ATC Community Hall Building

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# Energy Audits of Alaska



Implementing Energy Efficiency in Commercial Industrial and Municipal Buildings

1. Community Center
2. Tribal office
3. ICWA and DOJ office
4. Duplex

## DESCRIPTION OF SCOPE OF WORK:

- Obtain final list of energy efficiency measures to be implemented from building owner and project partners
  - Perform walk through of each building, facilitated by the Aniak Maintenance Director, to identify physical access and limitations, power supply and other construction related site issues
  - Develop well defined scopes of work for electrical and construction contractors
- Walk through will be done December of 2022



**COLD CLIMATE**  
HOUSING RESEARCH CENTER

## CONTRACT AGREEMENT

Cold Climate Housing Research Center (CCHRC).

**Description of Services** Upon Contract Award and Notice to Proceed, CCHRC will begin performance.

- Document the present condition of buildings
  - Create a data management plan
  - Create an outreach plan
  - Create a COVID mitigation plan
  - Develop pre-construction scopes of work
  - Develop and release RFPs for each scope of work
  - Assist with contractor selection
  - Document retrofit work
  - Collect pre and post retrofit data
  - Analyze pre and post retrofit data
  - Assist with outreach materials for annual tribal meeting, Dept. of Energy annual program review and website
- Submit final report to the Dept. of Energy  
Anticipated completion date May 15, 2024



For additional information, please contact:

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**Thank  
You**