

Atmautluak Energy Efficiency Project

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DOE PROGRAM REVIEW

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Native Village of Atmautluak

- Yup'ik Alaska Native Village of 322 people.
- People have lived a subsistence lifestyle at the village site for thousands of years.
- The village is governed by a Traditional Council.
- People participate strongly in traditional arts and crafts.
- The community has one school, one health clinic, and one store.



Background



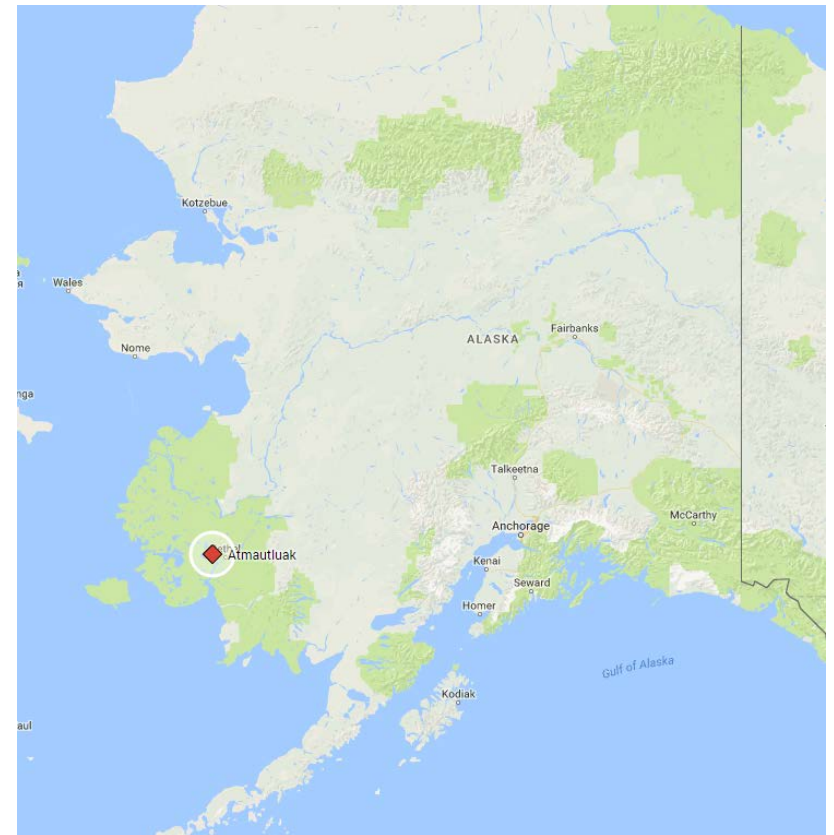
- Atmautluak has a long-term goal to make the community sustainable, healthy, and safe.
- Atmautluak has already completed successful energy efficiency projects and the current project will continue this work.
 - Energy audit in 2016 for Washeteria.
 - Power plant heat recovery system directing waste heat to washeteria, store, and post office.
 - Constructed two super energy efficient prototype homes in 2013 with the Cold Climate Housing Research Center.

Project overview

- This project will address the high energy costs in Atmautluak.
 - Gallon of gasoline is \$6.16
 - Gallon of heating fuel is \$6.73
- The goal of the project is to reduce the fuel oil and electrical energy use of tribal buildings.
- Strategy:
 - Identify tribal buildings with high energy use.
 - Conduct ASHRAE Level II energy audits.
 - Develop an Energy Action Plan for each building.
 - Retrofit plan
 - Maintenance plan
 - Training opportunities
 - Scope of work for contractors

Project location

- Atmautluak is not connected to the road system. Travel is by small plane or by boat when river is free of ice.
- Located on west bank of Pitmiktakik River in Southwest Alaska.



Participants

- David Nicholai – Tribal administrator
- The Atmautluak Traditional Council will choose the buildings to audit, establish goals for each building, and work with the Cold Climate Housing Research Center on the Energy Action Plans.
- Cold Climate Housing Research Center (CCHRC) – Alaska nonprofit organization that will conduct the energy audits and help develop the Energy Action Plans.



Progress to-date

- Atmautluak Traditional Council has met to discuss which buildings they would like to audit.
 - Community hall
 - Gaming department
 - Public safety building
 - Traditional Council shop
 - The washeteria already has a planned upgrade from a previous audit and will not require a second audit.



Next steps

- CCHRC will visit Atmautluak before March 31, 2018.
- CCHRC will meet with the Traditional Council to establish goals for each building, conduct on-site assessments of each building, and gather baseline energy data.
- CCHRC and the Atmautluak Traditional Council will work on the Energy Action Plans over the next year.



Questions

For additional information, please contact:

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