

Sleetmute Heat Recovery - Power Plant to Water Plant

Grantees Sleetmute Traditional Council (Local Government)
Technology Type HEAT RECOVERY
Region Lower Yukon-Kuskokwim
AEDG Project Code 10355

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
5	848	Sleetmute Heat Recovery - Power Plant to Water Plant	7050848	403058	Construction	7/1/12	6/30/16	Active

Grant 7050848: Sleetmute Heat Recovery - Power Plant to Water Plant

Project Scope: This project will provide the final design and construction of a heat recovery that will utilize the heat from the engines at the Middle Kuskokwim Electric Plant and send it to the water treatment plant to heat the building, the circulated water loops, and the water storage tank. Sleetmute Traditional Council, in collaboration with ANTHC, proposes to construct a waste heat from the Middle Kuskokwim Electric generating station to the water treatment plant. The project will displace approximately 1,779 gallons of diesel per year according to a 2010 Heat Recovery Analysis.

The Middle Kuskokwim Electric Power Plant and the Sleetmute water treatment plant are located in Sleetmute. A feasibility study has been done for this project as part of an energy audit of the water treatment plant, and the design will be completed soon with other funds. AEA will work with the grantee to ensure that building energy efficiency is addressed in conjunction with this project. AEA funding is only being provided for construction.

Project Status: This project is operational. The project will closeout pending of the final inspection.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$126,682.00	\$122,911.15
Other State Funding	\$0.00	\$0.00
Total State	\$126,682.00	\$122,911.15
Required Local Match	\$6,667.00	\$6,667.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$133,349.00	\$129,578.15