

Savoonga Heat Recovery - Power Plant to Water Plant

Grantees	City of Savoonga (Local Government)
Technology Type	HEAT RECOVERY
Region	Bering Straits
AEDG Project Code	10362

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
6	934	Savoonga Heat Recovery System - Power Plant to Water Plant	7060934	403062	Construction	7/1/13	12/31/15	Active

Grant 7060934: Savoonga Heat Recovery System - Power Plant to Water Plant

Project Scope: This grant consists of \$425,701 from Round VI of the Renewable Energy Fund for construction of jacket heat recovery project to capture the recovered heat from the diesel engines in the AVEC power plant and excess wind energy from existing wind turbines and send the recovered heat to the water treatment plant for space heating, water storage tank heating, and circulation loop heating and it is expected to reduce the fuel oil usage by 8,800 gallons per year, nearly offsetting the total fuel oil usage.

Alaska Village Electric Cooperative (AVEC) has an agreement with the Alaska Rural Utility Collaborative (ARUC), which is under the Alaska Native Tribal Health Consortium (ANTHC), to receive the recovered heat for the water treatment plant on behalf of the City of Savoonga.

The total project cost is \$437,453 with \$11,752 of in-kind contribution provided by ANTHC as a match. The City of Savoonga is the grantee. ANTHC will provide project/construction services for this project as an in-kind match, \$11,752. ANTHC and the City of Savoonga will execute a Cooperative Project Agreement (CPA) to define each entity's role in the project scope. The CPA must be accepted by AEA prior to the release of construction funds.

The final reimbursement of grant funds will not be disbursed without an O&M reporting plan by the AEA Project Manager. AEA may retain up to 10% of the contributed grant funds until the grantee has submitted an acceptable O&M reporting plan.

Project Status: This system is operational and the grant is in the close-out process.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$425,701.00	\$425,637.40
Other State Funding	\$0.00	\$0.00
Total State	\$425,701.00	\$425,637.40
Required Local Match	\$11,752.00	\$10,452.57
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$437,453.00	\$436,089.97