

Brevig Mission Water System Heat Recovery

Grantees City of Brevig Mission (Local Government)
Technology Type HEAT RECOVERY
Region Bering Straits
AEDG Project Code 10443

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
7	1040	Brevig Mission Water System Heat Recovery	7071040	403070	Construction	7/1/14	10/31/17	Active

Grant 7071040: Brevig Mission Water System Heat Recovery

Project Scope: The City of Brevig Mission will use the \$731,400 Round 7 Renewable Energy Fund grant and \$21,941 of in-kind match to design and construct a heat recovery system between the Alaska Village Electric Cooperative (AVEC) electrical power plant and two end-user community buildings: 1) Water Treatment Plant, 2) Washeteria. The new system will capture jacket water heat generated by the AVEC plant that is currently wasted to the atmosphere by power plant radiators. Marine manifolds will be installed on the 2 existing Detroit Diesel generators to increase the amount of heat available for recovery. The recovered heat will be transferred by insulated glycol piping to the end-users and tie into the end-users' heating systems using heat exchangers, control mechanisms, and any required upgrades to the existing building hydronic systems.

Project Status: CRW has been hired by ANTHC and is completing the design.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$731,400.00	\$2,465.34
Other State Funding	\$0.00	\$0.00
Total State	\$731,400.00	\$2,465.34
Required Local Match	\$21,941.00	\$5,825.74
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$753,341.00	\$8,291.08