

Unalaska Heat Recovery

Grantees City of Unalaska (Local Government)
Technology Type HEAT RECOVERY
Region Aleutians
AEDG Project Code 10171

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
2	271	Unalaska Heat Recovery Construction	2195449	403032	Construction	7/1/09	6/30/15	Active

Grant 2195449: Unalaska Heat Recovery Construction

Project Scope: The City of Unalaska will use the grant funds for the purchase and installation of equipment to utilize the excess heat from existing generators at the Dutch Harbor powerhouse. The excess heat will be used by a 200 kW Organic Rankine Cycle (ORC) generator designed to convert waste heat to electrical energy. The waste heat recovery system will be designed for expansion to include excess heat from increased power demands when a new powerhouse is constructed.

Project Status: This system is in operation and reporting performance metrics on a monthly basis. The project will be closed pending a final inspection.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$1,300,000.00	\$1,300,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$1,300,000.00	\$1,300,000.00
Required Local Match	\$619,807.00	\$619,807.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$1,919,807.00	\$1,919,807.00