

## St. Mary's Heat Recovery System

<b>Grantees</b>	City of St. Mary's (Local Government)
<b>Technology Type</b>	HEAT RECOVERY
<b>Region</b>	Lower Yukon-Kuskokwim
<b>AEDG Project Code</b>	10445

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
7	1043	St. Mary's Heat Recovery System	7071043	403073		7/1/14	12/31/16	Active

### Grant 7071043: St. Mary's Heat Recovery System

**Project Scope:** This grant is for design and construction of heat recovery project to capture the recovered heat from the existing AVEC electrical power plant and deliver it to the city shop; water circulation loops; Cold Storage/Hotel; and City Office Building. The project is expected to reduce the fuel oil usage by 15,700 gallons per year, nearly offsetting the total fuel oil usage. The recovered heat fluid is pumped through arctic pipe to the end user and is tied into the end-user heating system using a plate heat exchanger. The waste heat infrastructure will include waste heat transmission lines and upgrades necessary in the power house and each facility served.

**Project Status:** CRW has completed the 65% design.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$735,200.00	\$0.00
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$735,200.00</b>	<b>\$0.00</b>
Required Local Match	\$22,057.00	\$454.57
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$757,257.00</b>	<b>\$454.57</b>