

## Sitka Renewable Energy Feasibility for Centennial Hall & Library

<b>Grantees</b>	City and Borough of Sitka (Local Government)
<b>Technology Type</b>	HEAT PUMPS
<b>Region</b>	Southeast
<b>AEDG Project Code</b>	10333

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	707	Sitka Renewable Energy Feasibility for Centennial Hall & Library	7040071	406016	Feasibility	7/1/11	6/30/12	Closed
7	1011	Sitka Centennial Hall Air Source Heat Pump	7071011	406016	Construction	7/1/14	1/31/17	Active

### Grant 7040071: Sitka Renewable Energy Feasibility for Centennial Hall & Library

**Project Scope:** The City & Borough of Sitka will use a Round 4 RE Fund grant to evaluate the technical and financial feasibility of the integration and optimization of heat pump technologies to offset heating oil and grid electricity at Centennial Hall and the Kettleson Memorial Library on the waterfront of downtown Sitka.

**Project Status:** The feasibility study was completed in July 2012 and the grant is closed. The feasibility study provided information to the City of Sitka, who chose to construction the Kettleson Memorial Library air source heat pump with their own funding as part of a larger renovation and expansion project. The construction project is underway and the heat pump has been installed. The City re-applied for REF funding to construct the Centennial Hall air source heat pump.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$30,000.00	\$30,000.00
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$30,000.00</b>	<b>\$30,000.00</b>
Required Local Match	\$4,626.81	\$4,626.81
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$34,626.81</b>	<b>\$34,626.81</b>

### Grant 7071011: Sitka Centennial Hall Air Source Heat Pump

**Project Scope:** This grant consists of \$232,620 from Round 7 of the Renewable Energy Fund for design, permitting, and construction of an air source heat pump system that will provide space heat to Harrigan Centennial Hall in Sitka. The heat pump system will be installed in conjunction with major renovations to the building. The City and Borough of Sitka (CBS) will complete final design, permitting, construction and startup of the air-to-water heat pump system along with any necessary controls or equipment needed to integrate the heat pumps into buildings heating system. The heat pump units will be housed in a louvered enclosure; a variable refrigerant flow system will pipe refrigerant to indoor fan coils to provide both heating and cooling to the building. A final design package including narrative, construction specifications, drawings, engineers cost estimates, updated economic analysis, and operational plan must be complete and accepted by the Authority prior to release of construction funds.

**Project Status:** Construction activities are underway. The air source heat pump is part of a larger retrofit for the building which includes major energy efficiency improvements, a new roof, new windows, and more. As of January 2016 the interior walls are partially framed and the installation of the electrical, mechanical, plumbing, and building control infrastructure is in progress. The project construction is ahead of the original schedule by approximately two months. Windows and exterior doors are onsite and installation is planned to begin January 2016 along with the exterior siding and the covered walkways that surround the new Museum Area.

<b>As of Nov. 30, 2013</b>	<b>Budget</b>	<b>Expenditures</b>
Renewable Energy Funding	\$232,600.00	\$4,636.26
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$232,600.00</b>	<b>\$4,636.26</b>
Required Local Match	\$0.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$232,600.00</b>	<b>\$4,636.26</b>