

Yakutat Biomass

Grantees	City and Borough of Yakutat (Local Government), Yakutat Power (Utility-Government)
Technology Type	BIOMASS
Region	Southeast
AEDG Project Code	10062

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	60	Yakutat Biomass Feasibility	2195424	402035	Feasibility	8/20/08	6/30/13	Closed
7	1053	Yakutat Biomass District Heating Loop	7071053	402035	Construction	7/1/14		Active

Grant 2195424: Yakutat Biomass Feasibility

Project Scope: The grant funding under the phase of the project will provide for final design, permitting, equipment evaluation and resource evaluation of the forest project fuel source for its eventual replacement of diesel fuel.

The final design will include mechanical and electrical integration of the forest project system into the community of Yakutats electric generation infrastructure, as well as design of the fuel storage and handling system. The community of Yakutat has received initial funding from a separate funding source to relocate and upgrade its existing power generation system. The forest product design will be coordinated with the ongoing power plant upgrade design.

Permitting will include NEPA project level environment review of the proposed forest product fuel system and harvesting the resource. The City and Borough of Yakutat will work closely with stakeholders and the USFS to identify and mitigate potential impacts to the environment associated with harvesting the biomass resource.

In conjunction with the project level environmental review, the City and Borough of Yakutat through Yakutat Power will work with the borough planners, USFS, Yakutat Tlingit Tribe, Yak-Tat Kwaan Inc., and local stakeholders to define and refine the fuel resource available for this project: including identifying realistic costs associated with harvesting, transporting, processing, storing, and handling the biomass product.

Project Status: The project is complete and the grant is closed.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$249,600.00	\$249,600.00
Other State Funding	\$0.00	\$0.00
Total State	\$249,600.00	\$249,600.00
Required Local Match	\$6,621.76	\$6,621.76
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$256,221.76	\$256,221.76

Grant 7071053: Yakutat Biomass District Heating Loop

Project Scope: Primary heat sources in three municipal publicly accessible buildings will be replaced with two Garn WHS2000 boilers, which will use locally sourced cordwood biomass to provide heat through a supply loop linking all buildings. Existing antiquated hydronic heating systems in each building will be replaced and upgraded to improve efficiency.

Project Status: The grant agreement has not been put in place. The building with the largest heating load has elected to utilize a propane heating system and is no longer interested in participating in this project.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$103,000.00	\$0.00
Other State Funding	\$0.00	\$0.00
Total State	\$103,000.00	\$0.00
Required Local Match	\$0.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$103,000.00	\$0.00