

Chistochina Central Wood Heating

Grantees	Cheesh'na Tribal Council (Government Entity - Tribal Council)
Technology Type	BIOMASS
Region	Copper River/Chugach
AEDG Project Code	10018

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	15	Chistochina Central Wood Heating Construction	2195380	402028	Construction	8/20/08	12/31/14	Active

Grant 2195380: Chistochina Central Wood Heating Construction

Project Scope: This is a proposed biomass project that will use wood pellets as a fuel. The system will be designed to displace 90% of the oil previously used in the facilities. The application is for Resource Assessment/Feasibility Analysis /Conceptual Design; Final Design and Permitting; and Construction. The following will be accomplished:

- 1) A wood pellet-fired district hydronic heating system will be integrated with existing heating systems in 5 village buildings including Washeteria, Library, Community Hall, Tribal Office, and Clinic/Multiuse Facility.
- 2) A wood pellet-fired boiler will be designed and constructed in an insulated 8'x20' ocean container for the four duplex housing units and the water distribution loop nearby. This will contain boiler, hydronic pumps, and related piping.
- 3) The pellet-fired boiler will be connected to the building hydronic system and located in an 8'x10' enclosure of the new office building. All other buildings will have pellet stoves or furnaces retrofitted into building. Oil-fired appliances will stay as ready backups. A central silo or hopper will serve as storage for bulk pellets for all heating units. This will be filled in by commercially made pellets from the existing Dry Creek pellet mill or the new mill that will be constructed this summer in Fairbanks.

Project Status: This project is in the construction phase, but is short of funds to complete the boiler installation. The community is seeking additional funding.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$500,000.00	\$490,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$500,000.00	\$490,000.00
Required Local Match	\$12,000.00	\$61,107.97
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$512,000.00	\$551,107.97