

Background

The objective of Sensible Heating for Alaskans is to create a company that can reuse burnable waste items such as wood waste and cardboard by pressing the processed components into briquettes that can then be sold as an efficient, clean burning heating fuel. The benefits to the local economy will be a cheaper, cleaner heating source and the elimination of the need to ship the waste off island as well as the creation of new employment.

Sponsoring Entity: Petersburg Indian Association

Project Summary:

Description of the facility: A large tent
Technology employed: Biomass Briquette Press
from Lobo
Website:
http://www.lobomachine.com/products_detail.asp?id=565
Use of energy created: Heat
Facilities for which energy is being generated:
Public and city buildings
Amount of wood biomass used in project: 200 tons per year
Amount of non-renewable fuel substitution: 20,000 gallons heat fuel per year
Source of wood biomass: Tree thinning, waste wood, pallets, yard waste, waste cardboard
Source of capital: Alaska Marketplace Competition
Website: <http://www.alaskamarketplace.org/>
Capital cost: \$30,000
Operating cost: \$45,000 per year



Outcomes and Lessons Learned: The wood must be dried well. A heat exchanger is used to air dry from the floor.

Timelines: Full production to begin summer 2008

Future outlook: Expand into other small communities