

**State and Private Forestry
FY 2010 Western Competitive
Resource Allocation
Single-State Project Proposal**

Filename	
2010_Galena.doc	
Administration Information	
Dollar Amount Requested:	\$300,000
Matching Share:	\$392,779

1	Applicant Information	
	State Forestry Agency:	Alaska Division of Forestry
	Contact Person:	Jeff Graham
	Address:	101 Airport Road
	City/State/Zip Code:	Palmer, AK 99645
	Phone (Work/Cell):	907-761-6309
	Email:	Jeff.Graham@Alaska.gov
	Fax:	907-761-6201

2	Project Information			
	Descriptive Title of Project:	Galena wood energy planning and development		
	Names of Partnering Agencies / Organizations:	Alaska Energy Authority, Gana-A' Yoo Corporation, Bureau of Land Management-Alaska Fire Service, US Fish and Wildlife Service, US Forest Service-Forest Health protection, Alaska Division of Forestry		
	State(s):	AK	Congressional Districts:	At-large
	Counties:	Yukon-Koyukuk	Forest Service Regions:	10

3	Total Leverage							
	Please specify each 3 rd party contributor (partnering organizations and agencies, including other Federal) and the dollar value of each contribution. Please DO NOT show grant requested funds in this table.							
	Contributors: (Please specify by name)	Alaska Energy Authority	Gana-A' Yoo Corporation	BLM	Fish & Wildlife Service	Alaska Division of Forestry		TOTAL
Value of Contributions:	\$382,779	\$20,000	\$10,000	\$10,000	\$10,000	\$0	\$432,779	

Project Budget					
	Grant Share (\$ requested)	Applicant Cash ¹	Non-Federal Contributors In-Kind ²	TOTAL	
4	Personnel / Labor:	\$50,000	\$0	\$10,000	\$60,000
	Fringe Benefits:	\$0	\$0	\$0	\$ 0
	Travel:	\$10,000	\$0	\$0	\$10,000
	Equipment:	\$5,000	\$0	\$0	\$5,000
	Supplies:	\$2000	\$0	\$0	\$2,000
	Contractual:	\$225,000	\$0	\$0	\$225,000
	Construction:	\$0	\$382,779	\$0	\$382,779
	Other:	\$0	\$0	\$0	\$ 0
	Indirect Costs:	\$8,000	\$0	\$0	\$8,000
	TOTAL:	\$300,000	\$382,779	\$10,000	\$692,779

Project Duration	
5	What is the duration of this project? <input type="checkbox"/> One Year <input checked="" type="checkbox"/> Two Years <input type="checkbox"/> Three Years

National Relevance	
6	Conserve Working Forest Landscapes <input checked="" type="checkbox"/> Protect Forests From Harm <input checked="" type="checkbox"/> Enhance Public Benefits From Trees and Forests <input checked="" type="checkbox"/>

Project Description	
<p>Maximum 5500 Characters Including Spaces – Clearly summarize the proposed project, including goals, objectives, measurable outputs, outcomes, and how grant funds will be used towards successful completion of the project.</p>	
7	<p>This project will accomplish forest management planning for wood energy, forest health assessments, and wildfire protection analysis and enhancements for Alaska Native lands around Galena.</p> <p>Gana –A’ Yoo Corporation is a Native American entity in the home-land of the Louden Tribe of Galena. Pursuant to the Alaska Native Claims Settlement Act, Gana-A’ Yoo corporation received ownership for 411,499 acres (which are NOT federal trust lands under the BIA). Gana-A’ Yoo Corporation has intent to develop forest management plans for their land, which includes approximately 63,000 acres of forested land around the village of Galena. The major element of the plan will be biomass harvesting to feed a wood heating system for the Yukon-Koyukok assisted living center for the elderly. Wood will replace fossil fuel heating. Galena is 220 miles from nearest connecting road and has among the nation's costliest fuel (~\$7/gal for heating fuel with average annual heating cost of \$5,000/ household). The Alaska legislature has appropriated substantial funding for the wood heating system, but forest management planning needs remain.</p>

¹ ‘Cash’ is the value of any qualifying match the applicant pays for such as cash, staff time, supplies, or equipment.

² ‘In-Kind’ is the value of any qualifying match contributed by a non-federal 3rd party contributor such as donated time, supplies, or equipment.

	<p>Current forest planning tools include a 1990 forest inventory for land confined to ½ mile either side of the Yukon River. 1:60,000 aerial photography, low resolution 50-m Landsat imagery, and annual aerial forest insects and disease surveys. A limited amount of high resolution imagery has been developed by adjacent federal agencies, but most of Gana-A' Yoo Corporation lands are not covered.</p> <p>This project will bring together existing high resolution imagery, then purchase, rectify, and geo-reference additional high resolution imagery needed to provide complete coverage. Forest stands suitable for biomass production will then be identified with emphasis on broadleaf species capable of coppice regeneration. Estimates of standing biomass and sustainable harvest levels will be refined, and a harvest schedule will be developed. A transportation plan will be developed that includes both water craft and ice roads. An assessment of seasonal trends in ice road conditions will be conducted using techniques used in northern Canada. Harvesting and transportation equipment suitable for sub-arctic operations will be identified. A Forest Stewardship plan will be prepared with harvesting and transportation details included as an appendix.</p> <p>Additional accomplishments will be forest health conditions assessments and wildfire protection level analysis.</p>
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	Leverage
	<p>Maximum 1250 Characters Including Spaces</p> <p>The principle matching contributor to this grant is the Alaska Energy Authority. Additional funding sources will be from Gana-A' Yoo Corporation for forest planning, BLM-Alaska Fire Service for wildfire protection level analysis, and US Fish and Wildlife Service for community fuels reduction. Alaska Energy Authority funds are aimed at wood energy utilization. This State and Private Forestry grant is essential to forest management planning needed for a wood energy system to function.</p>
10	

	Meaningful Scale
	<p>Maximum 1250 Characters Including Spaces</p> <p>This integrated Forest Stewardship, forest health, and wildfire protection project will consider the full ownership for Gana-A' Yoo Corporation. However, greater focus will be on the 30,000 acres of forest land most accessible to the community of Galena, within approximately a 5 mile radius. The core 5-mile radius area will be subject to high resolution imagery, transportation planning, forest health inspection, and wildfire protection level review.</p>
11	

	Sphere of Influence
	<p>Maximum 1250 Characters Including Spaces</p> <p>Interior Alaska has more than 10 million acres of private forest land in Alaska Native Corporation ownership. Several predominately Native -American communities in interior Alaska are seeking an integrated forest management and wood energy system. As many as 20 Alaska Native Corporations could support wood energy for nearby communities. This project will serve as a model throughout the region. Additionally, all newly acquired imagery will be open licensed and available to all users. Finally, a report covering the project will be available to other communities with similar needs.</p>
12	

Sustainability of Outcomes

Maximum 1250 Characters Including Spaces

13

The cost of fossil fuels in rural Alaska is not expected to decline and demand for wood energy is expected to increase. Once a forest management and wood energy system is established, a clear incentive to maintain the components is present. Although all contributors will have a stake in updating elements of the system, Gana-A' Yoo Corporation will be the principle entity maintaining and updating the Forest Stewardship plan.