2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Pete Anderson	Nevada Div. of Forestry		NV-002	4	$250,000	$79,500	2 years	
Regional Representative: Scott Bell			**Grant Officer**: Patricia Brumm					

App # 11

Program Title: Western Nevada Biomass Transportation Project

Description:.
The project consists of the purchase, construction, implementation and demonstration of biomass collection infrastructure equipment to help support biomass utilization Projects in the Lake Tahoe Basin and Carson Range area of western Nevada. Biomass transportation equipment will be used to collect and transport biomass produced from Forest management activities on USFS, FLM, State, Tribal and private lands to be delivered to the Northern Nevada Correctional Center's (NNCC) Biomass Fueled, 1 Megawatt Combined Heat and Power Plant in Carson City, NV.

Collaborative Partners: United States Forest Service (Humboldt-Toiyabe National Forest and Lake Tahoe Basin Management Unit), Nevada Department of Corrections, Nevada Tahoe Resource Team, Nevada Division of State Parks, Nevada Fire Safe Council, and Bureau of Land Management.

Project Objectives:
Objective: Acquire equipment necessary to capture, collect and transport biomass being locally produced by public land management agencies and private landowners. The Nevada Division of Forestry will own and coordinate the delivery and pick up of roll off bins with local ongoing producers of biomass to be transported to the NNCC.

Objective: Document the tons of woody biomass removed from National Forest System, state and private lands with this equipment and the cost per ton delivered to the NNCC compared to pile burning.

NFS Impact:

Green tons removed and utilized:
Number of additional acres treated:

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Rolf L. Anderson	Bear Mountain Forest Products		California 19th	5	$250,000	$698,256	1 year	2,000-2,800
Regional Representative: Bruce Goines			**Grant Officer**: Susan LeVan-Green					

App # 57

Program Title: New Market for Low-Value Biomass in the Stanislaus NF Through Wood Briquette Production

Description:. Bear Mountain Forest Products (BMFP) will partner with Sierra Resource Management, Inc. the US Forest Service, and community partners to process 60,000 tons/year of low value, woody biomass in a wood briquette production facility to be built in Sonora, CA. The facility will utilize thinnings and slash from 2,000-2,800 acres of national forest lands in 2008, and is designed to process thinnings from over 2,000 acres per year, indefinitely. The facility will create a market for biomass sufficient to lower the cost per acre of treatment to $600-$750/acre from $1000/acre. The total funding request is $250,000 to be matched by us with $698,256.

Collaborative Partners: Sierra Resource Management, Inc., USDA Forest Service

Project Objectives:

1. Add value to currently low-value in-forest woody biomass generated during forest stewardship contracts and existing timber sales in the Stanislaus National Forest sufficient to lower the per acre treatment costs from $1000 to $750-$600
2. Measurably decrease the fire risk on at least 2,000 acres of the Stanislaus National Forest in 2008, moving landscapes in the Fire Regime Condition Class from III to II, and from II to I, on the acres treated
3. Create marketable climate-neutral energy products from low-value biomass in quantities sufficient to offset the use of electricity, propane and diesel as heating fuels in thousands of homes and businesses in Northern California
4. Create stable employment in the community neighboring the Stanislaus National Forest (Sonora, CA)
5. Create a diversified market for biomass from the Stanislaus that is not coupled to traditional markets for timber products such as building products, and the market cycles associated with them

NFS Impact:

Green tons removed and utilized: 60,000 Tons/Year
Number of additional acres treated: 500-800 Acres/Year

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone:	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Bill Baldwin	Winner's Circle Soil Products		AZ-1	3	$250,000	$156,622.40	3 Years	13050
Regional Representative: Jerry Payne			**Grant Officer**: Susan LeVan-Green					

App # 65

Program Title: Winner's Circle Soil Products Wood Shavings Packaging Project

Description: Purchase and install an automated wood shavings baler to quadruple production capacity.

Collaborative Partners: Family owned business, but White Mountain Stewardship Contract is primary source of raw material.

Project Objectives:

1. Double sales of shavings product in one year and increase thereafter, thru maximized shavings production, and capacity of shavings baler.
2. Reduce production costs; allowing for higher price to be paid for raw material.
3. Become more efficient, thereby sustainable for long term success.
4. Add value to small diameter woody biomass.
5. Solidify long term raw material sources.
6. Gain Market Share

NFS Impact:

Green tons removed and utilized: 22,500
Number of additional acres treated: 1,050 *

NFS Impact: $24 for 4,200 acres year 1; by $40 for 4,350 acres year 2; and by $55 for 4,500 acres year 3.
***** If all money paid was bringing per acre cost to zero for FS, but reduced cost input is as above.

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Michael Benjamin	Northridge Forest Products		NM-003	3	$250,000	$369,190	3 years	1200
Regional Representative: Jerry Payne			**Grant Officer**: Susan LeVan-Green					

App # 77

Program Title: Northridge Forest Products, Woody Biomass Utilization, Santa Fe National Forest

Description:. Northridge Forest Products will conduct thinning and harvesting of woody biomass on the Gallinas Watershed, located within the Santa Fe National Forest. Operations will be conducted utilizing mechanical harvesting and skidding equipment purchased with woody biomass funding.

Collaborative Partners: Sole proprietor, but closely allied with the Northern New Mexico Wood Cluster, and the NM Forest Industry Association

Project Objectives:

Goal 1. Increase the number of treated acres, by lowering the per acre treatment costs.
Goal 2. Reduce per acre treatment costs for the US Forest Service.
Goal 3. Reduced fire prevention and suppression costs for the US Forest Service

NFS Impact:

Green tons removed and utilized: 24,000
Number of additional acres treated: 1200

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email lynnj@hayfork.net	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Lynn Jungwirth	Watershed Research & Training Ctr		CA-02	5	$245,000	$75,892	1 year	500-1,000
Regional Representative: Bruce Goines			**Grant Officer**: Patricia Brumm					

App # 38

Program Title: Establishing Mechanical Harvesting Capacity for Restoration, Trinity National Forest, CA

Description: The Watershed Research and Training Center requests $245,000 of a $920,000 project to purchase a Timbco 445 EXL feller-buncher and train operators and contractors for mechanical biomass harvest on the Trinity National Forest. Expected reductions in treatment costs to USFS are $390-630/acre on harvesting and fuel reduction. This approximately 50% savings on harvesting costs will facilitate a significant increase in acres treated for restoration, community protection and hazardous fuels reduction.

Collaborative Partners: Shasta-Trinity National Forest, Upstream 21, Hoaglen Logging, Trinity County Resource Conservation District, Trinity Business Incubator

Project Objectives: Reduce costs by $390-630/acre for harvesting woody biomass, Train two feller-buncher operators, Provide training to one contractor in stewardship contracting and biomass harvest, Deliver approximately 6,000-9,000 gts of biomass at to Upstream 21 for utilization and product development in year one (’08), Deliver approximately 22,500 gts of biomass in both years two and three, make feller buncher available for contract falling on all other stewardship and timber contracts on the Trinity National Forest

NFS Impact:

Reduction in cost/acre: $390-630/acre
Green tons removed and utilized: 6,000-9,000 gts in year 1
Number of additional acres treated: undetermined – it will depend upon the number of additional acres that the FS can clear through NEPA planning

2008 Woody Biomass Utilization Grantees

Principal Contact/Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
James E. Kellar/	K&B Timberworks, Inc/		2	3	$250,000	$105,000	21 months	
Regional Representative: Jerry Payne			**Grant Officer**: Susan LeVan-Green					

App # 79

Program Title: K&B Timberworks Woody Biomass Equipment Improvement in Reserve, NM

Description:. Purchase of a Helle Scragg Mill to increase utilization of small-diameter material from forest restoration treatments through an increase in production volume of value-added products such as dimensional lumber, molding stock, shiplap siding and log cabin siding.

Collaborative Partners: USDA Gila National Forest, Catron County Citizens Group, Kellar Logging, Inc.

Project Objectives:

A. Increase the amount of biomass processed from 750 thousand board feet per year to approximately 2.75 million board feet per year. This equates to an approximately 275% increase of treated acres (1500 additional acres, for a total of 2050 acres/year treated);

B. Increase the value of biomass approximately 50% through lowering of milling costs. Lowered costs result from the use of the new mill. An increased production capability which decreases manufacturing costs results in increased funds available to purchase more materials off the NFS, thereby decreasing treatment costs to NFS;

C. Increase markets by 50% for small-diameter material and low-valued trees removed from forest restoration activities through increased processing/production capability of a more diversified portfolio of finished, graded goods (e.g. molding stock and ship lap siding) as well as larger products (timbers and beams);

D. Increase local employment opportunities through employment of at least 5 full time employees at the mill site and at least 3 full-time employees in the forest;

E. Spawn satellite entrepreneurial businesses which turn residues from forest restoration activities into marketable forest products and/or energy products;

F. Time frame for achieving objectives: Eighteen months from date of equipment purchase.

NFS Impact:

Number of additional acres treated: 1500

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Dr. Bobby L. Lanford	Big Sky Shavings		1	1	$250,000	$410,186	1 year	278 ac.
Regional Representative: Dave Atkins			**Grant Officer**: Susan LeVan-Green					

App # 76

Program Title: ADDITIONAL CAPACITY FOR BIOMASS UTILIZATION FACILITY

Description:
Project Coordinator along with his two Partners has created a wood shavings mill using previously under-utilized woody biomass from USDA Forest Service lands in Montana. This proposal would add equipment to this mill that would increase biomass usage by 50% raising the annual production from 8,330 to 12,495 green tons. At 15 green tons per acre of un-used biomass, this increase will treat 278 additional acres per year. Creation of markets is critical to reducing hazardous forest fuels on National Forest lands. A market analysis has shown that demand for wood shavings is growing at an annual rate of 20% and traditional supplies of shavings are decreasing.

Collaborative Partners: Ronald B. Paige and Edward H. James

Project Objectives:
The overall goal is to expand the capacity of the existing wood shavings mill by adding another wood shaver and bagger and provide a market for another wood utilization facility by installing a pallet assembly operation. Specifically, the project will:

1. Increase shaver mill output from approximately **1,000 bales of shavings per shift (517,391 bales annually) to 1,500 bales per shift (776,087 bales annually)** or in terms of wood input from **17 green tons per shift (8,330 green tons annually) to 25.5 green tons per shift (12, 495 green tons annually).**
2. Create a new product for sale – bark. Expected volume produced is 1% of purchased wood or **1,250 tons annually**.
3. Rebuild or build **19,402 pallets annually**.
4. Establish an informational BSS website.
5. Secure new markets for the additional **258,696 bales of shavings per year**.

NFS Impact:

Green tons removed and utilized: additional 4,165 green tons annually

Number of additional acres treated: additional 278 acres annually

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Jack Lenox	Coquille Tribe of Oregon		OR-004	6	250,000	147,668	3 years	
Regional Representative: Ron Saranich			**Grant Officer**: Susan LeVan-Green					

App # 86

Program Title: Use of Roll On/Off Container System to Capture Biomass and Reduce Forest Treatment Costs on the Rogue River-Siskiyou National Forest.

Description:. Purchase 11 roll-off containers and a truck outfitted with the necessary hook-lift system. The 11 containers will be used to provide a continuous supply of empty containers to multiple harvesting and fuels treatment sites.

Collaborative Partners: Rogue River-Siskiyou National Forest

Project Objectives: Successfully implement the roll-off container technology to capture forest residue generated on the forest for at least three years. Reduce FS treatment costs by $150-$500/acre (depending on forest density) by reducing the amount of forest residue that requires piling and burning. Reduce timber operator costs and generate higher timber sale bids by eliminating the need for timber purchasers to pay brush disposal fees. Contribute to the improvement of present and future ecological conditions with the Forest by enabling the FS to shift resources away from slash disposal and towards additional treatment activities. Improve air quality and reduce greenhouse gas emissions by substantially reducing the amount of forest residue that requires piling and burning. Support rural employment and economic development through successful implementation of the project. Provide additional data on the roll-off container system, including opportunities, costs, and constraints.

NFS Impact: Estimated that project will provide a combined savings and revenue benefit of $447,000 to $614,000 per year.

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Scott Mendenhall	Marks Ranch and Lumber		1	1	$211,500	$65,590	Install: 1 year then on-going	250 acres per year on-going
Regional Representative: David Atkins			**Grant Officer**: Patricia Brumm					

App # 44
Program Title: Purchase Thin-Kerf Bandsaw To Improve Recovery and Utilization of Sawlogs and Woody Biomass from Public Forest Lands

Description: Proposed funding will facilitate the purchase and installation of a thin-kerf bandsaw for Marks Lumber, a small specialty sawmill located at the crossroads of the Beaverhead-Deerlodge and Helena National Forests. The bandsaw will increase product recovery by 20-30%, ensuring economic viability of the sawmill and will translate into increased funding for Forest Service restoration activities as a result. The economic health and competitive ability of Marks Lumber is essential to the Forest Service because of the mill's location in a region with high priority restoration goals due to extreme drought, widespread insect kill, and expanding wildland urban interface issues.

Collaborative Partners: Beaverhead-Deerlodge National Forest, Helena National Forest, Ottman Forestry Consultants, Empire Building Products
Project Objectives:

Goal A: Strengthen and sustain the Marks Lumber sawmill operation with purchase of thin-kerf bandsaw.

Objective: Use bandsaw to increase product recovery by 20-30%.

Objective: Use lumber production increase, to enhance bidding advantage for Forest Service projects, the majority of which will be small-diameter (6-10 inch DBH) material.

Objective: Decrease production of low value sawdust by-product by 20-30% annually.

Goal B: Increase total volume of lumber produced by Marks Lumber by 20-30%.

Objective: Increase total volume produced from 1.4 mmbf to 1.7 mmbf.

Goal C: Increase the amount of sawlogs purchased from USFS land by 150% to 150,000 bf/year.

Objective: Increase bid levels on logs purchased off of National Forestland land.

Objective: Logging partner will increase bid levels on National Forestland timber sales by 15-25%.

Objective: Logging partner will bid on most of the USFS timber sale projects that come up in the B-D and Helena Forests.

Goal D: Increase the number of fuel reduction treated acres in the B-D and Helena National Forests by up to 250 acres annually and/or increase important restoration work.

Objective: Reduce fire condition class on 250 acres annually from Fire Condition Class II and III to Condition Class I.

Objective: Address WUI issues on both forests

Objective: Increase B-D and HN Forest's restoration work including noxious weed treatment, road improvement, reduction in sedimentation, and aspen restoration.

NFS Impact:
Green tons removed and utilized: 900 tons per year on-going.
Number of additional acres treated: 250 acres per year on-going

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Jeremy Osler	Osler Logging, Inc.		MT-all	1	250,000	1,324,517	1 year	
Regional Representative: David Atkins			**Grant Officer**: Susan LeVan-Green					

App # 49

Program Title: Haul Truck Acquisition for Woody Biomass Production Project

Description:. Hauling ground biomass material has been identified as a significant business challenge due to remoteness of current markets and for production purposes. Properly configured trucks with trained drivers are needed to increase production and profitability. A proposal for the purchase and implementation of two haul trucks is made.

Collaborative Partners: Montana DNR, Montana Logging Assn, Gallatin National Forest, Smurfit-Stone

Project Objectives: Create a viable woody biomass production business that has the ability to provide hog-fuel to existing markets while utilizing small diameter timber and other woody biomass that is currently available but not economically viable to access. This project increases the capacity for biomass utilization throughout the described region. Another goal of this project is the addition and retention of high wage paying jobs within the forest products industry around Bozeman.

NFS Impact: Grinding creates a viable way of reducing fuel by thinning stands of woody biomass without incurring a cost. It will save $150/acre over broadcast burning, $450/acre over dozer piling and $650/acre over excavator piling.

Program Administrator Phone	Name/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
James Perkins	Perkins Timber Harvesting		1	3	$250,000	$180,700	1 year	2,000/yr
Regional Representative: Jerry Payne			Grant Officer: Susan LeVan-Green					

App #22

Program Title: Increasing Capacity to Harvest Woody Biomass in Northern Arizona National Forests

Description: The purpose of this proposal is to secure specialized logging equipment for a family-owned logging business that has been operating on local national forests for more than 30 years. This grant will enable the acquisition of a harvester/processor and forwarder that will increase the number of acres treated by their small-diameter logging operations, primarily on the Kaibab, Coconino and Prescott National Forests, as well as reduce costs for and minimize impacts on federal lands. The equipment will also be used to remove logging slash from the forest for use by developing renewable energy industries in the region.

Collaborative Partners: Perkins Timber Harvesting; Kaibab, Coconino & Prescott National Forests; Southwest Forest Products; Perkins Sawmill; Cooley Forest Products

Project Objectives: The goal of this project is to increase the capacity and efficiency of Perkins Timber Harvesting and thereby increase the amount and reduce the cost and impacts of harvesting commercial timber and woody biomass from USFS lands by securing two additional pieces of specialized logging equipment. Key objectives of the project include:

- Acquire a used (2003-4) Ponsse Ergo Harvester and a used (2000-1) Ponsse Bison Forwarder;
- Hire 2-3 new employees to operate the equipment;
- Increase acres treated through addition of a new side; increase work load and sales with existing clients (SWFP) and potential new clients (AZFRP, bioenergy plants, etc.)
- Reduce impacts to the forest from harvesting by using rubber-tired/low ground pressure cut-to-length and forwarding applications where appropriate, instead of whole tree skidding, and reducing road building and closing costs;
- Reduce costs of harvesting through an additional side with increased efficiency; ultimately move toward use of "designation by prescription" harvesting to further reduce costs to the USFS;
- Create the capacity to collect and transport dispersed forest logging slash to centralized log decks for further processing and removal, thereby reducing pile burning activities;
- Accelerate the necessary thinning treatments, thereby offering greater protection from catastrophic wildfire for ecosystems and local communities; and
- Evaluate changes in capacity, efficiency and cost, and compare with other local operations and those in the White Mountains Stewardship Contract (WMSC) project

NFS Impact:

TANGIBLE BENEFITS	INTANGIBLE BENEFITS
Reduce the number of fuel reduction treatment projects where the FS pays $200 to $500+ per acre under land service contracts	Greater levels of protection for communities and ecosystems through accelerated treatments
Increase the number of fuel reduction treatment projects where FS will receive	Reduced environmental impacts from logging operations with rubber tire/low ground pressure equipment, especially on rocky sites and areas of steeper slopes
Increasing the acres treated (8 per day more) and volume (150 tons per day) of material that can be removed	Greatly reduced air quality impacts from smoke associated with pile burning that doesn't occur

Where slash is removed, greatly reduce, and potentially eliminate at some locations, pile burning at an approximate cost of $50 per acre	Reduced exotic weed invasions within sterilized soil patches that had been created by pile burning
Reduce road building and closing needs by moving wood greater distances with forwarder	Increased biomass available for proposed renewable energy projects (potential carbon off-set credits through controlled combustion and displacement of fossil fuels)

Under a new land service contract, with a savings at the low end of $50/acre and 8 more acres per day on a bid by Perkins with the new equipment, that comes to a savings of $400/day to the FS, which could total up to $80,000 less paid by the FS during a 10-month annual harvesting period.

Under new timber sale contracts that produced 6 loads/day, that could generate up to12,000 ccf annually, of which approximately 8,000 ccf will be >9” with a premium paid.. Increased revenue to the FS could be from $8,000 to $16,000 for the 10-month harvesting period.

Short-term benefits include: increased acres treated and volume removed from the new side; increase in timber sale contracts vs. land service contracts; reduced environmental impacts during logging; and reduction in pile burning and associated costs and air quality impacts.

Several long-term benefits that will accrue (in addition to a continuation all of the short-term benefits during the useful life of the equipment) include: greater levels of protection for communities and ecosystems as treatments are accelerated; reduced exotic weed invasions as sterilized patches of ground are reduced; reduced costs and impacts associated with road building and closure; and increased woody biomass available for renewable energy production.

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Paul Rumelhart	Kootenai Business Park Ind. Dist.		Mt At Large	1	250,000	182,000	One Year	733
Regional Representative: David Adkins			**Grant Officer**: Susan LeVan-Green					

App # 5

Program Title: Biomass Production Plant

Description:. Purchase truck scales, Morbark Grinder, Chip Bin to effectively treat HFRA Project Kootenai River North

Collaborative Partners: Kootenai River Development Council, Inc, Kootenai Business Park Industrial District, Kootenai Forest Stakeholders Coalition, Luck E-G, Timber Tech, Smurfit Stone and Vaagen Brothers

Project Objectives: Reduce the cost of fuel treatment by $275 per acre through the infrastructure investment, capacity investment for Luck E-G and utilization of hog fuel developed through process. Increase the value of non-saw component by developing the market for such products economically.

NFS Impact:

Green tons removed and utilized: 30,000
Number of additional acres treated: 200

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Dan Sandford	Sandford Logging Inc.		SD-01	2	$250,000	$1,167,404	05-01-08 to 12-31-08	1,395/year
Regional Representative: Susan Ford			**Grant Officer**: Susan LeVan-Green					

App # 34

Program Title: Post and Pole Manufacturing Plant

Description:. Manufacture post and pole material from POL and woody biomass material from Forest Service lands.

Collaborative Partners: n/a

Project Objectives: To create a commercial market for small diameter material as a cost effective means of thinning timber stands, thereby reducing fire and insect risks in the Black Hills National Forest.

NFS Impact:

Green tons removed and utilized: 24,000 tons of POL and biomass per year

Number of additional acres treated: 1,395 acres per year

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
David Schmidt	UpStream 21 Corp		Oregon 3rd	R5	250,000	561,785	1 year	2,000/yr
Regional Representative: Bruce Goines			**Grant Officer**: Susan LeVan-Green					

App # 55

Program Title: Log Merchandizing Facility in Hayfork, CA to Utilize Restoration Biomass from the Shasta-Trinity NF

Description: Upstream 21 proposes to develop an efficient integrated wood utilization facility in Hayfork, CA to use biomass from restoration projects in the Shasta-Trinity NF to: (1) reduce the 1.4 million acres of forests in Fire Regime Condition Class 3 by up to 2,000 acres per year; (2) produce value-added primary, secondary and tertiary forest products on-site, resulting in more restoration biomass coming out of the Shasta-Trinity NF at savings to the USFS of $280 - $495 per acre; and, (3) add multiple jobs to the depressed local economy. This proposed project will utilize 30,000-45,000 tons of biomass from 1,000-2,000 acres of fuels reduction projects on the Trinity NF for a potential annual costs savings of $280,000 - $990,000 to the Forest Service. Federal funding request: $250,000 to purchase an optimized merchandizing system; Upstream 21 will provide $523,790 matching funds (79%).

Collaborative Partners: Shasta-Trinity National Forest, Watershed Research and Training Center, Aldercraft, and Green Mountain Woodworks.

Project Objectives: The overarching objective is to create a sustainable primary wood processing facility capable of profitably utilizing small-diameter forest biomass to produce not only primary wood products, but also provide feedstock for on-site secondary and tertiary manufacturing operations. The underlying objectives are to provide an increased market demand for biomass from forest restoration activities, creation and retention of local forest products jobs, increasing the health and function of local forestlands, and the protection of homes and private property from the high risk of wildfire.

NFS Impact:

Green tons removed and utilized: 30,000-45,000 annually
Number of additional acres treated: 1,000 -2,000 annually

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Carl Spaulding	Renewable Fiber, Inc.		CO-04	2	$250,000	$134,808.40	1 year	1,330
Regional Representative: Susan Ford			**Grant Officer**: Susan L. LeVan-Green					

App # 52

Program Title:

Description: Wood Shaving Plant Upgrade

Collaborative Partners: Brad Stager, Dave Farley, Warren Aikins

Project Objectives: Triple plant capacity, Increase amount of timber utilized to 6,000 cords (8,100 dry tons), reduce emissions from slash pile burning, create the need for 6 1/2 additional full time jobs, & promote National Forest treatment goals.

NFS Impact:

Green tons removed and utilized: 12,000 (Equalivant of 8,100 Dry tons)

Number of additional acres treated: 1,330 over 10 year period

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
John Williams	Quicksilver Contracting		OR-02	6	$250,000	$141,076	1 year	
Regional Representative: Ron Saranich			**Grant Officer**: Susan LeVan-Green					

App # 8

Program Title: PORTABLE CHIP TRAILER TIPPER TO FACILITATE INTERSTATE TRANSPORTATION OF WOODY BIOMASS

Description:. Fund purchase of a portable chip trailer tipper, mobile scales and a scale shack for reloading chip trailers. The largest potential markets are located 150 miles, or more, from project sites in Oregon. Quicksilver has its own trucks and local subcontractors who operate trucks on the gravel and dirt roads. The solution then is to use these trucks to haul biomass to a reload site on a paved road, which interstate long-haul trucking companies can access. The proposed project consists of setting up a chip and hog fuel reload site in the Klamath Falls area. Being portable, the reload operation can be hauled to other sites in Central Oregon and/or northern California. By improving our transportation logistics, Quicksilver estimates it could increase biomass delivered to customers. Quicksilver estimates it could treat an additional 1,250 - 4,060 ac, based on previous completed Forest Service contracts with an average biomass yield between 5-8 BDT/ac. Potential cost savings to the government could be between $125,000 – $609,000/yr because of decreased costs for pile burning and prescribed fire prep. (based on Deschutes NF estimates of $100 – $150/ac savings). .

Collaborative Partners: Central Oregon Partnership for Wildfire Risk Reduction (COPWRR), The Fremont-Winema-Fremont National Forest, the Deschutes National Forest, the BLM Lakeview District and the BLM Prineville District.

Project Objectives: The goals of this project are to augment Quicksilver's existing transportation capability to facilitate interstate transportation of wood chips derived from National Forest timber and timber from other projects to biomass markets, retain and create jobs, develop new subcontracting opportunities, and improve the health and resilience of the forests in our operating area.

NFS Impact: Treat from 1,250 to 4,000 acres per year to provide the biomass needed to supply the markets identified. Potential cost savings to the government because of reduced and preparation necessary for prescribed burning could be between $125,000 - $609,000 per year .

2008 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Karen Wolske/ Albert Wolske	Diamond Ridge Lumber		ID-001	4	168,200	273,670	2 years	500
Regional Representative: Scott Bell			**Grant Officer**: Susan LeVan-Green					

App # 26

Program Title: Woody Biomass Utilization Grants – Forest Restoration Activities on National Forest System Lands

Description:. Application for $168,200 to purchase equipment, security fencing, supplies and electrical installation for Diamond Ridge Lumbers Animal Shaving and Sawmill Expansion Operation.

Collaborative Partners: Pete Johnston, Morris Huffman, Bio-Mass Facilitator; Boise Building Solutions; Bennett Forest Industries; Steve Regan Company; Betz Supply, Inc.; Double M Transport; Bogus Basin Outfitters; Rekco Enterprises

Project Objectives: Expand the existing animal shaving and sawmill operation which will result in an increase in small woody biomass material being removed from the Forest Service lands.

NFS Impact:

Green tons removed and utililzed: 5,000 tons per year
Number of additional acres treated: 500 acres