

## 2007 Woody Biomass Utilization Grantees

Principal Contact/ Phone	Grantee/Email	Address	Congressional District	FS Region	Amount Awarded	Matched Funds	Project Duration	Acres Treated
Art Andrews 541 575-2054	Malheur Lumber Company art.andrews@centurytel.net	PO Box 160 John Day, OR 97845	OR 2nd	R-6	\$250,000	\$930,000	6 months	940 to 1875 per year
<b>Project Manager:</b> Ron Saranich			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Malheur Lumber Co. Small Log Value Added Shaving Facility</p> <p><b>Description:</b> Project consists of the purchase &amp; installation of a whole-log shaver, rotary drum dryer, &amp; log &amp; material handling systems. Production from the shaver will supplement existing bagged wood shavings sales. Approximately 8000 tons of small logs and tops will be needed. Raw material will be sourced primarily from projects on nearby FS lands. FS personnel estimate potential cost savings of \$100-\$140/acre.</p> <p><b>Collaborative Partners:</b> Solagen Inc., Teton Forest Products, Iron Triangle LLC, Grant County Forest Restoration Collaborative Working Group (includes Sierra Club, The Nature Conservancy, Oregon Wild – formerly ONRC, etc), Malheur National Forest.</p> <p><b>Project Objectives:</b> 1) Increase biomass utilization, 2) increase acres treated, 3) decrease cost of treatment, &amp; 4) job retention &amp; creation.</p> <p><b>NFS Impact:</b> 940 to 1,875 acres treated per year with an estimated cost savings to the FS of \$100-\$140/acre.</p>								

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Rufus Phillips/Alex Early 804 381-4000, Ext 121	Intrinergy LLC Alex.Early@Intrinergy.com	10408 Lakeridge Parkway, Suite 900,Ashland, VA 23005	MS 4th	R-8	\$250,000	\$95,000	1 year	Potential for 1100 acres/yr
<b>Project Manager:</b> Rick Morgan			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Application for USDA Woody Biomass Utilization Grant, Submitted by Intrinergy Wiggins, LLC</p> <p><b>Description: Description:</b> Intrinergy Wiggins, LLC is constructing a gasification plant in Wiggins, Mississippi, per a 15-year contract with a paper manufacturer and major employer in Wiggins. This plant will require up to 50,000 tons of woody biomass as fuel per year. To meet this demand, Intrinergy will utilize a combination of public and private land sources for the source of biomass. The public source will be the Desoto National Forest that will be actively treating vegetation on approximately 1,100 acres of land per year, producing approximately 22,000 tons of biomass. Intrinergy intends to actively pursue the Desoto NF as a portion of their source of biomass material.</p> <p><b>Collaborative Partners:</b> National Forests in Mississippi, Desoto National Forest, and Mississippi Coastal Plains RC&amp;D Council.</p> <p><b>Project Objectives:</b> Work with the Desoto National Forest to pilot a program under which a steady, affordable and sizable flow of woody biomass feedstock supply for the Intrinergy Wiggins gasification project can be achieved over time.</p> <p><b>NFS Impact:</b> Intrinergy will provide a source market for woody biomass produced from active vegetation management projects on the Desoto National Forest. The forest projects approximately 1,100 acres of vegetation projects per year.</p>								

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Jim Wilson 541 923-2603	JTS Animal Bedding jim.wilson@jtsanimalbedding.com	2162 SE First St. Redmond, OR 97756	OR 2nd	R-6	\$250,000	\$325,126	2 yrs	1108 per year
<b>Project Manager:</b> Ron Saranich			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b>JTS Animal Bedding Small Pine Utilization Project</p> <p><b>Description:</b> Expands &amp; stabilizes markets for small diameter pine log by-products of thinning &amp; fuel treatments projects in Central OR by launching a green shavings animal bedding production facility. Running a loader, debarker, and shaver for two shifts per day, JTS will be able to utilize small pine material from 1108 acres of treatments per year in WUI and FRCC 2 &amp; 3 stands.</p> <p><b>Collaborative Partners:</b> Central Oregon Intergovernmental Council, Deschutes &amp; Ochoco NF, Scott Logging, Melcher Logging, &amp; Harvester Logging.</p> <p><b>Project Objectives:</b> Expands &amp; stabilizes local markets for small diameter pine material in Central OR, enabling the FS to treat more acres &amp; lower costs per acre for treatment, by launching a pine shavings animal bedding production facility.</p> <p><b>NFS Impact:</b> Purchase 15,626 green tons in the next 12 months from FS treatments. Reduce cost per acre by \$150/acre. Enable 208 to 627 more acres of treatment per year through cost savings by second year of production.</p>								

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Dan Barrone 505 758-1506	Olguin's Sawmill, Inc. sawmill@taosnet.com	PO Box 2220 El Prado, NM 87529	NM 3rd	R-3	\$250,000	\$155,172	1-Year	835 acre/year
<b>Project Manager:</b> Jerry Payne, Southwestern Region			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Olguin's Forests Restoration Activities / Woody Biomass Value Added Expansion</p> <p><b>Description:</b> Olguin will purchase a feller buncher and planer, increasing productivity, leading to Forest Service cost savings. Equipment will be used on the Carson National Forest on approximately 850 acres per year to reduce harvesting costs by 8-15%.</p> <p><b>Collaborative Partners:</b> Carson National Forest, Taos Chamber of Commerce, Wildland Urban Interface group</p> <p><b>Project Objectives:</b> Conduct thinning and harvest on Carson National Forest. Remove approximately 1,000 MBF or approximately 10,000 tons of biomass annually. Reduce treatment costs by approximately \$200 per acre on the Red Mesa Timber Sale. Integrate new processing capacity at existing plant to expand utilization. Remove 5,250 MBF over 5-years. Increase value of biomass from \$350/MBF to \$1,083 by the end of the grant period. Expand the markets for value added small wood products. Create 2 full time jobs in Taos County. Publish and disseminate information about products and forest related issues and opportunities.</p> <p><b>NFS Impact:</b> Reduce costs by 8-15% for treatment of hazardous fuel and forest restoration projects. Treat 5,250 acres in the next five-years. Avoid piling and burning costs of approximately 200/acre on the Red Mesa Timber Sale area.</p>								

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Frank Miller 928-368-4581	High Country Green Waste, LLC millerfl@frontiernet.net	PO Box 545 Lakeside, AZ 85929	AZ 1st	R-3	\$249,400	\$174,157	1-Year	3,100 NFS 3,497 Other
<b>Project Manager:</b> Jerry Payne, Southwestern Region			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Serving Biomass Markets from Fire Hazard Mitigation Activities</p> <p><b>Description:</b> High Country Green Waste seeks funding to increase processing capacity by purchasing a used Bandit 3680 Green Waste Recycler and used CAT 950 Loader. Waste will be ground from the White Mountain Stewardship Contract, from wildland urban interface projects in and around Pinetop/Lakeside and Show Low Arizona. The ground wood will be utilized at the Forest Energy Pellet plant and at the RENERGY 20 Megawatt Generation facility.</p> <p><b>Collaborative Partners:</b> Jim Richmond Monitoring, Apache-Sitgreaves NF, Future Forest, LLC,</p> <p><b>Project Objectives:</b> Reduce hazardous fuels while promoting further participation in fire hazard mitigation activities on the Apache-Sitgreaves National Forest and surrounding intermixed private and public lands by operating a processing facility that is affordable and accessible. Utilize all National Forest and other sources of woody biomass to produce profitable value-added products. Provide green waste disposal and processing site for Northeastern Arizona. Improve processing and marketability of High Country Green Waste biomass products. Reduce “wildcat dumping” of green waste on NFS lands. Reduce green waste going to the local land fill. Publicize the “Serving Biomass Markets from Fire Hazard Mitigation Activities” as a model for other forest-based communities.</p> <p><b>NFS Impact:</b> Utilize waste from 2,500 acres from the White Mountain Stewardship Contract. Reduce the illegal dumping of forest waste on 600 acres of NFS lands surrounding the communities within the Apache-Sitgreaves NF. Utilize waste from 960 acres of utility right-of-way clearing in the local area. Utilize the material from 3,497 acres of private land per year,</p>								

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Mike Sterling 208 722-6837	Parma Post & Pole, Inc. mike@parmapostandpole.com	P.O. Box 899, Parma, ID 83660	ID 1st	R-4	\$245,180	\$189,985	Until 3/09	1,250/yr
<b>Project Manager:</b> Dave Atkins			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Small diameter Doweling Expansion Operation</p> <p><b>Description:</b> Parma Post and Pole wishes to increase its peeling capacity by purchasing a Zedco Doweling Machine. The system consists of the Zedco Doweler, air compressor, dust collection system, live decks and a waste system.</p> <p><b>Collaborative Partners:</b> Iron Triange Logging, LLC, Evergreen Forest Products, Roger Jackson Logging</p> <p><b>Project Objectives:</b></p> <ul style="list-style-type: none"> <li>• Increase production to 18,000 – 20,000 tons of non saw material a year</li> <li>• Remove an additional 5,000 tons on material to be removed from the National Forest annually.</li> <li>• Increase annual sales by 15%</li> <li>• Hire 2-3 additional full time employees</li> </ul> <p><b>NFS Impact:</b></p> <ul style="list-style-type: none"> <li>• Remove an additional 5,000 tons on material to be removed from the National Forest annually</li> <li>• Save the Forests \$150-\$200 per acre by removing additional material thus reducing the cost of disposal.</li> <li>• With this proposal project PP&amp;P projects that the forests will be able to treat an additional 1,250 acres a year</li> </ul>								

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Sandra W. Chlopecki, Superintendent 814-837-9570	Kane Area School District schlopecki@kasd.net	400 West Hemlock Avenue Kane, PA 16735-1696	PA 5 <sup>th</sup>	R-9	\$250,000	\$623,578	1 ½ yrs installation (15-25 yrs impact)	100-150/yr
<b>Project Manager:</b> Stephen Bratkovich			<b>Grant Officer:</b> Sue LeVan					

**Program Title:** Kane Area School District Woody Biomass Utilization Project

**Description:** This project proposes to establish a contractual agreement between the Kane Area School District and the Allegheny NF to assist in the reduction of hazardous fuels. The woody material obtained from the forest will be used to fuel a biomass heating system designed to utilize fuel for heating the high school. The project will serve as a model for replication throughout western Pennsylvania and the southern tier of New York and will enhance existing vocational and academic curricula at the secondary level. Collaborative Partners: Kane Area School District; Kane Area School Board; Allegheny National Forest; State of Pennsylvania (Harvest Energy Grant); Allegheny Hardwoods Utilization Group; Advanced Recycling Equipment Inc.; and the Allegheny Forest Alliance

**Letters of Cooperation and Support:** Northern Research Station – Forest Science Lab (PA); USDA Rural Development; USDA Rural Development Pennsylvania State Office; Commonwealth of Pennsylvania Department of Agriculture; PA Hardwoods Development Council; Rainforest Alliance; The Collins Companies - Kane Hardwoods; Pennsylvania Forest Products Association; 13 different Area School Districts; Coca Cola Bottling Company of Eastern Great Lakes; Fincher Chair Company; Betts Industries; Warren General; The Rouse Estate; Kane Community Hospital; University of Pittsburg-Bradford; Senate of Pennsylvania; House of Representative Commonwealth of Pennsylvania; and the Congress of the United States House of Representatives.

**Project Objectives:**

- Increased the opportunity for hazardous fuels reduction treatment on the Allegheny NF. The objectives are to reduce hazardous fuels on 100 to 150 acres annually that totals 1,500 to 3,750 acres over the next 15 to 25 years.
- Increase regional awareness of the feasibility and use of woody biomass energy heating systems resulting in the installation of similar system in other facilities. The objective is to provide on-site tours of the operating facility.
- Supplement the KASD forestry curricula by offering hands-on applied forest management examples. Annually have students participate in field harvest operations. Annually, incorporate the technical and applied aspects of the biomass energy system into the school curricula.
- Reduce heating costs for the KASD by projected \$60,000 per year beginning with the 2008/2009 school year. The objective is to install a woody biomass energy system by the 2008/2009 heating season.
- Creating jobs for the delivery of wood products to the KASD.

**NFS Impact:**

- Increased the opportunity for hazardous fuels reduction treatment on the Allegheny NF. The objectives are to reduce 100 to 150 acres annually that totals 1,500 to 3,750 acres over the next 15 to 25 years.
- Severe blow-down areas will benefit from treatments such as hazardous fuel reductions.
- The KASD will enter into an initial stewardship contract with the Forest for the procurement of woody biomass needed for the heating system.

**Points of Interest:** United States Congressman John E. Peterson is knowledgeable and has commented on this project. The Chief of the Forest Service has approved using the Allegheny NF as “proof of concept” units for the purpose of trying this new business model. A new business model would encourage the allocation of funds through an approach that integrates different programs and seeks to achieve a broad range of outcomes. The Forest Service must begin to experiment with a new way of conducting business and a new, consistent, and integrated program of work that supports public lands communities and businesses.

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Peter Stark 406 721-8441	Woodland Restoration Inc/North Slope Sustainable Wood LLC pstark@imt.net	PO Box 8846 Missoula, MT 59807	MT 1st	R-1	\$248,950	\$604,950	3 years	6800
<b>Project Manager:</b> Dave Atkins			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Developing National Market for Larch and Fir Flooring from Small Diameter Trees</p> <p><b>Description:</b> Marketing Larch and DF flooring to the high end market, creating a higher value product</p> <p><b>Collaborative Partners:</b> MT Community Development Corp., Tricon Lumber Co. Woodland Restoration Inc.</p> <p><b>Project Objectives:</b> Increase the demand for higher end products, reduce the cost of managing lands with small diameter trees, reduce fire hazard and the cost to do this work</p> <p><b>NFS Impact:</b> 4000 ac over 3 years</p>								



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Mathew Allen 505-287-9469	Mt. Taylor Millwork, Inc. mallen@7cities.net	P.O. Box 2307 Milan, NM 87021	NM 2nd	R-3	\$250,000	\$82,030	3 years	2,550 acre/yr
<b>Project Manager:</b> Jerry Payne			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Phase II: MTM's Woody Biomass Utilization, Forest Restoration and Tamarisk Eradication Project</p> <p><b>Description:</b> Purchase chipper and other equipment to supply biomass to make industrial pellets. Have source from national forests. Plan to also initiate a tamarisk eradication program and will have access to wood from those treatments.</p> <p><b>Collaborative Partners:</b> Mt. Taylor Millwork, Inc.; Mt. Taylor Machine, LLC; Zuni Indian Tribe; Ramah Navajo Tribe; Wood Industries Network; The Forest Guild; Nature Conservancy New Mexico Forest Industries Association; Southwest Sustainable Forests; USFS Mt. Taylor Ranger District/Cibola National Forest; Jim Cook; First Community Bank; Cibola County Chamber of Commerce; Village of Milan; J.C. Fresh Farms; Matthew J. Silva; Xylo Energy.</p> <p><b>Project Objectives:</b> Contributing to forest rehabilitation by increasing raw material flow from thinnings and restoration treatments.</p> <p><b>NFS Impact:</b> In the Mt. Taylor Ranger District, this cost can be lowered by a minimum of \$200 per acre using the Mt. Taylor approach. If so, the Mt. Taylor Ranger District could experience a potential savings of approximately \$4,000,000.</p>								

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David Cox 208 245-2579	St. Maries Joint School Dist dcox@sd41.k12.id.us	PO Box 384 St. Maries, ID 83861	ID 1st	R-1	\$250,000	\$420,352	1 yr	100/yr for 25 yr
<b>Project Manager:</b> Dave Atkins			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> St. Maries School District Heating project</p> <p><b>Description:</b> Convert the fuel oil boiler to a wood chip heating system.</p> <p><b>Collaborative Partners:</b> Idaho State Lands, St. Maries District Ranger USFS, Panhandle Area Council, ID Association of School Administrator, ID School Boards Assoc., Potlatch Corp., Benewah County Comm., Panhandle Lakes RC&amp;D</p> <p><b>Project Objectives:</b> Utilize forest residues for heating the school, Reduce FS management costs, improve air quality by reducing air pollution from open burning; A demonstration to other school districts</p> <p><b>NFS Impact:</b> 100 ac/yr for 25 years</p>								

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Dena Mills 307-467-5789	Bearlodge Forest Products, Inc. lumber@rtconnect.net	PO Box 248 Hulett, WY 82720	WY 1st	R-2	\$250,000	\$62,500	1 year	500 ac/yr
<b>Project Manager:</b> Susan Gray			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Manufacturing Pallet Parts from hazardous fuel reduction and forest restoration activities</p> <p><b>Description:</b> The grant provides funding to purchase equipment to purchase and install a pallet cant processing system to make pallet lumber from material not suitable from sawlogs.</p> <p><b>Collaborative Partners:</b> Black Hills National Forest</p> <p><b>Project Objectives:</b> The purchase of the equipment proposed in this project will increase the removal and utilization of POL from the Black Hills NF. Pallet market is currently dominated by products from Canada</p> <p><b>NFS Impact:</b> This grant investment will result in a reduction of cost of POL disposal by up to \$700/ac for future contracts acquired by Bearlodge Forest Products from the Black Hills NF. After 3 years of operation, they estimate an increase of capacity to accommodate removal of more than 5,000/ac/yr up from 500/ac/yr.</p>								

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Gwen Auman 814-788-8585	Gw_gma@elkregional.org	Elk Regional Health System 763 Johnsonburg Road St. Marys, PA 15857	PA 5 <sup>th</sup>	R-9	\$250,000	\$2,037,954	1 yr installation Boiler: 20 yrs	150-300 acres

**Project Manager:** Stephen Bratkovich

**Grant Officer:** Sue LeVan

**Program Title:** Elk Regional Health System Alternative Fuels Project

**Description:** The Elk Regional Health System (ERHS) is implementing a biomass project for heating and cooling the acute care hospital and the long term care facility. By implementing a 24/7 biomass energy system the ERHS will save approximately \$300,000 per year in energy costs. The project will save the Allegheny National Forest funds that would normally be earmarked to biomass removal. A blow down area (165 acres) will be addressed in year 1 of this project.

**Collaborative Partners:** Allegheny National Forest; Pennsylvania Department of Environmental Protection; Higgins Resources INC; Advanced Recycling Equipment Inc; KTH Architects; and Hallstrom Construction

**Letters of Cooperation and Support:** USDA Rural Development; USDA Rural Development Pennsylvania State Office; Advanced Recycling Equipment; Congress of the United States House of Representatives; United States Senate; House of Representative Commonwealth of Pennsylvania; and Allegheny Forest Alliance.

**Project Objectives:** To assist ANF with vegetation management through utilization of woody biomass; To create a market for underutilized woody biomass from harvesting and TSI projects; To enhance the market for undervalued woody biomass from slash, windthrow, TSI, insect and diseased trees and undesirable species; To provide a positive impact on the health of the ANF by utilizing woody biomass; To maintain the zero net gain of greenhouse gas emissions; To reduce budgetary costs for the ANF in removing biomass products.

To reduce or eliminate the dependency of the Health System on fossil fuels.

- To develop, construct and implement an alternative fuels project that would utilize wood byproducts as a source of fuels.

To assist in the reduction of wood waste being deposited in local landfills; To develop purchasing relationships with local sawmills and logging companies to purchase and utilize their residual waste.

To reduce the cost of energy to the ERHS; To reduce the amount of natural gas used by the ERHS; To maintain and improve upon the present economic climate of ERHS.

- To maintain the present level of employment opportunities; To serve as a model project for Pennsylvania as well as the US Forest Service.
- To lead the way for additional service sector community organizations to become in energy savings projects by using woody biomass.
- To assist the ANF in the implementation of additional stewardship contracts by promoting the benefits of alternative fuel projects.
- To work with the ANF to promote and market the economic and environmental benefits of alternative fuel projects.

**NFS Impact:**

- Increased the opportunity for hazardous fuels reduction treatment on the Allegheny NF. The objectives are to reduce 150 to 300 acres annually that totals 3,000 to 6,000 acres over the next 20 years; Utilizing an average of 60 tons of biomass per week which is about 3,120 tons per year and 62,400 tons for the 20 years.
- Severe blow-down areas will benefit from treatments such as hazardous fuel reductions.
- Higgins Resources will enter into an initial stewardship contract with the Forest for the procurement of woody biomass needed for the heating system.

**Points of Interest:** United States Congressman John E. Peterson is knowledgeable and has commented on this project. The Chief of the Forest Service has approved using the Allegheny NF as “proof of concept” units for the purpose of trying this new business model. A new business model would encourage the allocation of funds through an approach that integrates different programs and seeks to achieve a broad range of outcomes. The Forest Service must begin to experiment with a new way of conducting business and a new, consistent, and integrated program of work that supports public lands communities and businesses.

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Jay McLaughlin 509/364-4110	Mt. Adams Resource Stewards jay-mars@gorge.net	P.O. Box 152 Glenwood, WA 98619	WA 4th	R-6	\$178,746	\$561,000	3.5 years	3000
<b>Project Manager:</b> Ron Saranich			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Mt. Adams Small Wood Utilization Initiative</p> <p><b>Description:</b> Working with a diverse group of partners to develop an integrated biomass processing park to be located in the Glenwood Valley of Southcentral WA. A feasibility study indicated that supply, basic infrastructure &amp; market conditions are favorable for the establishment of value added businesses working with biomass. Narrow profit margins currently impede the investment of significant capital in essential processing equipment. As the biomass incubator for the proposed facility, Mt. Adams Resource Stewards plans to acquire processing equipment (post &amp; pole peeler, firewood processor, etc). that is essential to key businesses in the project, as well as initial management expenses.</p> <p><b>Collaborative Partners:</b> Slawson Wood Products, Isaac Enterprises, Hellroaring, Sustainable Northwest, Klickitat County Economic Development, WA State DNR, Yakama Nation, Trout Lake CWPP Team, Gifford Pinchot Task Force.</p> <p><b>Project Objectives:</b> Provide economic opportunities that will create jobs &amp; enhance the quality of life in forest-based communities while restoring healthy forest conditions. Immediate goals are to create a local market for biomass through the establishment of a small diameter wood processing facility &amp; associated businesses that significantly reduces the cost of fuels reduction treatments.</p> <p><b>NFS Impact:</b> Treat about 3000 acres while reducing FS costs \$280/acre.</p>								

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Ed Martin (602) 278-1009	Southwest Forest Products edm@southwestforestproducts.com	2828 S. 35 <sup>th</sup> Ave. Phoenix, AZ 85009	AZ 1st	R-3	\$250,000	\$1,553,404	3-Year	4,550 acre/year
<b>Project Manager:</b> Jerry Payne, Southwestern Region			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Increased Utilization and Market Development for Western Arizona Biomass</p> <p><b>Description:</b> Purchase and installation of a debarking system at its Ashfork Arizona mill. Current capacity is about 20 million board feet. The debarked wood is more valuable on the cant and lumber market. The edge material can be chipped and used in other markets like pellets. Talk is underway to bring a pellet plant to the Ashfork/Prescott area to supply a large concrete/asphalt plant.</p> <p><b>Collaborative Partners:</b> Forest Energy, Prescott Area Wildland Urban Interface Commission, Southwest Forestry, Inc.,</p> <p><b>Project Objectives:</b> Lowering the hazardous fuel treatment cost on National Forest System lands by up to \$39/acre, five new full time jobs in this economically depressed area, steady supply of approximately 50,000 tons per year of clean chips.</p> <p><b>NFS Impact:</b> Reduced treatment costs of up to \$39/acre, treat 4,550/year resulting in an anticipated savings of about \$175,000/ year to the three neighboring national forests.</p>								

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Kevin Jump 406 752-3640	John Jump Trucking Jumpshop@centurytel.net	687 Scenic Drive Kalispell, MT 59901	MT 1st	R-1	\$249,000	\$1,163,881	1 year	4000
<b>Project Manager:</b> Dave Atkins			<b>Grant Officer:</b> Sue LeVan					
<b>Program Title:</b> Transfer Truck Acquisition								
<b>Description:</b> Buy trucks to transfer slash short distances to a grinder to access more material								
<b>Collaborative Partners:</b> Flathead NF, Kootenai NF, Northwest RC&D, MT DNRC, Flathead Co. Comm., MT Logging Association, Smurfitt-Stone Corp, MT Com Development Corp								
<b>Project Objectives:</b> Access and treat more slash to avoid burning costs, reduce air pollution, save FS cost of disposing slash								
<b>NFS Impact:</b> 800ac.								

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Ralph Barela 505 425-9479	Barela Timber Management Co, Inc. viga@newmexico.com	699 Harlan Drive Las Vegas, NM 87701	NM 3rd	R-3	\$225,000	\$349,120	1 year	300/year

**Project Manager:** Jerry Payne, Southwestern Region      **Grant Officer:** Sue LeVan

**Program Title:** Diversified Woody Biomass Utilization, Gallinas Watershed Project

**Description:** Purchase and utilization of an excavator mounted feller-buncher and whole tree horizontal grinder. This equipment will be used in the municipal watershed for Las Vegas New Mexico. The material will be taken to Barela Sawmill for processing into lumber, posts, poles, vigas, mulch, and colored mulch.

**Collaborative Partners:** Tierra y Montes Soil and Water Conservation District, New Mexico Department of Labor, New Mexico Highlands University, Biophilia Foundation, Las Vegas San Miguel Economic Development Corporation, San Miguel County Wood Cluster Organization, Old Wood Douglas Fir Floors

**Project Objectives:** Reduce catastrophic fire danger in the Gallinas watershed, Increase water yield per acre in the Watershed, Reduce the cost of forest restoration, Treat additional acreage of National Forest Service lands at a reduced costs, Provide jobs in a traditional sector plagued by serious underemployment, Use modern “green” techniques for harvesting, Efficiently harvest and utilize harvested materials, Demonstrate the commercial viability of products derived from small diameter material and supply new markets, Increase forest health and habitat diversity.

**NFS Impact:** Reduce the cost of harvesting up 30% compared to tradition hand felling and skidding. This translates up to \$300/acre reduction in treatment costs.



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Joe Pandy 970-887-3378	Mountain Parks Electric, Inc. jpandy@mpei.com	PO Box 170 Granby, CO 80466-0170	CO 3rd	R-2	\$243,500	\$90,500	1 year	2,000 acre/yr
<b>Project Manager:</b> Susan Gray			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Development of a 3-4 MWe Woody Biomass CHP Facility in Walden, CO</p> <p><b>Description:</b> A unique partnership in rural northern CO has developed a plan for the design and implementation of a community-based, community-scaled woody biomass fueled CHP facility. The project is being developed by Mountain Parks Electric Inc, the REA, Pittington Sawmill, Grand County and Jackson County. The first time an REA has developed a biomass facility to serve its electrical customer. A Community Wildfire Protection Plan has been completed for the area and this facility would support the implementation of the plan.</p> <p><b>Collaborative Partners:</b> Mountain Parks Electric, Jackson County, Grand County, Pittington Sawmill, CSU Cooperative Extension, CO Governor’s Office of Energy Conservation and Management. Brent KenCairn – Community Energy Systems. Pittington sawmill will provide the site for the facility for free for the first 18 months of the project.</p> <p><b>Project Objectives:</b> Funds from this grant will support the design, verification and specification process necessary to provide adequate documentation for public financing. The verification work will evaluate the adequacy of a gasification system vs a steam system for electricity generation supply to customers. There are many sources of low cost financing available for REA’s as well as being able to access sources for Renewable Energy Credits.</p> <p><b>NFS Impact:</b> This grant investment will result in a further outlet for Mountain Pine Beetle killed LPP in Northern CO which is currently just the Pittington Sawmill. An increase in removal from the local forests of 2,000 acres.</p> <p><b>Note:</b> Walden High School was a site for prototype testing of the BioMax 15. This was an important scale model which showed the viability of CHP units in the area.</p>								

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Vic Phillips 208 756-3060	Forest Fuels Solutions frmstore@centurytel.net	PO Box 1111, Salmon, ID 83467	ID 2nd	R-4	\$250,000	\$448,011	Until 12/07	20% add
<b>Project Manager:</b> Scott Bell			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Forest Fuels Solutions – Post and Pole Manufacturing</p> <p><b>Description:</b> Forest Fuels Solutions is requesting grant dollars to purchase equipment for a post and pole manufacturing plant in Salmon, ID.</p> <p><b>Collaborative Partners:</b> Rick Sager, Glen Goddard Construction Foreman, Doug Westfall, R-Y Timber, Gary England, Intermountain Farmers Association</p> <p><b>Project Objectives:</b></p> <ul style="list-style-type: none"> <li>• Reduce treatment costs by \$100-150/ acre</li> <li>• Increase amount of acres mechanically treated by 20% by 2010</li> <li>• Create a profitable roundwood manufacturing entity in Lemhi County, establishing an annual payroll of almost \$148,000 in the first year of operations and \$175,000 .by year 2.</li> </ul> <p><b>NFS Impact:</b></p> <ul style="list-style-type: none"> <li>• Reduce treatment costs by \$100-150/ acre</li> <li>• Increase amount of acres mechanically treated by 20% by 2010</li> </ul>								

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Ryan Temple 503 221-6911	Healthy Forests, Healthy Communities Utilization Program rtemple@sustainablenorthwest.org	620 SW Main Suite, Suite 112 Portland, OR 97205	OR 3rd	R-6	\$249,560	\$146,560	3 years	12,501/yr
<b>Project Manager:</b> Ron Saranich			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> The Healthy Forest, Healthy Communities Collaborative Utilization Program</p> <p><b>Description:</b> Sustainable Northwest’s Healthy Forests, Healthy Communities (HFHC) will provide strategic financial &amp; technical assistance to 4 separate projects treating at-risk forests &amp; processing the small material into value-added products. By packaging funding with assistance in business &amp; product development, tech transfer, marketing, &amp; peer learning, HFHC will successfully improve the economic viability of fuels reduction projects &amp; increase the impacts on regional forests. These projects will document &amp; share their results &amp; knowledge acquired by hosting site visits from professional peers who are also looking for new ways to profitably utilize the by-products of fuel reduction, thereby adding to the capacity for woody biomass across the region.</p> <p><b>Collaborative Partners:</b> Watershed Research &amp; Training Center, Okanogan Communities Development Council, Central Oregon Intergovernmental Partnership, Baker County Landowners’ Association, Central Oregon Intergovernmental Council, Sunergie INC, RVCC</p> <p><b>Project Objectives:</b> Increase small business capacity to utilize the raw material from fuels treatments while increasing the market demand for the products manufactured through these sources, integrate these grantees with other industry infrastructure, ensuring that the impacts are multiplied regionally by sharing the findings, achievements, and lessons learned, and place products manufactured from woody biomass in over 10 strategic market outlets throughout the region.</p> <p><b>NFS Impact:</b> Treat 12,501 acres per year while utilizing 90,000 tons of biomass annually while reducing the cost of fuels reduction projects on 5 National Forests.</p>								

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Joseph Roise 919 515-7783	Dept. Forestry, NCSU. Joe_roise@ncsu.edu	Box 8008 Raleigh, NC 27695	NC 2nd and 6th	R-8	\$247,802	\$85,528	2 years	356 ac.
<b>Project Manager:</b> Rick Morgan			<b>Grant Officer:</b> Sue Le Van					
<p><b>Program Title:</b> Machine System Development for Harvesting Small Diameter Woody Biomass and Reducing Hazardous Fuels</p> <p><b>Description:</b> Develop efficient machinery to swath harvest small diameter woody biomass, specifically the redesign of the FECON mulching head into a harvesting/collection system. Demonstration of the design will occur on the Croatan NF, in eastern North Carolina.</p> <p><b>Collaborative Partners:</b> North Carolina State University, Craven Wood Energy, Croatan NF, FECON Inc.</p> <p><b>Project Objectives:</b> Demonstrate efficient (for profit) harvesting/utilization of Woody Biomass, improve fuel condition class on the Croatan NF, and publish reports on the machinery development.</p> <p><b>NFS Impact:</b> This is a demonstration, so the direct impact will be to the 356-acre demonstration. If successful, the potential for future use of the machinery on more acres is high</p>								

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John Baxter 719-655-2400	Mountain Valley Lumber mvl@fone.net	PO Box 405 Saguache, CO 81149	CO 3rd	R-2	\$179,260	\$468,060	1 year	unknown ac/yr
<b>Project Manager:</b> Susan Gray			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Mountain Valley Woody Biomass Mill Equipment Acquisition and Installation</p> <p><b>Description:</b> The grant provides partial funding to purchase a Round Wood Systems Dowel Mill for utilization of smaller timber producing numerous end products, e.g. posts and poles, furniture parts, etc...</p> <p><b>Collaborative Partners:</b> Rio Grande NF would generate the supply</p> <p><b>Project Objectives:</b> The objectives are to reduce the cost of hazardous fuel reduction projects on the RFNF.</p> <p><b>NFS Impact:</b> They will be able to bid on contracts for material they previously were unable to take and reduce the cost of timber sales to the RGNF</p>								

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Mel Terry 435 577-2949	Piute County Dept. of Econ Dev mterry@piute.state.ut.us	PO Box 99 Junction, UT 84740	UT 2nd	R-4	\$249,800	\$140,046	Until 3/09	
<b>Project Manager:</b> Scott Bell			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Piute County Woody Biomass Utilization Project</p> <p><b>Description:</b> Piute County is seeking financing to develop a processing and manufacturing incubator park. Four new businesses and 14-16 new jobs are projected with this project and future treatment projects on National Forest System lands.</p> <p><b>Collaborative Partners:</b> Six County Association of Government, Panoramaland RC&amp;D, Snow College, City of Circleville, City of Junction, Wayne County, Utah State Workforce services, USU Cooperative Extension</p> <p><b>Project Objectives:</b> Provide incentives, training and financial assistance to establish new small wood businesses</p> <p><b>NFS Impact:</b> Direct Net benefits received by the USFS are approximately \$818 per acre.</p>								

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Bill Baker 605-348-8338	Baker Timber Products sawdust@ll.net	13536 S Hwy 16 Rapid City, SD 57702	SD and WY	R-2	\$250,000	\$62,500	1 year	500 acre/year
<b>Project Manager:</b> Susan Gray			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Black Hills National Forest Biomass to Ethanol – Healthier Forests And Energy Independence</p> <p><b>Description:</b> The grant provides funding to purchase equipment to transport woody biomass from the Black Hills NF to the pilot ethanol plant in Upton, WY. Equipment includes a pick-up truck for fuel support, a walking floor chip van, 2.5 ton shuttle truck, Highway truck with pusher axle, tools for shop trailer, welder, generator, cutting torch, etc...</p> <p><b>Collaborative Partners:</b> North East WY Economic Development Coalition; Black Hills NF Resource Advisory Committee;</p> <p><b>Project Objectives:</b> The purchase of the equipment proposed in this project will facilitate the movement of woody biomass to the pilot ethanol plant in Upton, WY.</p> <p><b>NFS Impact:</b> This grant investment will result in a reduction of cost of POL disposal by 25% for future contracts acquired by Baker Brothers from the Black Hills NF. Also, will support previous USFS investment in pilot project feasibility study and support of supply study in WY.</p>								

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Danny Kuykendall 505 770-3323	Kuykendall and Sons <b>kendalllorie@yahoo.com</b>	PO Box 184 Tres Piedras, New Mexico 87577	NM 3rd	R-3	\$250,000	\$269,444	3-Year	650 acre/year
<b>Project Manager:</b> Jerry Payne, Southwestern Region			<b>Grant Officer:</b> Sue LeVan					
<b>Program Title:</b> Equipment Expansion for Woody Biomass Utilization								
<b>Description:</b> The grant will buy equipment to upgrade the Kuykendall mill including compressors, chip bin, Scragg mill, trimmer, loaders, forklifts, etc.								
<b>Collaborative Partners:</b> Tres Piedres Ranger District, Carson National Forest; Groff Lumber of Albuquerque, MIIMSA-USA, Inc.								
<b>Project Objectives:</b> Reduce the forest treatment costs of the Red Mesa Project Area by increasing the use and value of small diameter timber. Decrease catastrophic fire hazard, reduce susceptibility to bark beetles and improve health and vigor, Increase production capacity of Kuykendall and Sons sawmill to meet demand of small diameter wood products in pre-existing markets. Improve the competitive position of Kuykendall and Sons for future stewardship contracts and timber sales.								
<b>NFS Impact:</b> Reduce treatment costs by \$147/acre on 653 acres per year.								



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Michael Jolovich 970-887-9225	Ranch Creek Limited ranchcreek@rkymtnhi.com	441 Hwy 125; PO Box 1201 Granby, CO 80446	CO 2nd	R-2	\$144,000	\$36,000	5 years	2500/year
<b>Project Manager:</b> Susan Gray			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Ranch Creek low-value timber utilization and management in Grand County, CO</p> <p><b>Description:</b> Ranch Creek was started in 1992 as a pole peeling operation. It has since grown in production to a diverse inventory of posts, decorative stair and deck railing, fencing, and other wood products. It has purchased a great deal of equipment to increase production and utilize low value and beetle-killed wood time from this area. It now needs a log lathe for producing house logs from larger diameter wood and for additional sorting bays for the sorter. Ranch Creek will accomplish this through the use of a portable sawmill, and other wood production equipment either in service, being put into service or being purchased in the summer of 2007. Ranch Creek will generate a very diverse and marketable product line of fence posts, rough cut lumber, house logs, and railing and fencing. This includes slash burning with an air-curtain destructor.</p> <p><b>Collaborative Partners:</b> Universal Forest Products; Letters of support from US Senator Ken Salazar; County Board of Commissioners; Sulphur Ranger District</p> <p><b>Project Objectives:</b> Harvest and process as much beetle-killed wood within the next 10 years. Pro-active involvements with FS and local landowners to put into place a long-term plan for forest maintenance.</p> <p><b>NFS Impact:</b> District Ranger estimates savings of \$250 to \$800 per acre at 2447 acres to be treated per year. Long-term savings is calculated using \$250/acre at a minimum of 2500 acres per year for 5 years.</p>								

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Jimmy Bridge 505-464-4720	Mescalero Forest Products <b>jimmyb@mescaleroftp.com</b>	PO Box 795 Mescalero, NM 88340	NM-2nd	R-3	\$250,00	\$100,940	1-Year	16,000
<b>Project Manager:</b> Jerry Payne, Southwestern Region			<b>Grant Officer:</b> Sue LeVan					
<p><b>Program Title:</b> Mescalero Forest Products Pellet Mill, A Proposal for Better Forest Restoration, Jobs, and Economy</p> <p><b>Description:</b> The grant would buy a turnkey pellet plant that would be placed at the Mescalero Products Mill at Alamogordo NM. The new plant would utilize 13,000 tons of mill residues annually to produce a high quality wood pellet. The pellets would be sold to local markets and an attempt would be made to convert facilities on the local Air Force base to wood heat and cooling.</p> <p><b>Collaborative Partners:</b> Lincoln National Forest, Bureau of Indian Affairs, New Mexico State Forestry</p> <p><b>Project Objectives:</b> Install a pellet mill, reduce the waste and cost of waste disposal, find markets locally and work with the Holloman AFB, and White Sands Missile Range to explore renewable energy options for the facilities.</p> <p><b>NFS Impact:</b> Continuation of the Mescalero Forest Products mill that is an outlet for material removed from the Lincoln National Forest.</p>								