



2010 HB09-1199  
Colorado Forest  
Restoration Pilot Grants

FOR OFFICIAL USE ONLY	
Entity Submitting Project:	Boulder Mountain Fire Protection District
County:	Boulder-BO
Date:	
Dollar Amount Requested:	\$100,000
Matching Share:	\$100,000

Applicant Information	
1	<b>Name of Project:</b> Boulder Mountain Mitigation
	<b>Applicant:</b> Boulder Mountain Fire Protection District
	<b>Contact Person:</b> Steve Lynn
	<b>Address:</b> 1905 Linden Drive
	<b>City/Zip Code:</b> Boulder, CO 80304
	<b>Phone (Work/Cell):</b> (303) 440-0235
	<b>Email:</b> mitigation@bouldermountainfire.org
	<b>Fax:</b> (303) 440-0235

Community at Risk Information	
2	<b>Community Name:</b> Boulder Heights, Pine Brook Hills, & Carriage Hills.
	<b>County:</b> Boulder-BO
	<b>Name of CWPP:</b> BMFPD Wildfire Urban Interface Community Wildfire Protection Plan
	<b>Location to obtain/review:</b> Colorado State Forest Service, Boulder District Office of Forester Allen Owen.

Grant Contributors (Matching Share)								
<i>(Applications will be disqualified if sufficient match is not identified) Please specify each match contributor and the dollar amount of each contribution. Please DO NOT show grant requested funds in this table. This is for matching share only.</i>								
3	Contributors: (Please specify)	Lee Hill Drive	Pine Brook Hills	Deer Trail Road	Brook Road	Carriage Hills Drive	Reed Ranch Road	TOTAL
	<b>Dollars (Hard Match):</b>	\$30,000	\$10,000	\$20,000	\$10,000	\$20,000	\$10,000	\$100,000
	<b>In-Kind (Soft Match):</b>							\$0
	<b>TOTAL:</b>	\$30,000	\$10,000	\$20,000	\$10,000	\$20,000	\$10,000	\$100,000

Total Project Expense (break down matching share totals from block three)				
		Grant Share (\$ Amount Requested)		TOTAL
		Match (from block three)		
		Dollars	In-Kind	
4	<b>Personnel / Labor:</b>	\$100,000	\$100,000	\$200,000
	<b>Operating:</b>			\$0
	<b>Travel:</b>			\$0
	<b>Contractual Services:</b>			\$0
	<b>Equipment:</b>			\$0
	<b>Indirect Costs:</b>			\$0
	<b>TOTAL:</b>	\$100,000	\$100,000	\$0

50/50

Project Summary (check all that apply and answer related questions)	
Addresses protection of water supplies? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Project based on ecological assessment of current conditions? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Project located within important forest landscape? <input checked="" type="checkbox"/> Very High <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low Select theme map(s) referenced: <input checked="" type="checkbox"/> Conserve Working Forest Landscapes <input checked="" type="checkbox"/> Protect Forests from Harm <input checked="" type="checkbox"/> Enhance Public Benefits from Trees and Forests	
Project Objectives (check all that apply)	
Reducing threat of large, high-intensity wildfires and the negative effects of excessive competition between trees by restoring ecosystem functions, structures, and species composition, including the reduction of non-native species.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Preserving old and large trees to the extent consistent with ecological values and science.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Replanting trees in deforested areas, if such areas exist in the project area.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Improving the use of, or adding value to, small-diameter trees.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Number of acres to be treated: 133	Estimated cost/acre: \$1,500
Will the implementation of this project involve a contract with the Colorado Youth Corps Association or another accredited Colorado youth corps?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Communities directly affected by this project:	Pine Brook Hills, Boulder Heights, & Carriage Hills.

\*

5

Reference  
"code"  
DATA

### Project Area Description

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces, and punctuation.**

**Provide a brief overview of the project, project area, and relevance to the Colorado Statewide Forest Resource Strategy. Specify size of project and land ownerships involved (e.g. private, county, state, federal, etc.). Include information on the relevant watershed. Submit a single one-page map of the project area (view instructions on request for proposal). 1,750 characters**

6

Boulder Mountain Fire Protection District (BMFPD) is located in the Colorado Front Range Red Zone. The fire district contains the county's highest concentration of mountain homes in a relatively small area. In 2005, BMFPD became the first community in the Colorado State Forest (Boulder District) to complete a Community Wildfire Protection Plan (CWPP). BMFPD's CWPP gives highest priority to life safety, public egress and firefighter access. These priorities identified two urgent tasks: mitigation along highest risk egress routes and the creation of shaded fuel breaks in critical areas where a potential fire would threaten large segments of the district population. The critical areas are located within gaps in the existing system of maintained fuel breaks near high density forested regions. A majority of homes are built on steep slopes (over 57% exceed 31% slope). The WHINFOE model classifies potential fire behavior as 41% high hazard and 51% very high and extreme hazard. The fuel model types in the proposed project are open canopy ponderosa with a grass understory (FM2) and mixed conifer (FM9). The project areas' fire regime historically fell within a 0-35 year frequency with a mixture of condition class 2 and 3. The specific mitigation projects listed above (Lee Hill, Pine Brook, Brook, Dear Trail Road, and Carriage Hills) are amongst the most important evacuation routes in BMFPD district and the surrounding fire districts and will help secure ingress of fire equipment and egress of district residents. Several of the roads listed are one way in one way out and ranked as highest priority in our CWPP. Securing these particular evacuation routes will tie together many fuel breaks that have been installed by BMFPD.

### Scientific Foundation

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces, and punctuation.**

**Briefly describe the scientific foundation for the project, specifically the practice standards (e.g. forest management plan, CWPP, professional publications, other professional technical resources, professional foresters or other natural resource professionals) that will be applied to achieve the desired outcome of the project. 1,000 characters**

7

BMFPD completed many informal scientific analyses of our district prior to contracting a nationally-known fire management consultant to perform a rigorous scientific study and publish the results (August 2004) in a report titled "Wildland Urban Interface (WUI) Community Vulnerability Analysis and Landscape Fuels Modifications". The methodology for this analysis used a Wildfire Hazard Rating (WHR) to rank areas of BMFPD's district based on the results of modeled environmental factors such as fuels and topography, along with the field experience and knowledge of wildland fire experts. The WHR survey and fuel model ground truthing were accomplished by field surveyors with WUI experience. Based on these rankings key egress and ingress routes for resident evacuation and fire equipment emergency access were identified and a list of 12 recommendations for fuel treatments were identified. In April of 2006 BMFPD completed a CWPP which expanded on the results of the 2004 report.

### Protection of Water Supplies

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces, and punctuation.**

**Describe how the proposed project will contribute to the protection of water supplies, such as water quality, water quantity, and / or associated infrastructure. 700 characters**

8

BMFPD's mitigation activities have helped protect the water quantity in 3 Front Range drainages which including: Two Mile Canyon Creek, Four Mile Canyon Creek, and Left Hand Canyon Creek. The 4 Mile Fire in 2010 adversely affected the water quality of the Pine Brook Water District, requiring extensive upgrades at Pine Brook Water's filter treatment plant costing hundreds of thousands of dollars. The remaining drainage of Two Mile Creek in Pine Brook Hills is the only unaffected area of Pine Brook Water District. Mitigation projects proposed as part of this grant application will help protect important access routes and critical Pine Brook Water infrastructure.

### Scope of Work / Project Timeline

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces, and punctuation.**

**Provide a brief scope of work that clearly describes how grant funds will be spent. (This should be more specific than the project description) 1,500 characters**

The communities of Pine Brook Hills, Boulder Heights, and Carriage Hills have limited evacuation and access routes for emergency vehicles. These access routes have dense tree canopies on each side, making for a dangerous evacuation during a wildfire event. The priority treatments for this project will install shaded fuel breaks at the critical egress locations in each of the communities. These treatments will also benefit as shaded fuel breaks. All new fuel breaks will tie into existing meadows and anchored to major roadways. The treatments will extend along the community access roads to the extent that the community's matching funds will cover.

9

The work will be performed through a BMFPD sub-award using our mitigation crew. Shaded fuel breaks will be setup by Colorado State Forest Service (CSFS) personnel, using CSFS guidelines (at least 300 feet wide fuel breaks adjusted for slope and topography). In creating the fuel breaks, ladder fuels will be eliminated, retained trees will have a ten foot or greater crown spacing, and standard tree health/size/species diversity will be taken into account during project marking. The fuel breaks will have a combination of chipping done near the roadways and burn piles created in less accessible areas. The piles will be burned the following winter. The requested funds for this project will be sufficient to create 133 acres of shaded fuel break with an approximate width of 300 feet.

**Provide a timeline for the project, including significant accomplishment milestones. 500 characters**

Upon grant award, the BMFPD Mitigation Coordinator will work with a CSFS representative to organize community meetings, mark project areas, and finalize permissions. Tree cutting will commence in the summer of 2011 following the finalization of project setup, matching fund collection, contract negotiation, and the securing of landowner permissions. Project cutting will continue for two years from the date of award.

### Collaboration

**Specify the private, local, tribal, county, state, federal, and/or non-governmental (501c3) organizations that participated in the design of this project and describe how such partners will contribute to, or participate in, the project's implementation. Specify the role of any Youth Conservation Corps that will participate in implementation. 1,000 characters**

10

Participants include the BMFPD, CSFS, private landowners/Home Owners Associations (HOAs), and the Boulder County Land Use Department. The CSFS and BMFPD will hold public meetings with the affected landowners to provide information on project plans and educate landowners on the rationale behind specific details of the project. The CSFS will do a majority of the project setup with landowner coordination being done by BMFPD's full time Mitigation Coordinator. The Boulder County Land Use Department will assist with project setup and is providing the fire department with a chipping grant. The fuels treatment labor will be completed by the BMFPD mitigation crew. The BMFPD crew will be paid through landowner/HOA funds and reimbursed through a CSFS sub award. BMFPD subsidizes one third of the Mitigation Services annual budget through money collected by local taxes.

### Project Longevity / Maintenance

**Clearly demonstrate the long-term benefits of the project, and who will provide what maintenance services. 500 characters**

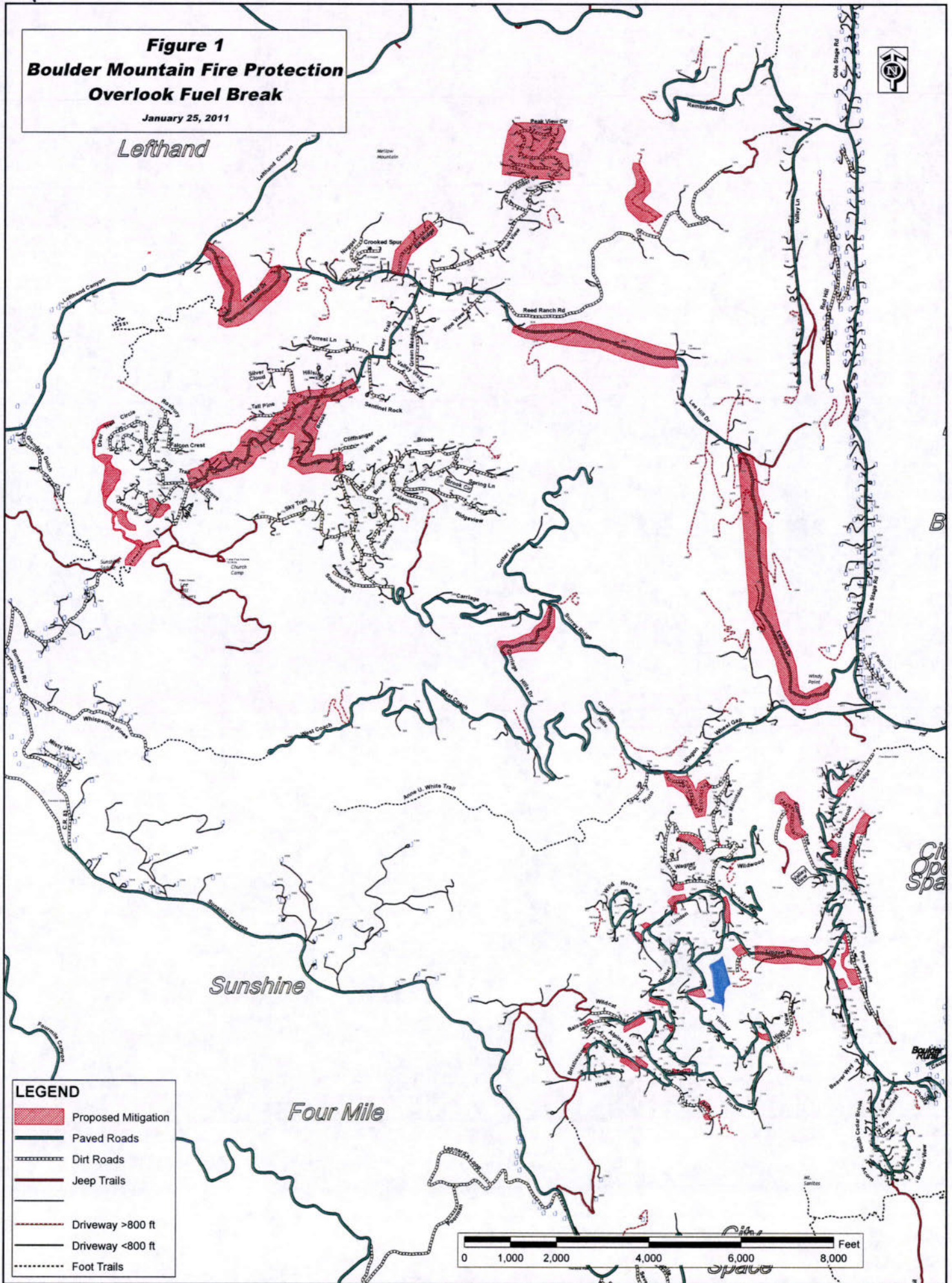
11

BMFPD has a mitigation crew of 8 with 2 full time, 3 seasonal and 3 part time employees as well as a full time mitigation coordinator that are dedicated to maintaining the fuel breaks in the community and monitoring for insect and disease. BMFPD relies on funding from the local home owners associations and a chipping grant from the county to fund the project maintenance. BMFPD Mitigation Services has maintained hundreds of acres of fuel breaks installed over the the last 13 years.

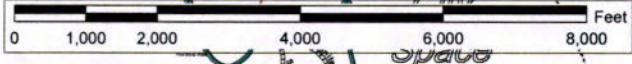
**Figure 1**  
**Boulder Mountain Fire Protection**  
**Overlook Fuel Break**

January 25, 2011

*Lefthand*



- LEGEND**
- Proposed Mitigation
  - Paved Roads
  - Dirt Roads
  - Jeep Trails
  - Driveway >800 ft
  - Driveway <800 ft
  - Foot Trails



not funded  
5/23/11



2010 HB09-1199  
Colorado Forest  
Restoration Pilot Grants

FOR OFFICIAL USE ONLY	
Entity Submitting Project:	Cal-Wood Education Center
County:	Boulder-BO
Date:	1/19/2011
Dollar Amount Requested:	\$4,500
Matching Share:	\$3,000

Applicant Information	
1	<b>Name of Project:</b> Cal-Wood Education Center
	<b>Applicant:</b> Cal-Wood Education Center
	<b>Contact Person:</b> Rafael Salgado/Angie Busby
	<b>Address:</b> PO BOX 347
	<b>City/Zip Code:</b> Jamestown, CO 80455
	<b>Phone (Work/Cell):</b> 303-449-0603
	<b>Email:</b> angie@calwood.org
	<b>Fax:</b> 303-449-0576

Community at Risk Information	
2	<b>Community Name:</b> Jamestown
	<b>County:</b> Boulder-BO
	<b>Name of CWPP:</b> Jamestown Fuel Reduction Project
	<b>Location to obtain/review:</b> CSFS- Boulder Ranger District

Grant Contributors (Matching Share)							
<i>(Applications will be disqualified if sufficient match is not identified) Please specify each match contributor and the dollar amount of each contribution. Please DO NOT show grant requested funds in this table. This is for matching share only.</i>							
3	<b>Contributors:</b> (Please specify)	Pilot Trust	Cal-Wood				<b>TOTAL</b>
	<b>Dollars (Hard Match):</b>	\$1,000					\$1,000
	<b>In-Kind (Soft Match):</b>		\$2,000				\$2,000
	<b>TOTAL:</b>	\$1,000	\$2,000	\$0	\$0	\$0	\$0

Total Project Expense (break down matching share totals from block three)					
	Grant Share (\$ Amount Requested)	Match (from block three)		TOTAL	
		Dollars	In-Kind		
4	<b>Personnel / Labor:</b>	\$4,500	\$1,000	\$2,000	\$7,500
	<b>Operating:</b>				\$0
	<b>Travel:</b>				\$0
	<b>Contractual Services:</b>				\$0
	<b>Equipment:</b>				\$0
	<b>Indirect Costs:</b>				\$0
	<b>TOTAL:</b>	\$4,500	\$1,000	\$2,000	\$7,500

6290

<b>Project Summary (check all that apply and answer related questions)</b>	
Addresses protection of water supplies? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Project based on ecological assessment of current conditions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Project located within important forest landscape? <input type="checkbox"/> Very High <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low	
Select theme map(s) referenced: <input type="checkbox"/> Conserve Working Forest Landscapes <input checked="" type="checkbox"/> Protect Forests from Harm <input type="checkbox"/> Enhance Public Benefits from Trees and Forests	
<b>Project Objectives (check all that apply)</b>	
Reducing threat of large, high-intensity wildfires and the negative effects of excessive competition between trees by restoring ecosystem functions, structures, and species composition, including the reduction of non-native species.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Preserving old and large trees to the extent consistent with ecological values and science.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Replanting trees in deforested areas, if such areas exist in the project area.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Improving the use of, or adding value to, small-diameter trees.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Number of acres to be treated: 5 acres	Estimated cost/acre: \$1,500
Will the implementation of this project involve a contract with the Colorado Youth Corps Association or another accredited Colorado youth corps?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Communities directly affected by this project:	The Cal-Wood property, Lyons, Longmont, and all the farmers in between that rely on the Saint Vrain.

5

### Project Area Description

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. Characters include letters, numbers, spaces, and punctuation.

**Provide a brief overview of the project, project area, and relevance to the Colorado Statewide Forest Resource Strategy. Specify size of project and land ownerships involved (e.g. private, county, state, federal, etc.). Include information on the relevant watershed. Submit a single one-page map of the project area (view instructions on request for proposal). 1,750 characters**

6 This project would be a forest thinning and fire mitigation project along a pond and an intermittent stream on Cal-Wood's property. This water source is Cal-Wood's only watershed and forest thinning has never been done at this site. The pine beetle is slowly moving into this area and trees are starting to choke out the stream bed. Evidence of the 1980's epidemic of the spruce bud worm is prevalent in this area, thus the fuel load is really high. The total project size is five acres, is on a north facing slope, and follows the stream and the backside of the pond. This intermittent stream flows into a permanent stream at the eastern boundary of Cal-Wood where it then flows into the Saint Vrain. We also hope to preserve several old growth blue spruces and reduce competition in the aspen forests in the area.

### Scientific Foundation

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. Characters include letters, numbers, spaces, and punctuation.

**Briefly describe the scientific foundation for the project, specifically the practice standards (e.g. forest management plan, CWPP, professional publications, other professional technical resources, professional foresters or other natural resource professionals) that will be applied to achieve the desired outcome of the project. 1,000 characters**

7 The project would be a great addition to our CSP grant (watershed protection addendum) through the NRCS. Cal-Wood also has a forestry management plan and this project would fall into this. If we have any questions, we typically contact the forest service and the NRCS. Cal-Wood will follow all forest service guidelines for shaded fuel break thinning and the Best Management Practices to Protect Water Quality in Colorado (2010). We are also going to use this as a teaching tool for children about forest health, watershed protection, and fire mitigation through the many lesson plans that we teach here at Cal-Wood.

### Protection of Water Supplies

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. Characters include letters, numbers, spaces, and punctuation.

**Describe how the proposed project will contribute to the protection of water supplies, such as water quality, water quantity, and / or associated infrastructure. 700 characters**

8 This project would protect Cal-Wood's intermittent stream and its lower pond. This pond has many macroinvertebrates and tiger salamanders that live in. The pond has an earthen dam on the east and a drainage to the the stream on the south. The intermittent stream that runs below the pond feeds into a connection stream that runs into the St. Vrain River. The project site surrounds the pond and the intermittent stream. We hope to decrease the chance of erosion during a fire to protect the only drainage at Cal-Wood. The wildlife here depends on this water source through most of the year. We also hope to increase overall forest health in the area with forest thinning, and pine beetle prevention.

<b>Scope of Work / Project Timeline</b>	
<p>All information for the project must fit into the allotted character space provided below.            Attachments will not be considered by the review committee. <b>Characters include letters, numbers, spaces, and punctuation.</b></p>	
9	<p><b>Provide a brief scope of work that clearly describes how grant funds will be spent. (This should be more specific than the project description) 1,500 characters</b></p> <p>The grant money will be spent by hiring a contractor to do the work. This money would pay the contractor to cut down marked trees, limb, and buck the logs into firewood size. Cal-Wood in-kind donations will be spent on cleaning up the slash, chipping, and hauling logs out of the project site to be split as firewood. Building and burning slash piles will be done by Cal-Wood and its volunteers. Cal-Wood will be responsible for marking trees and boundaries, <u>but will be done not on grant money.</u></p>
<p><b>Provide a timeline for the project, including significant accomplishment milestones. 500 characters</b></p> <p>We would like to hire a contractor by June. The contractor would begin work shortly after that and complete the project by the end of July. We would have volunteer groups assist with the slash treatment during the months of July and August. Our goal would be to have the project completed entirely by September first. We would not spend more than three months on this project once a contractor gets hired.</p>	
<b>Collaboration</b>	
10	<p><b>Specify the private, local, tribal, county, state, federal, and/or non-governmental (501c3) organizations that participated in the design of this project and describe how such partners will contribute to, or participate in, the project's implementation. Specify the role of any Youth Conservation Corps that will participate in implementation. 1,000 characters</b></p> <p>Cal-Wood Education Center would be in charge of marking the trees and boundaries as well as hiring a contractor. They will have the Colorado State Forest Service assist if needed. Volunteers vary from at-risk youth to the Boulder County Youth Corps. We are currently booking our volunteer groups for the summer, thus we are not sure what specific groups would be helping with this project.</p>
<b>Project Longevity / Maintenance</b>	
11	<p><b>Clearly demonstrate the long-term benefits of the project, and who will provide what maintenance services. 500 characters</b></p> <p>This project will overall enhance the health of the forest through fire mitigation and disease prevention. The forest and the surrounding watershed will benefit from fuel load reduction and overall quality of the forest; especially aspen stands. Cal-Wood will be responsible for managing this forest site once a year to ensure that the forest stays thinned out and to manage any new diseases. Erosion will also be monitored in the area to ensure protection of the watershed.</p>

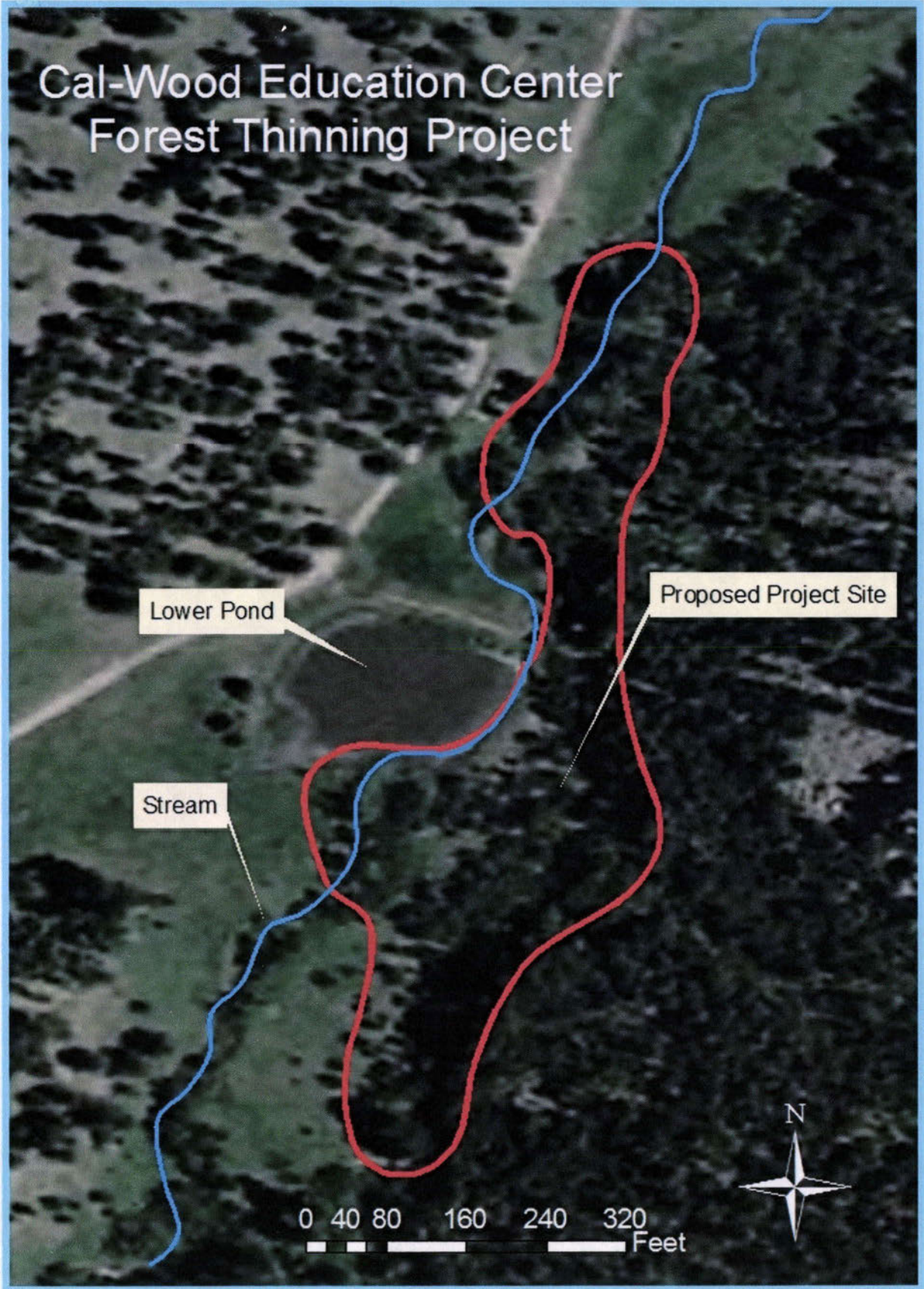
# Cal-Wood Education Center Forest Thinning Project

Lower Pond

Proposed Project Site

Stream

0 40 80 160 240 320 Feet



NOT FUNDED  
5/23/11



2010 HB09-1199  
Colorado Forest  
Restoration Pilot Grants

FOR OFFICIAL USE ONLY	
Entity Submitting Project:	Four Mile Fire Protection District
County:	Boulder-BO
Date:	1/26/2011
Dollar Amount Requested:	\$103,500
Matching Share:	\$69,000

Applicant Information	
1	<b>Name of Project:</b> Four Mile Fire
	<b>Applicant:</b> Four Mile Fire Protection District
	<b>Contact Person:</b> Bruce Vaughn or Bret Gibson (Chief)
	<b>Address:</b> 87 Four Mile Canyon Drive
	<b>City/Zip Code:</b> Boulder, CO 80302
	<b>Phone (Work/Cell):</b> 303-492-7985 (Vaughn) 303-444-0882 (Gibson)
	<b>Email:</b> bruce.vaughn@colorado.edu
	<b>Fax:</b> 303-492-6388

Community at Risk Information	
2	<b>Community Name:</b> Arroyo Chico
	<b>County:</b> Boulder-BO
	<b>Name of CWPP:</b> Four Mile Fire Protection District, WUI CWPP
	<b>Location to obtain/review:</b> Arroyo Chico and Comano Bosque Neighborhoods, Four Mile Canyon

Grant Contributors (Matching Share)							
<i>(Applications will be disqualified if sufficient match is not identified) Please specify each match contributor and the dollar amount of each contribution. Please DO NOT show grant requested funds in this table. This is for matching share only.</i>							
3	<b>Contributors:</b> (Please specify)	Land owners + Fire Dept.					<b>TOTAL</b>
	<b>Dollars (Hard Match):</b>	\$69,000					\$69,000
	<b>In-Kind (Soft Match):</b>						\$0
	<b>TOTAL:</b>	\$69,000	\$0	\$0	\$0	\$0	\$69,000

Total Project Expense (break down matching share totals from block three)				
	Grant Share (\$ Amount Requested)	Match (from block three)		TOTAL
		Dollars	In-Kind	
4	<b>Personnel / Labor:</b>			\$0
	<b>Operating:</b>			\$0
	<b>Travel:</b>			\$0
	<b>Contractual Services:</b>	\$103,500	\$69,000	\$172,500
	<b>Equipment:</b>			\$0
	<b>Indirect Costs:</b>			\$0
	<b>TOTAL:</b>	\$103,500	\$69,000	\$172,500

46% 33%

<b>Project Summary (check all that apply and answer related questions)</b>	
Addresses protection of water supplies? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Project based on ecological assessment of current conditions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Project located within important forest landscape? <input checked="" type="checkbox"/> Very High <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low Select theme map(s) referenced: <input checked="" type="checkbox"/> Conserve Working Forest Landscapes <input checked="" type="checkbox"/> Protect Forests from Harm <input checked="" type="checkbox"/> Enhance Public Benefits from Trees and Forests	
<b>Project Objectives (check all that apply)</b>	
Reducing threat of large, high-intensity wildfires and the negative effects of excessive competition between trees by restoring ecosystem functions, structures, and species composition, including the reduction of non-native species.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Preserving old and large trees to the extent consistent with ecological values and science.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Replanting trees in deforested areas, if such areas exist in the project area.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Improving the use of, or adding value to, small-diameter trees.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Number of acres to be treated: 75	Estimated cost/acre: \$2,300
Will the implementation of this project involve a contract with the Colorado Youth Corps Association or another accredited Colorado youth corps?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Communities directly affected by this project:	Arroyo Chico and Camino Bosque neighborhoods + entire Four Mile district.

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### Project Area Description

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces, and punctuation.**

**Provide a brief overview of the project, project area, and relevance to the Colorado Statewide Forest Resource Strategy. Specify size of project and land ownerships involved (e.g. private, county, state, federal, etc.). Include information on the relevant watershed. Submit a single one-page map of the project area (view instructions on request for proposal). 1,750 characters**

6 Project Description: The 2010 Four Mile Fire burned over 6,000 acres in the Wildland Urban Interface of the Front Range in Boulder County. Many structures were lost, but a greater number of them were saved and remain at risk in our heavily wooded fire district. Continuing mitigation efforts to protect the green areas around the values at risk within our community remains a high priority, as featured in our CWPP. The entire project area and is in High Value part of the 3 maps in the Colorado State Forest Resource Strategy. Because of the burn, many smaller watersheds are now at risk for flooding, soil erosion, and sediment transport in the drainages. The Four Mile FPD proposes a project to mitigate 75 acres of the Arroyo Chico and Camino Bosque neighborhoods within the Four Mile District to: a) protect the area from future burns through fuels reduction, creation of defensible space and escape routes, b) enable the re-establishment of ecosystems and habitat in response to the fire, and c) to lessen the potential for serious post-fire soil erosion and subsequent degradation of the water shed which threatens local water supplies. Pinebrook Hills maintains a pumping station for domestic water supply at a site less than a mile downstream of this neighborhood in the Four Mile Creek. The project has buy-in from stakeholders in the neighborhoods, which stand ready to partner with this project and the Four Mile Fire Protection District to achieve these goals. The attached map outlines the project area and shows local roads, structures and creeks.

### Scientific Foundation

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces, and punctuation.**

**Briefly describe the scientific foundation for the project, specifically the practice standards (e.g. forest management plan, CWPP, professional publications, other professional technical resources, professional foresters or other natural resource professionals) that will be applied to achieve the desired outcome of the project. 1,000 characters**

7 This project is based on priority assessment from the Four Mile Fire Protection District CWPP (<http://bcn.boulder.co.us/emergency/fourmile/cwpp.shtml>) and is in keeping with best practices as defined by Colorado State Forest Service and further outlined by FOURMILE EMERGENCY STABILIZATION BURNED AREA REPORT (10/10/2010). There are also a number of local scientists working in and around the burned area from the University of Colorado, Boulder Creek Critical Zone Observatory, and the U.S. Geological Survey, which we will continue to engage, to insure that the best science is utilized in our efforts, particularly in regard to flood mitigation. A number of sensors (meteorological stations, soil moisture probes, lysimeters, etc.) have been deployed in nearby areas that may also help us. We similarly plan to work closely with the Colorado State Forest Service Forest Management Division to ensure our green tree mitigation and defensible space work aligns with the most current standards.

### Protection of Water Supplies

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces, and punctuation.**

**Describe how the proposed project will contribute to the protection of water supplies, such as water quality, water quantity, and / or associated infrastructure. 700 characters**

8 The Four Mile FPD watershed is made up of numerous sub-watersheds that are defined by 7 miles of perennial streams, and more than 13 miles of ephemeral streams. The post-fire hazard of flooding and sediment transport into the main drainage has increased enormously. Fourmile Creek serves as a source for public water supply to the community of Pine Brook Hills, which pumps water from Fourmile creek, just downstream of the proposed project. The water quality is threatened by increased total organic carbon (TOC), nutrients, and metals from the sediment, which could increase treatment costs. Our mitigation efforts will help address this hazard.

## Scope of Work / Project Timeline

All information for the project must fit into the allotted character space provided below.  
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces, and punctuation.**

**Provide a brief scope of work that clearly describes how grant funds will be spent. (This should be more specific than the project description) 1,500 characters**

9 We propose to mitigate 75 acres of property on private land, in cooperation with landowners, utilizing the Four Mile Mitigation Crew. A lengthy and detailed scope of work is prepared and shared with both the CSFS and the landowners prior to work. In the short version here, we can say that approximately <20% of the acreage contains burned trees and the remaining is green. All property within the Arroyo Chico/Camino Bosque project areas will be mitigated to the "shaded fuel break/defensible space" standard as prescribed by the CSFS as defined in the Healthy Forest Initiative. We will also work closely with the Fourmile Emergency Stabilization Team (FEST). Strategies employed will be tailored specifically for burned, and unburned areas. Trees will be marked, cut, and bucked to similar lengths, depending on diameter and left piled near the stump. No buck piles or slash piles will be created with five feet of a retained tree to reduce the chances of an Ips Beetle infestation jumping from slash/bucks to a live, retained tree. All stumps will cut low to the ground, and where appropriate, contour falling of trees will be used to mitigate soil erosion, particularly in the burned area. Slash will be piled for chipping near roads, broadcast to 1-inch deep over green areas, and deeper (~2 inches) over the burned areas. Where impractical, slash piles will be either burned or, lopped and scattered.

**Provide a timeline for the project, including significant accomplishment milestones. 500 characters**

All work is to be accomplished over the next 18 months in this time line:  
 Meetings with homeowner's 4/01/11-4/30/11  
 Project funding and go-ahead 5/01/11-5/15/11  
 Marking trees 5/16/11-5/31/11  
 Mitigation area 1 (Arroyo Chico) 6/01/11-6/30/11  
 Mitigation area 2 (Camino Bosque) 7/01/11-7/31/11  
 Mitigation area 3 (Four Mile Canyon) 8/01/11-8/31/11  
 Site visits by CSFS throughout the project.

## Collaboration

**Specify the private, local, tribal, county, state, federal, and/or non-governmental (501c3) organizations that participated in the design of this project and describe how such partners will contribute to, or participate in, the project's implementation. Specify the role of any Youth Conservation Corps that will participate in implementation. 1,000 characters**

10 Our collaborators include the landowners, the Colorado State Forest Service, the Fourmile Emergency Stabilization Team (FEST, which includes guidance from NOAA, USGS, Boulder County Open Space, etc) and Pine Brook Hills Water District. In addition, we will collaborate with volunteers of Four Mile FPD, offering further training and experience for graduates of the S-212 saws class. We plan on working with landowners to design defensible space, marking trees and identifying specific larger trees that will be key to restoring habitat and forest health. Plans to incorporate the Youth Conservation Corps role have not been identified yet, but we are open to this. The project is definitely a team effort and its success will stand on our ability to bring all stakeholders to the table. In this regard the Four Mile Mitigation Crew has successful track record, and is optimistic about the prospect of this project.

## Project Longevity / Maintenance

**Clearly demonstrate the long-term benefits of the project, and who will provide what maintenance services. 500 characters**

11 The long term benefits from properly mitigated forest will include a diminished thread of flooding and sediment transport into Four Mile Creek along with a healthier forest ecosystem that will be more resistant to catastrophic fire. Defensible space around structures will protect the property and provide greater safety to responding firefighters for decades to come. Fire Volunteers in the area will be able to monitor need for follow up as needed.

## Four Mile Fire Protection District Project area for Colorado Forest Restoration Grant.

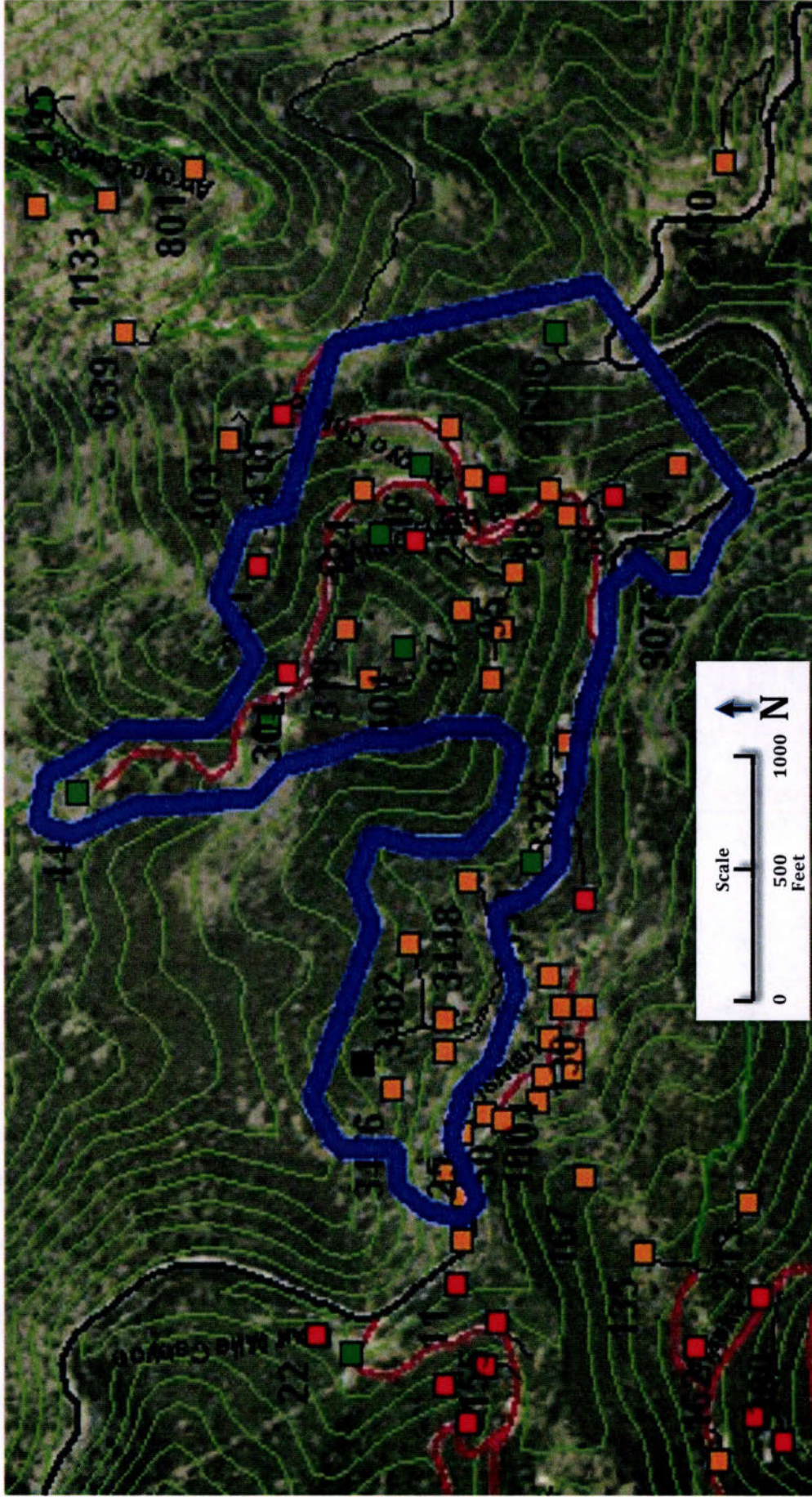
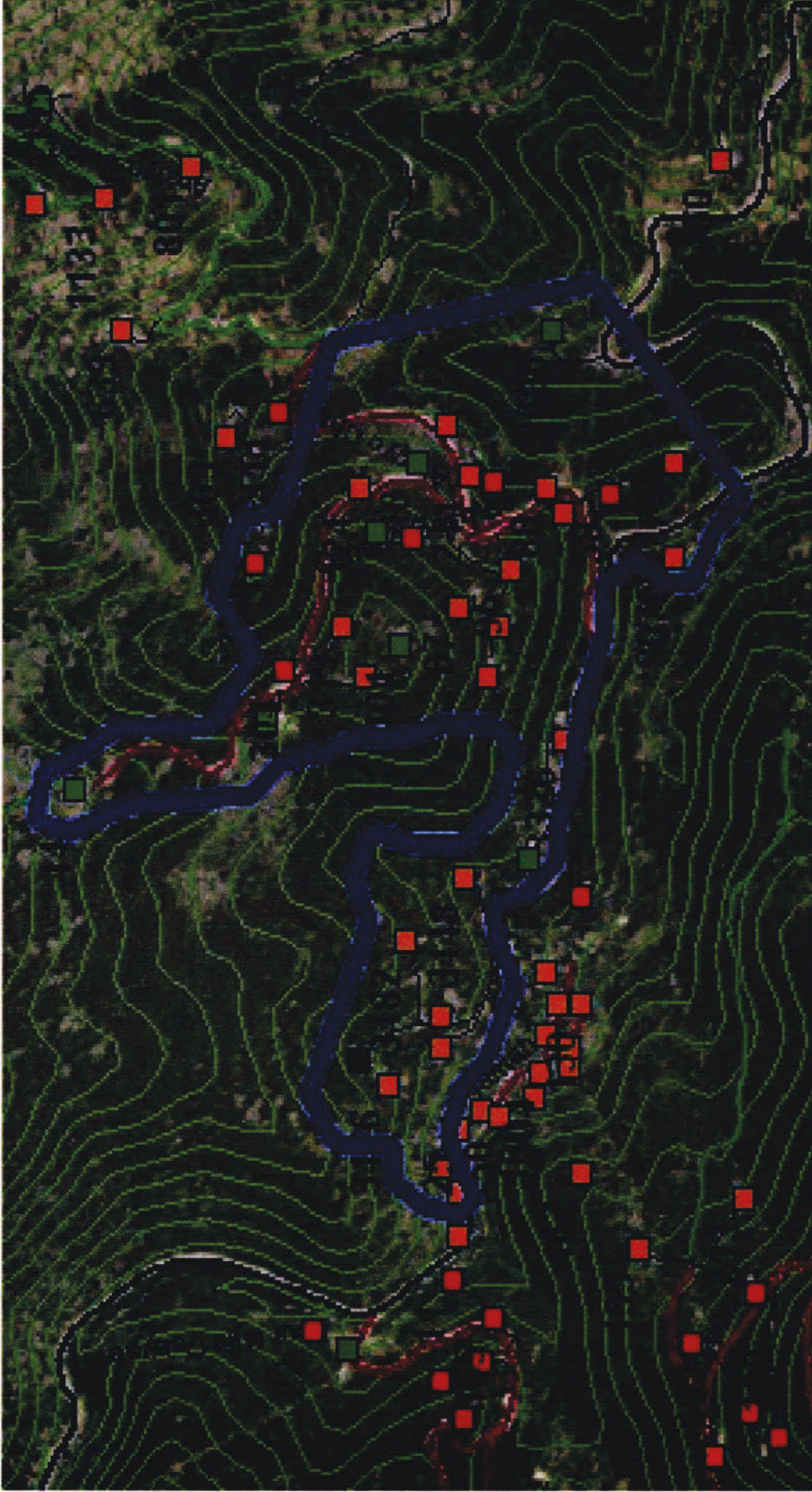


Figure 1. Map showing the proposed Arroyo Chico/Camino Bosque neighborhood mitigation project area approximately 3 miles up Four Mile Canyon Drive, Boulder Colorado. Defensible space will be created or improved around approximately 30 homes (~1.5 acres each). In addition, a community shaded fuel break comprising approximately 30 acres between the homes will be created to protect escape routes. The general area is outlined in green. The paved Four Mile Canyon Drive is shown in black, the improved dirt roads in red, and unimproved secondary roads in green. Green structures are mitigated, orange have some mitigation, and red have no mitigation. Approximately 20% of area was burned by the 2010 Four Mile Fire.

Map created by REDZONE software, with photographic background, contours lines, structures and roads, January 2011.



Map showing the proposed Arroyo Chico/Camino Bosque neighborhood fuels reduction mitigation project. Defensible space will be created or improved around approximately 30 homes (~1.5 acres each). In addition, a community shaded fuel break comprising approximately 30 acres will be created to protect escape routes. The general area is outlined in blue. The paved Four Mile Canyon Drive is shown in black and neighborhood dirt roads are in red and green.

Map created by REDZONE, with photographic background, contours lines, structures and roads, January 2011.



Colorado State Forest Service  
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# NEWS

## **For Immediate Release**

December 15, 2010

**Contact for Reporters:** Ryan Lockwood

970.491.8970

[ryan.lockwood@colostate.edu](mailto:ryan.lockwood@colostate.edu)

## **Grant Funds Available for Forest Restoration, Watershed Protection Projects**

**FORT COLLINS, Colo.** – Colorado landowners and communities wanting to protect forested watersheds may be eligible for grant funding from the Colorado State Forest Service.

For the next six weeks, the CSFS will accept proposals for the Colorado Forest Restoration Pilot Grant Program, which helps fund projects that demonstrate a community-based approach to forest restoration. Project proposals must address the protection of water supplies or related infrastructure, as well as the restoration of forested watersheds.

“This program focuses on mitigating threats that affect watersheds at risk, as identified in the Colorado Statewide Forest Resource Assessment,” said Jeff Jahnke, state forester and director of the CSFS, a service and outreach agency of the Warner College of Natural Resources at Colorado State University. “Forest management projects funded by these grants will help protect Colorado forests and enhance the public benefits they provide, ultimately protecting water quality and quantity.”

The Colorado Forest Restoration Pilot Grant Program encourages diverse local stakeholders to work together to develop forest restoration proposals that address diverse forest health challenges such as community and water-supply protection, ecological restoration, forest product utilization and wildfire risk reduction.

Severe wildfires have the potential to negatively impact watersheds through significant increases in runoff and erosion, diminished water quality and accelerated loss of snowpack. For example, the 2002 Hayman Fire that burned across the watershed of the South Platte River continues to cost Denver Water millions of dollars on sediment removal projects and related activities. The projects have been necessary to restore storage capacity and water quality in reservoirs downstream of the burned area.

Colorado landowners and anyone else with legal authority to contract for work on relevant properties are eligible to compete for grant funding. The state can fund up to 60 percent of each awarded project; grant recipients are required to match at least 40 percent of the total project cost through cash or in-kind contributions, including federal funds. Proposed projects must be located in communities with a CSFS-approved Community Wildfire Protection Plan.

-more-

The Colorado Forest Restoration Pilot Grant Program was established in 2007. Based on the availability of severance tax funds, continued funding of up to \$1 million annually has been authorized for the next two state fiscal years.

An interdisciplinary technical advisory panel, convened by the CSFS in partnership with the Colorado Department of Natural Resources, will review project applications this winter. The state forester will make final selections and notify successful applicants in spring 2011.

All grant applications are due by 4 p.m. Jan. 26. Applications and additional information about the Colorado Forest Restoration Pilot Grant Program are available at local CSFS district offices or [csfs.colostate.edu](http://csfs.colostate.edu).

###



# 2010 Request for Proposal

## HB09-1199 Colorado Forest Restoration Pilot Grant

### Application Information

During the 2009 session, the Colorado General Assembly approved HB 09-1199 to support SB08-071 extending the Pilot Forest Restoration Program created by HB 07-1130 for an additional four years. HB 09-1199 authorized up to \$1,000,000 for each state fiscal year through July 2013 contingent on the availability of funds in the Operational Account of the Severance Tax Trust Fund. The Colorado State Forest Service administers the program, and funding is awarded through a competitive process that prioritizes collaboration, protection of communities and water supplies, use of forest products and scientifically based ecological restoration. Projects may be entirely on private, federal, state, county or municipal forest lands, or on any combination thereof. The state share of total project cost shall not exceed 60 percent per project. Matching funds may be provided through cash or in-kind. Federal funds and in-kind contributions are eligible match. Projects must be implemented in area(s) identified in proposal.

#### **ELIGIBILITY:**

Proposed projects must:

- Meet the grant criteria.
- Meet the 60/40 match requirement.
- Be completed within the 18-month project period.
- Be located within the state boundaries of Colorado.
- Be located in an area with an approved [Community Wildfire Protection Plan](#).
- Complete all activities and **acres to be treated as** proposed in the scope of work for full payment. Partial completion will result in partial reimbursement based on CSFS evaluation of progress.
- Only projects that propose the use of machinery or otherwise demonstrate the ability to meet the stated program and proposal objectives of the project (i.e. thinning with chainsaws or heavy equipment, vegetation planting, erosion control activities, etc.) will be considered for award to ensure completion of project in allotted timeframe. Prescribed fire (broadcast and pile) are not approved activities for the use of these funds.
- Identify project relevance to Colorado Statewide Forest Resource Strategy and describe project location in reference to the Colorado Statewide Forest Resource Assessment:
  - The [Colorado Statewide Forest Resource Assessment and Strategy](#) (follow link for background of assessment and strategy, and access to the publications and appendices) are companion documents required by the 2008 Farm Bill to help guide where we direct resources to best focus management efforts and achieve desired future conditions. All forest management activities planned and implemented shall consider projects in the higher priority areas of Colorado's important forest landscapes and/or where the opportunity exists to affect larger landscapes and leverage other resources. Additionally, projects should address strategies suggested to manage Colorado's important forest landscapes.
  - Describe project location within identified priority landscape level according to one of the national theme maps, Conserve Working Forest Landscapes, Protect Forests from Harm and Enhance Public Benefits from Trees and Forests (Colorado Statewide Forest Resource Assessment, p 70-72). Consult your CSFS District for assistance to assess where your project is located with respect to the theme maps.
- Address the protection of water supplies, such as water quality, water quantity and / or related infrastructure.
- Address one or more of the following objectives:

- Reducing the threat of large, high-intensity wildfires and the negative effects of excessive competition between trees by restoring ecosystem functions, structures, and species composition, including the reduction of nonnative species populations.
- Preserving old and large trees to the extent consistent with ecological values and science.
- Replanting trees in deforested areas if such areas exist in the proposed project area.
- Improving the use of, or adding value to, small-diameter trees as forest products.
- Comply with all applicable federal and state environmental laws
- Include a diverse and balanced group of stakeholders, as well as appropriate governmental representatives, in the design, implementation and monitoring of the project.
- Incorporate current scientific forest restoration and management techniques.
- Include an assessment to:
  - Identify both the existing ecological condition of the proposed area and the desired future condition. Existing ecological conditions may include (a) highly erodible soils on slopes that impact the water quality, (b) over-stocked forests that present wildfire risk, unhealthy trees, reduced water yield, or (c) low species diversity. The desired future condition is the accomplishment of goals, or management activities, outlined in the Scope of Work that promote the healthy function, structure, and composition of essential ecosystem components. Examples of essential ecosystem components may address (1) age and size class diversity, (2) species diversity, (3) interactions between forest cover and density to water quality and quantity, and fire risk, and (4) relationship between soil erosion and water quality.
- Report, upon project completion, to the Colorado State Forest Service on the positive or negative impact and cost effectiveness of the project. Compare proposed budget and actual expenses considering activities accomplished according to Scope of Work. Include digital and electronic before and after photos in the Final Closeout Report. Provide CSFS a shapefile (digital map data) for treated areas.
- Leverage funding through in-kind (soft match) or cash (hard match) contributions. Federal funds and in-kind contributions are acceptable.

**Please Note:** Projects will be given additional consideration if the implementation involves a contract with the [Colorado Youth Corps Association](#) or another accredited Colorado Youth Corps.

Additionally, projects are encouraged to utilize forest products generated from project activities.

## **OBJECTIVES**

All projects must address the protection of water supplies in addition to one or more of the other listed objectives.

### **Protect Water Supplies**

All projects must include forest treatments that result in the protection of water supplies. This objective can be achieved by reducing the risk of wildfire to watersheds or to water treatment and/or storage facilities; through forest management practices including but not limited to thinning, selective harvest, clearcutting, chipping, mastication, and planting of trees in deforested areas (only mechanical operations). All projects must follow [Forestry Best Management Practices for Protecting Water Quality in Colorado](#).

### **Reduce the Threat of Large High-Intensity Fires:**

Projects will mitigate the threat of wildfires by reducing fuel loads and excessive competition among trees, and restoring ecosystem function, structure, and species composition, including reduction of non-native species populations. To be considered, all projects must be in an area covered by an [approved Community](#)

Wildfire Protection Plan (CWPP) and should address a priority described in the plan. Colorado State Forest Service is the agency responsible for approving Community Wildfire Protection Plans.

**Preserve Old and large Trees :**

Projects will restore ecosystem function and incorporate the ecological values of old and large trees as appropriate based on scientific research.

**Replant Trees in Deforested Areas:**

Projects will provide for reforestation in areas negatively impacted by wildfire, insects and disease or other large-scale disturbance. Reforestation will be prioritized in areas that have not been, and are not likely to be, adequately restocked by natural processes. Emphasis will be given where planting trees protects water supplies, and conserves and restores natural and social values.

**Improve the Use of, or Add Value to, Small Diameter Trees:**

Projects will emphasize the utilization of small diameter material and other woody biomass that results from forest treatments. Communities are encouraged to submit projects that improve the cost-effectiveness of treatments through utilization of woody material.

**APPLICATION INSTRUCTIONS:**

1) All blocks are fill-in enabled and character locked. Applicants must fit all information into the allotted character space. Characters include letters, numbers, spaces and punctuation. **Applications that have been modified for any reason will be considered ineligible by the review committee. Applications must meet all requirements to be considered eligible. The Colorado State Forest Service reserves the right to reject any or all applications.**

2) Application guidelines by box number:

- **Box 1 & 2-** Basic applicant and community at risk information. Include the name of the Community Wildfire Protection Plan (CWPP) and where we can obtain a copy.
- **Box 3 & 4-** The totals in these boxes add automatically when all data is entered into the fields and you tab to the next fill in enabled box. Do not enter numbers into contributors' space. If the contributors name contains a number spell out that number so that it will not add into the total column. Check that all numbers add up correctly and have transferred correctly to the Official Use only box on the top of page 1. Do not put the grant amount requested into box 3 as that will make box 3 and 4's match totals different and points will be deducted for these boxes not matching. See page 2 of this document for description of hard vs. soft match.
- **Box 5-** Provide basic summary information about the objectives, application of the Colorado Statewide Forest Resource Assessment (select all landscape levels project area is within and the theme map referenced), expected outcomes including communities affected by project and acres to be treated, cost per acre and youth corps participation. Acres accomplished are acres actually treated and not acres affected.
- **Box 6 –** Briefly describe the area to be treated through the proposed project including watershed details (i.e. watershed location, proximity to critical water sources, level of community dependence, etc.) forest types, land ownerships, acreage for each landowner, and values at risk / to be protected. Be sure to describe how the project will address implementing the Colorado Statewide Forest Resource Strategy. ***Tip: projects proposed with willing landowners and specific locations identified, and dedicated matching contributions at the time of application deadline will compete best.***

- **Box 7** – Briefly describe the scientific foundation for the treatments outlined in the project. The scientific foundation should be substantiated by a reliable and professional resource with proper interpretation. Proposed treatments should be appropriate for the ecological conditions of the landscape and desired outcome of the project. Resources include publications such as CSFS guidelines and/or research articles, and the expertise of CSFS foresters, consultants or other professionals. Examples of CSFS guidelines are Best Management Practices, thinning standards, defensible space, mastication, etc. and may be found at <http://csfs.colostate.edu/pages/pub-csfs2.html>. Explicitly identify which publication, or professional technical resource, will be applied in project design and implementation.
  - **Box 8** – Describe how the project will improve the protection of water supplies, including water quality, water quantity and associated water infrastructure. Which water supply or water infrastructure?
  - **Box 9** - Outline the project's scope of work, including details on methods, locations and purposes for proposed treatments and specify a completion timeline. The scope of work should explain **exactly** how the grant dollars will be spent on this project. Unlike the overview, this will provide the specific details of the project. Remember to be concise. **Say exactly what will be done with grant funds** not what you expect the reviewer wants to hear. The project timeline should include such things as: begin/end dates, milestones, quarterly accomplishments, etc. to convey that projects will be completed within the allotted timeframe. Identify practice standards used to guide project design and implementation. Practice standards and other specifications will be the ruler to measure successful accomplishment of project.
    - *An example of a scope of work is:* A 300 foot wide fuel break 20 miles long will be created around the perimeter of Firesafe Village. A brush masticator will be used where possible and hand crews from the Firesafe Contracting service will complete the work in other areas. One hundred twenty-five individual lots will be treated using hand crews, creating adequate defensible space around the homes according to CSU Extension Natural Resources Series no. 6.302 Creating Wildfire-Defensible Zones. Grant funds will be used to create and distribute firesafe brochures in this and surrounding subdivisions.
  - **Box 10** – Provide details on how a variety of stakeholders were involved in the development of the proposed project and how such stakeholders will be engaged in the implementation of the project. Please specify if an accredited Colorado Youth Corps Association will be involved in the project implementation and provide details.
  - **Box 11** – Outline plans to maintain improved landscape conditions achieved through implementation of the proposed project.
    - *Some examples of clearly defined planned maintenance would be* – describing who would be responsible for planning and performing what project maintenance work in the future and how the work would be funded. What timeline would maintenance occur?
- 3) **Map:** A map of the project area must be included as an attachment to the application form. Photos are not to be included in the application or as attachments.
- Map must fit on a single 8 ½" x 11" page.
  - Include title, scale, north arrow, legend/appropriate labels.
  - Clearly outline specific project area. Reimbursements for funded projects will only apply to specific areas proposed in the completed application form.
- 4) Additional documentation may be requested and required prior to awarding successful project proposals.

## SCORING

➤ All grants will be scored based on the following:

Area covered by an <u>approved</u> Community Wildfire Protection Plan (CWPP)		Yes = Eligible for scoring	No = Ineligible
Meets the 60/40 match requirement		Yes = Eligible for scoring	No = Ineligible
Addresses Protection of Water Supplies		Yes = Eligible for scoring	No = Ineligible
Includes Ecological/Desired Future Condition Assessment		Yes = Eligible for scoring	No = Ineligible
Does the project involve an accredited Colorado Youth Corps in implementation?		Yes = 1	No = 0
1	Does the project address the protection of water supplies? (Note: preference will be given to projects that clearly define how they protect an identified water supply, watershed, or water treatment facility)	Best = 5	Least = 0
2	Does the project address additional objectives: reduce threat of large high intensity fires, preserve old and large trees, replant trees in reforested areas and/or improve the use of, or add value to, small diameter trees? (Note: preference will be given to projects addressing additional objectives and clearly describing how each additional objective will be addressed)	Best=4	Least=0
3	Is the project clearly identified on the map? (Note: preference will be given to projects with areas most accurately specified on map-consider scale, specific v. general area, proper labels, etc.)	Best=5	Least=0
4	In which priority landscape level is the project located? (Note: preference will be given to those projects in the highest priority forest landscape)	Highest=4	Lowest=0
5	Is this project achievable? (time, goals, budget, etc.-know the project period and secure contributor(s) commitment)	Yes = 1	No = 0
6	Is this project measurable with success clearly identified? (# of acres treated for restoration, fire risk reduction, water supply protection, etc.)	Best = 3	Least = 0
7	Does the project plan to accomplish treatments across large contiguous areas? (Note: defensible space projects are encouraged if contributing to a larger project and not stand-alone)	Best-5	Least=0
8	Is the applicant clearly showing collaborative elements and partners? (confidence level)	Best = 5	Least = 0
9	Does the project application incorporate and reference current scientific information, and discuss it correctly?	Best = 5	Least = 1
10	Does the project effectively leverage state funding?	Best = 5	Least = 0
11	Does the application address future maintenance to promote longevity of the project area-what is planned and budgeted to sustain benefits of restoration efforts?	Clearly Defined= 2	Mentioned not defined = 1

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### Application Due Dates

This 2010 Colorado Forest Restoration Pilot Grant Program application form must be used. This form can be downloaded from the Colorado State Forest Service website at <http://csfs.colostate.edu>.

The **FINAL** application form should be filled out and **submitted electronically** to Naomi Marcus at [naomi.marcus@colostate.edu](mailto:naomi.marcus@colostate.edu) by **4:00 pm MDT on Wednesday, January 26, 2011**. Submit application electronically by either (1) select the submit tab on the application form and it will automatically be sent, or (2) save your completed application form and attach it to an e-mail addressed to [naomi.marcus@colostate.edu](mailto:naomi.marcus@colostate.edu). E-mail project area map to Naomi Marcus. Be sure to specify **COLORADO FOREST RESTORATION GRANTS** and a single **PROJECT KEYWORD** in the e-mail subject line for map and/or completed application form.

Hard copy applications will not be accepted. Applications received after 4:00 pm MDT on Wednesday, January 26, 2011 will not be accepted. Incomplete applications will not be accepted. Contact [your local CSFS District](#) for additional deadlines if further assistance is necessary to prepare a successful grant proposal. Proposals will undergo reviews at the local district level and by a statewide interagency panel. All applicants will be notified of the status of their applications by May 2011.

**For Questions or More Information**

Naomi Marcus, Forest Management Division  
Colorado State Forest Service  
(970) 980 - 3184  
[naomi.marcus@colostate.edu](mailto:naomi.marcus@colostate.edu)



2010 HB09-1199  
 Colorado Forest  
 Restoration Pilot Grants

FOR OFFICIAL USE ONLY	
Entity Submitting Project:	
County:	Select one
Date:	
Dollar Amount Requested:	\$0
Matching Share:	\$0

Applicant Information	
1	Name of Project:
	Applicant:
	Contact Person:
	Address:
	City/Zip Code:
	Phone (Work/Cell):
	Email:
	Fax:

Community at Risk Information		
2	Community Name:	
	County:	Select one
	Name of CWPP	
	Location to obtain/review	

Grant Contributors (Matching Share)							
<i>(Applications will be disqualified if sufficient match is not identified) Please specify each match contributor and the dollar amount of each contribution. Please DO NOT show grant requested funds in this table. This is for matching share only.</i>							
3	Contributors: (Please specify)						TOTAL
	Dollars (Hard Match):						\$0
	In-Kind (Soft Match):						\$0
	TOTAL:	\$0	\$0	\$0	\$0	\$0	\$0

Total Project Expense (break down matching share totals from block three)				
	Grant Share (\$ Amount Requested)	Match (from block three)		TOTAL
		Dollars	In-Kind	
4	Personnel / Labor:			\$0
	Operating:			\$0
	Travel:			\$0
	Contractual Services:			\$0
	Equipment:			\$0
	Indirect Costs:			\$0
	TOTAL:	\$0	\$0	\$0

<b>Project Summary (check all that apply and answer related questions)</b>	
Addresses protection of water supplies? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Project based on ecological assessment of current conditions? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Project located within important forest landscape? <input type="checkbox"/> Very High <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low Select theme map(s) referenced: <input type="checkbox"/> Conserve Working Forest Landscapes <input type="checkbox"/> Protect Forests from Harm <input type="checkbox"/> Enhance Public Benefits from Trees and Forests	
<b>Project Objectives (check all that apply)</b>	
Reducing threat of large, high-intensity wildfires and the negative effects of excessive competition between trees by restoring ecosystem functions, structures, and species composition, including the reduction of non-native species.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Preserving old and large trees to the extent consistent with ecological values and science.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Replanting trees in deforested areas, if such areas exist in the project area.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Improving the use of, or adding value to, small-diameter trees.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Number of acres to be treated:	Estimated cost/acre:
Will the implementation of this project involve a contract with the Colorado Youth Corps Association or another accredited Colorado youth corps?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Communities directly affected by this project:	

5

6	<p align="center"><b>Project Area Description</b></p> <p align="center">All information for the project must fit into the allotted character space provided below.          Attachments will not be considered by the review committee. <b>Characters include letters, numbers, spaces, and punctuation.</b></p>
	<p><b>Provide a brief overview of the project, project area, and relevance to the Colorado Statewide Forest Resource Strategy. Specify size of project and land ownerships involved (e.g. private, county, state, federal, etc.). Include information on the relevant watershed. Submit a single one-page map of the project area (view instructions on request for proposal). 1,750 characters</b></p>
7	<p align="center"><b>Scientific Foundation</b></p> <p align="center">All information for the project must fit into the allotted character space provided below.          Attachments will not be considered by the review committee. <b>Characters include letters, numbers, spaces, and punctuation.</b></p>
	<p><b>Briefly describe the scientific foundation for the project, specifically the practice standards (e.g. forest management plan, CWPP, professional publications, other professional technical resources, professional foresters or other natural resource professionals) that will be applied to achieve the desired outcome of the project. 1,000 characters</b></p>
8	<p align="center"><b>Protection of Water Supplies</b></p> <p align="center">All information for the project must fit into the allotted character space provided below.          Attachments will not be considered by the review committee. <b>Characters include letters, numbers, spaces, and punctuation.</b></p>
	<p><b>Describe how the proposed project will contribute to the protection of water supplies, such as water quality, water quantity, and / or associated infrastructure. 700 characters</b></p>

9	<b>Scope of Work / Project Timeline</b> All information for the project must fit into the allotted character space provided below. Attachments will not be considered by the review committee. <b>Characters include letters, numbers, spaces, and punctuation.</b>
	<b>Provide a brief scope of work that clearly describes how grant funds will be spent. (This should be more specific than the project description) 1,500 characters</b>
	<b>Provide a timeline for the project, including significant accomplishment milestones. 500 characters</b>
10	<b>Collaboration</b>
	<b>Specify the private, local, tribal, county, state, federal, and/or non-governmental (501c3) organizations that participated in the design of this project and describe how such partners will contribute to, or participate in, the project's implementation. Specify the role of any Youth Conservation Corps that will participate in implementation. 1,000 characters</b>
11	<b>Project Longevity / Maintenance</b>
	<b>Clearly demonstrate the long-term benefits of the project, and who will provide what maintenance services. 500 characters</b>