

CSFS REQUEST FOR SUPPLIES OR SERVICES (other than GSA)

Doc. Nbr. 7962536

CSFS # 805 Rev. 02/04/05

**COPY**

Date: 1/13/16 ~ Requested By: Diana Selby ~ Resale to: CSFS Invoice #:

Vendor: Redstone Canyon Association ~  
 Attn: Phil Kestler ~  
P.O. Box 55 ~  
Masonville, CO 80541 ~  
 (PLEASE PROVIDE COMPLETE ADDRESS)

Ship To: CSFS Fort Collins District Office ~  
 Attn: Diana Selby ~  
5060 Campus Delivery, CSU ~  
Fort Collins, CO 80523-5060 ~  
 (PLEASE PROVIDE COMPLETE DELIVERY ADDRESS)

Reason for Vendor Selection:  Sole Source (attach completed Sole Source Justification Form)  
 Previous Supplier  
 Other

Terms: **ENCUMBERED**  
 01-21-16

Shipping Instructions:  
 FOB Fort Collins, Colorado  
 FOB

Delivery Date:

Deliver to:  
 Initials \_\_\_ Bldg \_\_\_ Room \_\_\_ Phone \_\_\_

#	Account	Subcode	Qty	UOM	Description of Supplies or Services	Unit Price	Item Total
1	5366950 ~	6693 ~	1 ~	.1 ~	Thinning, pruning, firewood removal		\$ 8,000 ~
2	'12CPG SFA CG3 PROJECTS UNDER				and chipping on 10 acres of area		
3	NORTHERN LA				in Redstone Canyon to improve		
4					road access (ingress/egress) and		
5					create shaded fuel breaks.		
6					PROJECT NUMBER 5314112-12-FC		
7					(NOTE: PROJECT MANAGER has authorized		
8					ENCUMBRANCE out of Acct. Nbr. 5366950		
9					SEE SPECIAL INSTRUCTIONS.)		
10					SCOPE OF WORK ATTACHED		

SPECIAL INSTRUCTIONS:  
 Please encumber  
 Note: different account # from  
 project # and Redstone Canyon

Expenditure Approval: Diana Selby ~  
 Authorized Signature: [Signature]  
 Date: 1/13/16 ~

Subtotal: \$ 8,000 ~  
 Discount: \$ —  
 TOTAL: \$ 8,000 ~

Association is proper name.

# Financial Assistance Program

## Cooperative Match Project

To be conducted by:

### Redstone Canyon Wildfire Mitigation Group

**Project Number:** 5314112-12 -  
**Estimated Project Cost:** \$16,000  
**Funding provided by CSFS:** \$8,000 -  
**Minimum Recipient Match:** \$8,000  
**Project to be completed by:** September 1, 2016

Based on the strength of the application submitted by Redstone Canyon Wildfire Mitigation Group, the Colorado State Forest Service is providing funding in the amount up to but not exceeding \$8,000 to accomplish the project described in the attached scope of work.

As the cooperator, Redstone Canyon Wildfire Mitigation Group, will be reimbursed for actual (hard dollars spent) costs incurred in implementing the project up to the amount listed above once the following requirements are met:

- Redstone Canyon Association*
- Complete work as described in "Attachment A" (scope of work).
  - Provide documentation that project funds have been matched at a minimum ratio of 1:1.
  - Complete and submit through the local CSFS District Office periodic Grant Report(s)/Reimbursement Request(s) using the form provided in "Attachment B", as needed, and a Final Report that provides details on expenditures and accomplishments as a result of this project. Submission to:

Colorado State Forest Service  
5060 Campus Delivery, Bldg. 1052  
Fort Collins, CO 80523-5060  
Attn: Diana Selby

- Certify that neither the cooperator nor any principals represented herein are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

This funding will remain available until September 1, 2016. It may be extended at any time at the discretion of CSFS.

As a representative of the cooperator, I have read and understand the conditions of participating in this cooperative match project.

**Cooperator Signature:** *Phil Kessler*

Date: *3/2/15*

**Mailing Address:**

*PO Box 55  
Masonville, CO 80541*

**Telephone Number:**

*970-282-1301*

**Email Address:**

*phil.pumagulch@gmail.com*

EXHIBIT A  
**Financial Assistance Program**  
**Cooperative Match Project**  
SCOPE OF WORK

**Project Number:** 5314112-12

**Cooperator:** Redstone Canyon Wildfire Mitigation Group

**Work to be completed:**

This project will augment approximately 100 acres of similar work done in 2010-15. Species composition and structure will be geared to species (mainly ponderosa pine) that are drought resistant and to develop a structure that is resilient to future fire disturbances. Thinning will take place 150 feet to each side of one 0.25 mile section, and 150 feet to one side of the next 0.2 mile section, of Red Canyon road, for a total of 0.45 miles of road and approximately 10 acres of area treated (there are already a few bare areas in these sections). Thinning will leave 15 foot clearance between crowns in some areas; in other areas thinning will follow consultant Dr. Rich Reynolds' of Rocky Mtn Res Station guidelines for ponderosa pine restoration for the Rocky Mountain area. Legacy trees will be left, with a "groupy - clumpy" prescription being implemented, which mimics natural stand conditions for ponderosa pine. This means 8 to 12 trees per clump, with a tree length separation between clumps. Trees will also be pruned up to 5 feet, leaving at least 1/3 live crown on small trees. Trees and branches will be manually hauled to the side of the road. On steeper ground, a contractor with a tractor and powerful skidding winch will be used to skid trees up slope. Trees greater than 6" in diameter will be bucked into firewood for residents to use. The smaller material left will be chipped and scattered by a contractor after completion of the thinning portion, sometime in late spring. Work by volunteers will take place during the winter months. \$5000 will be used to contract the chipping; \$2500 will be used to contract the tractor work; and \$500 will be used to for supplies (fuel, oil, and chain) for the chain saws provided by volunteers.

**Milestone dates:** Completion by September 1, 2016

**Standards or Guidelines:** Will meet CSFS guidelines appropriate for treatment.

**Project Period:** February 25, 2015 – September 1, 2016

**Funded Amount:** \$8,000

**Minimum cooperator match:** \$8,000

**Deliverables:** 10 acres of fuels treatments

**Project Types:** Hazard Fuels Reduction/ Fire Adapted Ecosystem Restoration

All work completed under this project must be certified as meeting minimum Colorado State Forest Service standards prior to any reimbursement being made to the cooperator. Attachment B to the project entitled "Attachment B, Grant Report/ Reimbursement Request, WSFM Competitive Grants" will be the document used to both request reimbursement and to certify that work has been completed to minimum standards.

Initials:

PK

# State Fire Assistance Grant Application

FOR OFFICIAL USE ONLY	
State Submitting Project:	
State Priority Number:	
Dollar Amount Requested:	<b>\$8,000.00</b>
Matching Share:	<b>\$8,875.00</b>

\*For guidance on filling in each box in this application, refer to the *Criteria and Instructions*

Applicant Information	
1	<b>Applicant:</b> Redstone Canyon Wildfire Mitigation Group
	<b>Contact Person:</b> Phil Kessler
	<b>Address:</b> PO Box 55
	<b>City/Zip Code:</b> Masonville, CO 80541
	<b>Phone (Work/Cell):</b> 970-282-1301 (Home)
	<b>Email:</b> phil.pumagulch@gmail.com
	<b>Fax:</b> N/A
	<b>Federal Tax ID\DUNS #:</b> N/A

Project Information	
2	<b>Name of Project:</b> Puma Gulch Rd Fuel Hazard Reduction 2016 Add-on
	<b>Community Name:</b> Redstone Canyon
	<b>County(ies):</b> Larimer
	<b>Congressional District:</b> 2
	<b>Latitude:</b> 40°34'38.6"N <b>Longitude:</b> 105°13'22.9"W

Total Project Expense					
3	Budget Detail (Provide additional information in Block 4)	Grant Share (\$ Amount Requested)	Match		TOTAL
			Dollars	In-Kind	
	<b>Personnel / Labor:</b>			\$7,750.00	\$7,750.00
	<b>Fringe Benefits:</b>				\$0.00
	<b>Travel:</b>				\$0.00
	<b>Equipment:</b>			\$1,125.00	\$1,125.00
	<b>Supplies:</b>	\$500.00			\$500.00
	<b>Contractual:</b>	\$7,500.00			\$7,500.00
	<b>Construction:</b>				\$0.00
	<b>Other:</b>				\$0.00
	<b>Indirect Costs:</b>				\$0.00
	<b>TOTAL:</b>	\$8,000.00	\$0.00	\$8,875.00	\$16,875.00

<b>Budget Narrative</b>	
4	<p>Details on each grant expenditure item:</p> <p>Contractual: \$5000 for chipping trees along Puma Gulch Road. These will be small diameter trees and branches cut and piled along the road by volunteers for the 10 acres. A contractor will be used to chip the material;</p> <p>\$2500 for tractor work for skidding steep terrain adjacent to the road. A skidding winch will be used. A contractor will operate the tractor.</p> <p>Supplies: \$500 for purchasing fuel, oil, and chain - volunteers provide their own chain saws. It costs about \$5 an hour to run the saws with chain, fuel, and oil.</p> <p>Other notes: In-kind contribution includes 350 hours of volunteer labor at \$22.14/hr. The 350 hours includes 100 hours of saw time with volunteers using their own chain saws valued at \$11.25/hour.</p>

<b>The Project</b>	
5	<p>This project will consist of fuel hazard reduction and creation of a shaded fuel break through restoration of ponderosa pine (10 acres). Project site covers an area .3 mile long and 300 feet wide (150 feet on each side of the road) of thinning along Puma Gulch Road in Redstone Canyon. Thinning and pruning will create both vertical and horizontal discontinuous fuels, such that the stand could not carry a crown fire under most conditions. Future wildfire would underburn and not damage the watershed. Fire fighters could utilize the fuel break to their advantage, such as setting a backburn. The strategic location of this fuel break offers enhanced safety for fire fighting access to a major ridge system that includes critical radio communication infrastructure.</p>

<b>Relation to Forest Action Plan/CWPP</b>	
6	<p>The community has an existing CWPP on-file with the CSFS. A high priority action item identified by the CWPP is the reduction of hazardous fuels and enhancement of defensible space. This project will augment work done in 2010-16. Effective fuels mitigation treatments will be implemented across adjoining private lands. Redstone Canyon is considered part of a Wildland Urban Interface. The overall purpose is to modify or break up the fuels in such a way as to lessen catastrophic fire and its threat to public and firefighter safety and damage to property. By carrying out these thinning treatments, future large, catastrophic wildfires can be prevented or reduced, as evidenced by the successful treatments adjacent to the 2012 High Park Fire. The shaded fuel breaks along Roan Mtn road reduced the severity of that fire.</p>

<b>Proposed Activities</b>	
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7	<p>This project will augment approximately 110 acres of similar work done in 2010-16. Species composition and structure will be geared to species (mainly ponderosa pine) that are drought resistant and to develop a structure that is resilient to future fire disturbances. Thinning will take place 150 feet each side of 0.3 mile section of Puma Gulch Road, for an approximate total of 10 acres of area treated.</p>
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Thinning will leave 15 foot clearance between crowns in some areas; in other areas thinning will follow consultant Dr. Rich Reynolds' of US Forest Service Rocky Mtn Research Station guidelines for ponderosa pine restoration for the Rocky Mountain area. Legacy trees will be left, with a "groupy - clumpy" prescription being implemented, which mimics natural stand conditions for ponderosa pine. This means 8 to 12 trees per clump, with a tree length separation between clumps. Trees will also be pruned up to 5 feet, leaving at least 1/3 live crown on small trees. Trees and branches will be manually hauled to the side of the road. On steeper ground, a contractor with a tractor and powerful skidding winch will be used to skid trees up slope. Trees greater than 6" in diameter will be bucked into firewood for residents to use. The smaller material left will be chipped and scattered by a contractor after completion of the thinning portion, sometime in late spring. Work by volunteers will take place during the winter months. \$5000 will be used to contract the chipping; \$2500 will be used to contract the tractor work; and \$500 will be used to for supplies (fuel, oil, and chain) for the chain saws provided by volunteers.

<b>Landscape</b>	
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8	<p>The Redstone Canyon area west of Ft. Collins is an unincorporated community in Larimer County. Redstone Canyon consists of approximately 85 residences on 170 lots that are 35 to 40 acres in size (6800 acres). A 7-mile county road (NCR 25E) provides access to Redstone Canyon in the bottom of the drainage, with up to 24 miles of privately maintained roads accessing homes on the upper slopes. Redstone Canyon has a severe community hazard rating by Poudre Fire Authority and is considered part of the WUI. Vegetation consists of ponderosa pine, juniper, and some Douglas-fir, with a mix of shrubs and grasslands, with dense regenerative tree growth which are prime ladder fuels for intense fire in the upper drainages. This project will augment completed work in 2010-2016 and extend our mitigation efforts to other areas to enhance defensible space, reduce fuel loads, and create fuel breaks. About 320 acres of the canyon was burned in the 2011 Crystal Mtn Fire and another 3800 acres in the 2012 High Park Fire adjacent to the proposed work site. Past work prevented loss of 4 homes and over \$500,000 in avoided suppression costs, and saved the electronic site on top of Horsetooth Mountain. In 2012 the Redstone Canyon Mitigators received a Larimer County Stewardship award for their work in the Canyon.</p>
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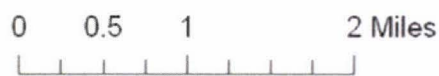
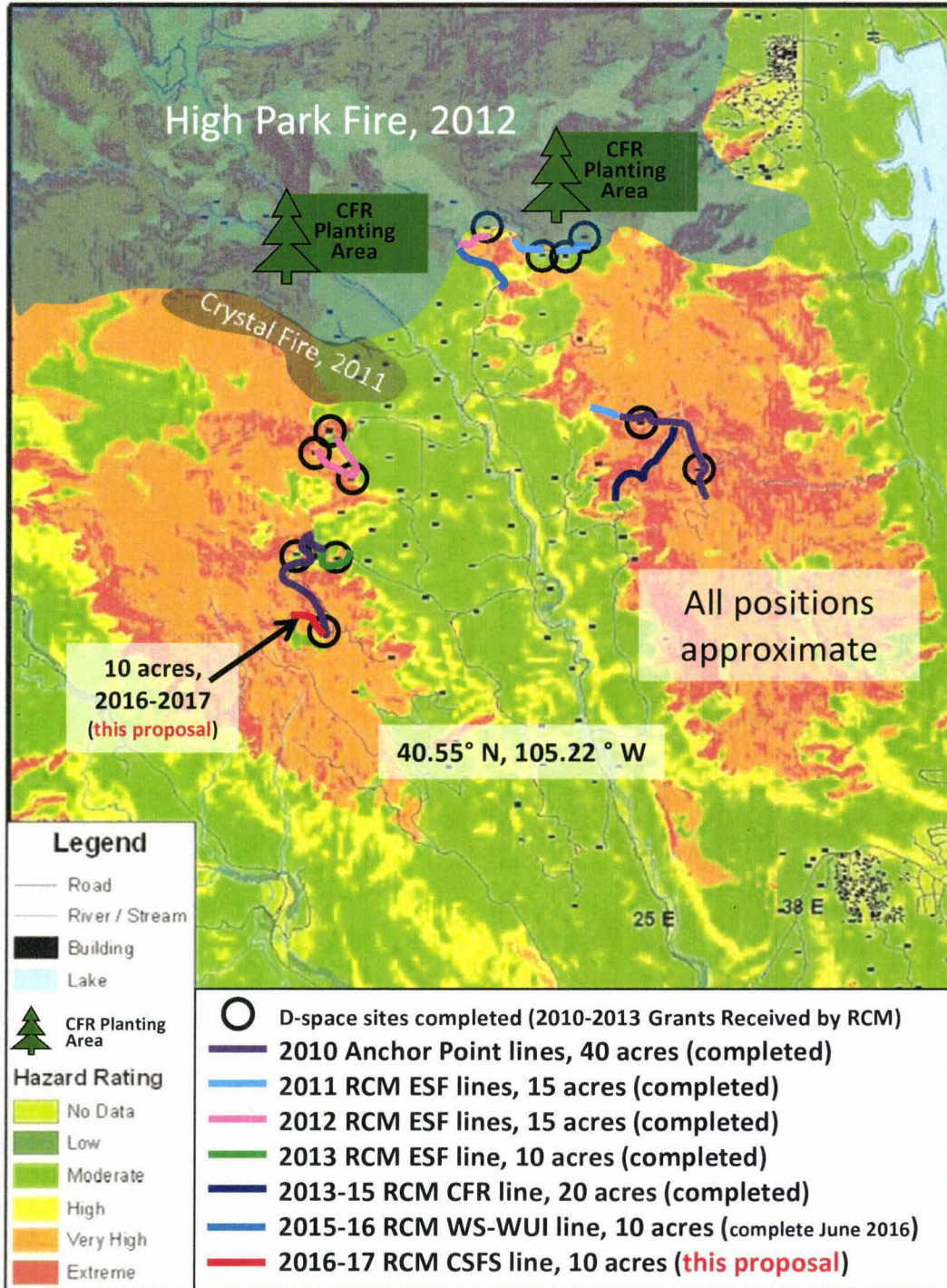
<b>Project Collaboration</b>	
9	<p>Several groups provide support for this project:</p> <ol style="list-style-type: none"> <li>1. Redstone Canyon Wildfire Mitigation Group (RCWMG) - This committee of residents plans, organizes, and coordinates the activities including meetings, newsletters, public education, website development (<a href="http://redstonemitigation.org">http://redstonemitigation.org</a>), enhancing defensible space, tree thinning, and hiring and directing contractor. The mitigators provides the person power for this project.</li> <li>2. Poudre Fire Authority - participates in the development of the defensible space prescriptions, supplies critical advice in the locating of fuelbreaks.</li> <li>3. Colorado State Forest Service - provides technical advice as needed (Diana Selby).</li> <li>4. US Forest Service - provides technical advice as needed (Dr. Rich Reynolds)</li> </ol> <p>Note: Redstone Canyon is within the proclaimed boundary of Arapaho-Roosevelt National Forest but the only work that occurs here is from private landowners using cost-match funds.</p>

<b>Project Timeline</b>	
10	<p>The project will start in December 2016, with the first session emphasizing safety and a job hazard analysis. Thinning, pruning, skidding, and piling along the road side will proceed by volunteers working on Saturday mornings through April, 2017. The contractor with the tractor will work alongside the volunteers during this time period. Chipping by a different contractor is expected to occur prior to or by July, 2017. A milestone and checkpoint will be the completion of the thinning before chipping occurs. If thinning is not to the standard for Colorado State Forest Service, additional work will be done before chipping occurs in order to comply with CSFS guidelines for thinning in WUI areas.</p>

<b>Project Sustainability</b>	
11	<p>This project will consider sustainability in the following areas:</p> <ol style="list-style-type: none"> <li>1) Environmental: The Redstone Mitigators will continue to learn and apply methods that restore ecological conditions, stabilize the watershed, and improve resiliency and resistance to future disturbances. In the short term, this area will be monitored and maintained by the Mitigators, including removal of new ladder fuels and dead trees.</li> <li>2) Education: The Mitigators will continue to educate and inform people about living with fire through personal interactions with local residents, provide help with individual and group fuels reduction efforts, and provide access to community members about living with fire through our Redstone Mitigators website (<a href="http://redstonemitigation.org/">http://redstonemitigation.org/</a>).</li> <li>3) Commitment and Monitoring: Although no formal landowner agreements exist for project maintenance in the future, the goal of the Mitigators is to create an on-going cycle of mitigation work within the canyon that serves as a demonstration project and success story for homeowners in WUI areas, reduces fuels and associated fuel hazard, and reduces fire severity in the event of a future fire. Fuel breaks will be monitored by the Mitigators. The Mitigators also encourage homeowners to improve defensible space around their homes.</li> </ol>

**ALL INFORMATION MUST FIT INTO THE BOXES PROVIDED. ATTACHMENTS AND/OR MODIFICATIONS WILL NOT BE CONSIDERED BY THE COMMITTEE.**

# Redstone Canyon Hazard Rating



Data: Poudre Fire Authority, 2006  
Larimer County, 2006

# 2016-2017 Redstone Canyon Mitigator Work Area (10 acres)

