

STATE LAND
DOW LEASED

US FOREST
SVC. LAND

CHEROKEE MEADOWS 2016

Properties with address numbers have a dwelling.
H2O TANKS are for firefighting use, not drinking water.





Colorado State Forest Service
Financial Assistance Program
Cooperative Match Project
SCOPE OF WORK

Project Number: 5314112-14

Cooperator: Cherokee Meadows Road Association

Work to be completed:

- Create fire breaks along 15+ miles of community roads.
- Create defensible space around selected dwellings and outbuildings via tree removal or pruned.

Milestone dates: Completion by April 1, 2019

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

Project Period: September 1, 2017 – April 1, 2019

Funded Amount: \$34,000

Minimum cooperator match: \$34,000

Deliverables: 55-^{ZM}75 treated acres

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. "CSFS Grant Reimbursement Package" will be the document used to both request reimbursement and to certify that work has been completed to minimum standards.

Initials:

JHS
ZM

CWPP
update

Cherokee Meadows
March 28, 2017

Introduction: The Cherokee Meadows Community Wildfire Protection Plan (CWPP) was originally created in 2007, was updated in 2009, 2010, 2011 with a full Revision in 2012. This CWPP with all updates and revisions has been developed by involved community members of the Cherokee Meadows Road Association, (CMRA), with guidance and support from the Livermore Fire Protection District (LFPD), Colorado State Forest Service; Fort Collins District, The Colorado Division of Wildlife, and the U.S. Forest Service. This CWPP was created according to the guidelines of *Preparing a CWPP, a Handbook for WUI Communities, March 2004*, and supplements several Larimer County documents. Please see the attached signature page of the CMRA CWPP update committee, CMRA President, LFPD Fire Chief, and agency reps.

This UPDATE document outlines our community CWPP Action Item accomplishments. The numbering system used coincides with the Action Items in our 2012 CWPP Revision document. In addition, see the Action Plan for 2017-2018 with many new objectives and action items. We have also updated the Firefighting capabilities of LFPD..

LOCAL PREPAREDNESS AND FIREFIGHTING CAPABILITIES: Initial response to all fire and medical emergencies within CMRA is the responsibility of Livermore Fire Protection District, (LFPD), with assistance from 8 mutual aid agencies.

1. Current LFPD capabilities include:
 - a. 23 active members
 - NWCG FF2'S = 2
 - MWCG Engine Boss = 2
 - Wildland Trained Firefighters = 19
 - NR Emergency Medical Technicians = 15
 - NR Paramedic = 1
 - b. LFPD STATION 1 Capabilities: Minimum Response time of 15 minutes
 - 1 TYPE 1 Engine
 - 1 TYPE 4 Tender, 1500 gallons
 - 1 TYPE 6 Engine
 - 1 Ambulance
 - c. LFPD STATION 2 capabilities: Minimum Response time of 10 minutes
 - 1 TYPE 1 Engine
 - 1 TYPE 4 Tender, 2000 gallons
 - 1 TYPE 6 Engine
 - 1 Rescue/Medical Support Vehicle
 - 1 Private TYPE 6 Vehicle
 - d. Additional Apparatus:
 - 1 MVA Response/Squad Vehicle
 - 1 TYPE 6 CAFS Truck
 - 1 Support Command Vehicle

This **CMRA 2017 CWPP UPDATE** is respectfully submitted by the Cherokee Meadows community. 4-17-2017.
Cherokee Meadows Road Association. P.O. Box 18, Livermore, CO 80536. Contact: Julia Schott 970-556-1400.

| # | Accomplishments from 2013 Action Plan | Action Plan for 2017, 2018 |
|---|--|---|
| 1 | <p>Defensible Space Around Homes/Outbuildings:</p> <ul style="list-style-type: none"> a. Many presentations have been made to CMRA landowners about creating and maintaining defensible space. Educational material given. b. LFPD Wildland certified personnel surveyed 6 properties and advised residents of how to lessen their wildfire risk. (Residents complied!) c. CMRA achieved FIREWISE COMMUNITY USA recognition in 2015. We continue to maintain with public outreach, education and communication. | <p>Defensible Space Around Homes/Outbuildings:</p> <ul style="list-style-type: none"> a. Continue to educate residents about defensible space b. Continue LFPD survey visits to properties as requested by owners to help identify any problem areas and to promote Defensible space compliance. c. Continue FIREWISE COMMUNITY USA activities. In 2017, CMRA has purchased and will distribute to every landowner, a copy of the insightful book <u>Surviving Wildfire</u>, and accompanying <u>Pocket Guide</u> by Linda Masterson. The CMRA Annual meeting will have a speaker about wildfire mitigation as a Firewise activity. More RSG evacuation bags will be distributed. |
| 2 | <p>Improve Options for Emergency Egress</p> <ul style="list-style-type: none"> a. Community Evacuation plan has been discussed. b. LFPD identified trees along CMRA roadways for removal or trimming. This work was performed by a timber professional, and it enhanced egress. c. Considering secondary evacuation routes through private property d. Educate residents to create easy access onto property for firefighting vehicles (Re: 1.b surveys). Residents should provide sufficient space for easy access & turn around for firefighting vehicles. Specifically, firefighting apparatus is difficult to back up in tight locations, so provide pull-through where possible | <p>Improve Options for Emergency Egress</p> <ul style="list-style-type: none"> a. Communicating with LFPD to create a viable Community Evacuation Plan to post on website b. Additional Brush & trees along the CMRA roadway easements will be removed to further benefit egress. Edge of roads will be mowed if possible. Plan is to create potential firebreak areas with our roads. c. Potential alternate (secondary) Emergency Evacuation routes recognized will be shared with residents at the annual meeting. Info also shared with LFPD and Larimer County Emergency Services. d. Continue to make residents aware of access around residences to assure space for fire fighting vehicles. e. During an emergency evacuation, place reflectors to locate the path of the alternate evacuation routes. |
| 3 | <p>Fuel Break activities on CMRA borders with public lands.</p> <ul style="list-style-type: none"> a. Significant progress has been made, especially on property bordering USFS land. b. CMRA used 2014 WUI grant funds for this project. | <p>Fuel Break Activities Where CMRA Borders Public Lands.</p> <ul style="list-style-type: none"> a. Continue to work on these targeted vulnerable areas. b. Continue to pursue grant opportunities to help fund fuel breaks, and wildfire mitigation activities. |
| 4 | <p>Encourage Private Landowners to Reduce Hazard Fuels</p> <ul style="list-style-type: none"> a. Owners have lessened fuels by removing dead/dying trees themselves or with Timber Professionals. Slash was chipped or safely burned with burn permit b. One CMRA resident, (who is a wildland trained firefighter), has agreed to allow a community slash-burn pile on his property. He safely burns the pile when the weather conditions allow. | <p>Encourage Private Landowners to Reduce Hazard Fuels</p> <ul style="list-style-type: none"> a. Owners will continue to lessen fuels by removing dead/dying trees, brush and by mowing tall grasses in yards and around buildings. b. Continue community slash-burn pile. Also, encourage the chipping of slash if possible. c. Emphasize SAFE open burning practices to all, but especially new residents. Include obtaining a permit, safe practices, optimal days, proper extinguishing. |
| 5 | <p>Assist LFPD in their Efforts to Protect our Community</p> <ul style="list-style-type: none"> a. A much closer working relationship was created between CMRA and LFPD. Many CMRA residents now volunteer for LFPD and are wildland trained. b. Numerous residents now have reflective address numbers posted at the entrance to their property. c. CMRA map was modified to include address information for residences, and the location of water sources for firefighting. (Cisterns & ponds). 4 water cisterns have been installed now in CMRA. d. Emergency air-landing sites available already. e. CMRA makes annual donations to LFPD. | <p>Assist LFPD in their Efforts to Protect Our Community</p> <ul style="list-style-type: none"> a. Continue to enhance the partnership with LFPD. Recruit more CMRA volunteers for LFPD. b. Continue to provide information to residents about the importance of reflective address numbers, and provide order forms to purchase such metal signs. c. Continue to keep the CMRA map updated. Provide GPS location information for water sources within CMRA, and provide that info to Livermore Fire dept. d. Develop a written agreement for the emergency use of water from ponds on Burk and Rash property. e. CMRA will continue to make annual donations to LFPD |

| | Accomplishments from 2013 Action Plan | Action Plan for 2017, 2018/ Action items |
|---|--|--|
| 6 | <p>Continue to Educate the Community about Wildfire Issues.</p> <ol style="list-style-type: none"> Residents have CMRA map, no evacuate routes yet. Ready-Set-Go (RSG) evacuation information provided to residents. All are encouraged to create a family evacuation and communication plan. CMRA website is updated, and contains valuable links to educational information about wildfire. CMRA has had wildfire knowledgeable experts speak at annual meetings. CMRA website has contact information for residents to seek further information about wildfire issues. | <p>Continue to Educate the Community about Wildfire Issues.</p> <ol style="list-style-type: none"> Finalize evacuation route plans/ provide to residents. Continue RSG plan and continue to provide evacuation information for residents and their livestock. Continue updating CMRA website, adding to the links. Once evacuation routes are confirmed, put on website Continue to have experts help educate residents by speaking at the annual meetings. Continue to have wildfire information available to residents. Provide handouts to all new owners. Educate residents about open burning, and about obtaining burn permits and guidelines to safely burn. |
| 7 | <p>Seek Out Funding Opportunities to Assist with Projects.</p> <ol style="list-style-type: none"> To date, CMRA has received \$117,000 in grant funds to carry out significant wildfire mitigation efforts. Grant funds have motivated landowners to engage ! Landowners have donated labor to help LFPD | <p>Seek Out Funding Opportunities to Assist with Projects.</p> <ol style="list-style-type: none"> Continue to apply for grants relevant to CWPP goals. Encourage landowners to donate funds or their efforts to LFPD to help further CMRA outreach projects and activities such as road-side clearing of brush. |
| 8 | <p>Keep CMRA CWPP Updated</p> <ol style="list-style-type: none"> CWPP has been discussed annually | <p>Keep CMRA CWPP Updated</p> <ol style="list-style-type: none"> Formal updating of the CMRA CWPP with a committee meeting to review past accomplishments and set new goals for the community. (3-28-17) |
| | | NEW CWPP OBJECTIVES/ Action items 2017-18: |
| | | <p>Communication</p> <ol style="list-style-type: none"> Provide CMRA residents with information to register their phones with LETA to receive emergency notices. Consider enhancing emergency communications via Larimer Connects. (New program being implemented) |
| | | <p>GPS Mapping</p> <ol style="list-style-type: none"> Identify location of firefighting water cisterns/ponds with GPS coordinates, and provide this information to LFPD and Larimer County Emergency Services. Determine GPS coordinates of all residences in CMRA to be used in the event of no address signs present. Develop a plan to easily identify which residences have been evacuated in emergencies (Tag system??) |
| | | <p>Enhance Firefighting Capabilities</p> <ol style="list-style-type: none"> Add water storage cisterns at key intersections to enhance firefighting access to water, (@ intersection of Cherokee Meadows Rd & Running Deer Rd, and Haystack Gulch Rd? Possibly more in Sect 35?) Identify private water storage cisterns within CMRA. At annual meeting, ask residents if they have a cistern, and gain approval for this cistern water to be used for firefighting. Pinpoint these & all water sources with reflective signs to direct firefighters to the source. Create more and larger pull-outs on the CMRA roadways to enable cars and firefighting apparatus to safely pass each other, especially where road shoulder drops off steeply. This is crucial for emergency ingress and egress situations. ! |

2017 UPDATE Community Wildfire Protection Plan

CMRA/LFPD DEFENSIBLE SPACE EVALUATION. _____ DATE: _____

APPROACH: Reflective address sign _____ Width/clearance _____ Turn around _____

Comment _____

LOCATION: Position of structure _____ Overall Fuel complex _____ Water supply _____

Comment _____

ROOF: Material & condition _____ Gutters _____ Litter on roof, gutters, crevices _____

Comment _____

ROOF TO GROUND: Eaves/soffit/vents _____ Windows _____ Walls _____ Decks _____

Fences _____ Combustibles near structure _____ Apron within 5' of foundation _____

Comment _____

LANDSCAPE WITHIN 30': Veg. type, spacing & maintenance _____ Firebreak areas _____

Comment _____

LANDSCAPE 30-300': Veg type, spacing & maintenance _____ Propane tanks _____

Canopy ht & crown spacing _____ Firebreak areas _____

Comment _____

OTHER: Nearby outbuildings _____ Special hazards (fuel tanks, power lines) _____

Pets/Livestock _____ Vehicle storage _____ Overall property condition _____

Evacuation plan? _____ Other concerns _____

Estimated Risk: High__ Medium__ Low__ Why? _____

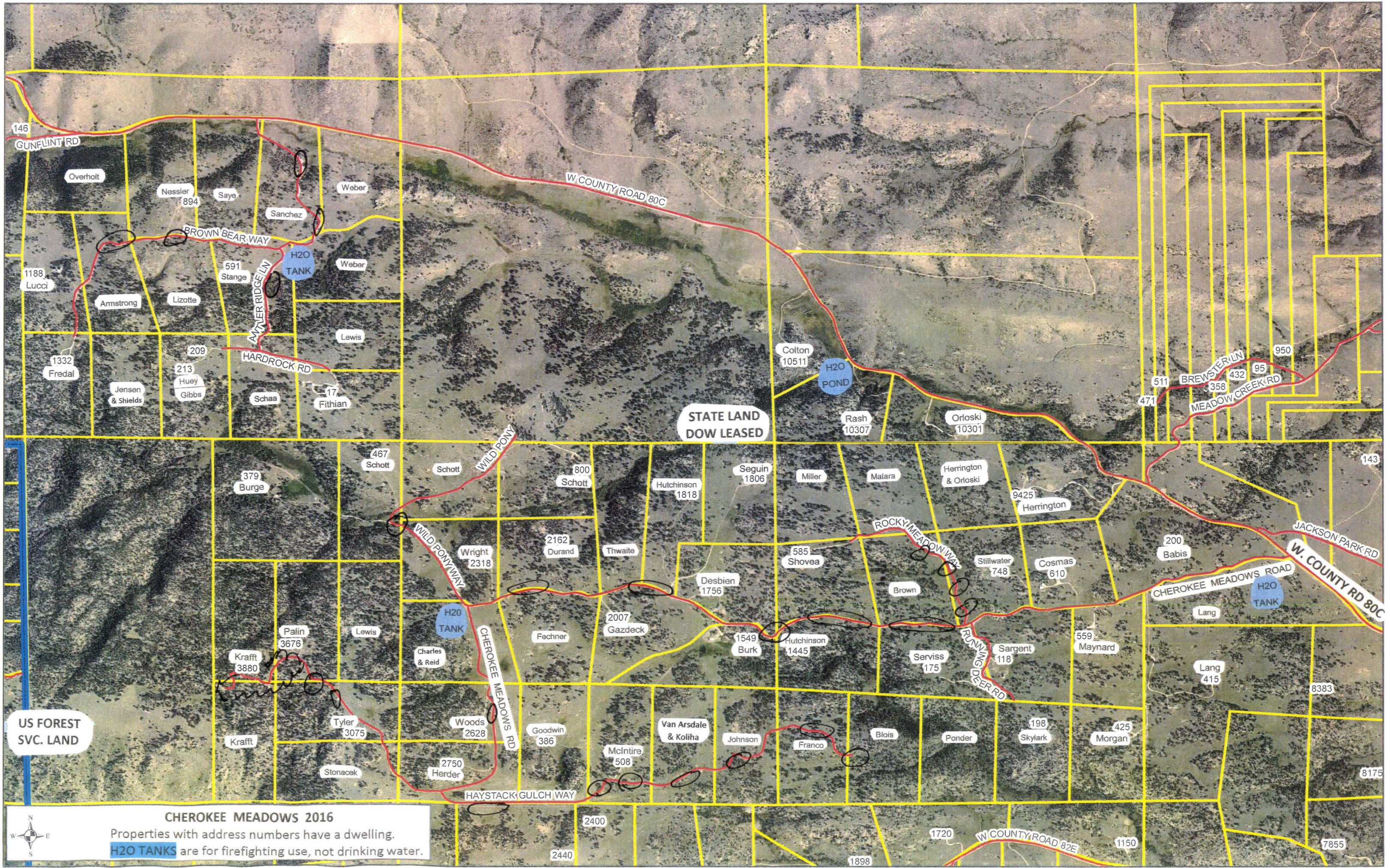
Home Wildfire Assessment and Mitigation Guide

| Findings | Mitigation Recommendations |
|---|----------------------------|
| 1. Approach | |
| Address sign, driveway width and clearance, gates | |
| Turn-around area | |
| 2. Location | |
| Position of structure relative to severe fire behavior associated terrain | |
| Overall local fuel complex. | |
| Water Supply | |
| 3. Roof | |
| Roof: Material type, overall condition (missing shingles, gaps, openings) | |
| Gutters: Material (combustible non-combustible) | |
| Litter on roof, gutters, crevices | |

| 4. Roof to Ground | |
|---|----------------------------|
| Findings | Mitigation Recommendations |
| Attic, eaves, soffits and vents | |
| Windows (double pane, heavy curtain non-combustible screens, nearby vegetation) | |
| Walls and attachments (combustible, can they collect litter?) | |
| Decks (material, attachments ground underneath) | |
| Fences | |
| Easily combustible material on or near structure | |
| Corners or cracks where litter or embers can collect | |
| Ground within 5' of foundation | |
| Flammable material near structure | |

| Findings | Mitigation Recommendations |
|---|----------------------------|
| 5. Immediate landscaping surrounding area within 30' | |
| Vegetation type, spacing and maintenance | |
| Firebreaks areas | |
| 6. Landscaping 30-300' | |
| Vegetation type, spacing and maintenance | |
| Canopy base height and crown spacing appropriate to terrain and fuels | |
| Propane tanks | |
| Firebreak areas | |

| | Findings | Mitigation Recommendations |
|--|-----------------|-----------------------------------|
| 7. Other | | |
| Nearby out buildings | | |
| Special hazards (Fuel tanks, power lines, other) | | |
| Pets and Livestock | | |
| Vehicle storage | | |
| Overall property condition | | |
| Other Concerns: | | |



CHEROKEE MEADOWS 2016

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H2O TANKS are for firefighting use, not drinking water.



Dear Zach,

10am works for me. If we met at my house, we can look at map & paperwork before driving around. My house is about an hour from FC. Address is 800 Wild Pony Way....but, unfortunately, that road name does not exist on Google maps on the phone. My phone number is 970-556-1400 if you get lost.

Directions: US Hwy 287 to CR 80C (3 miles N of the road to Red Feather). Go 8.5 miles up CR80C to Cherokee Meadows Road. (Numerous mailbox pedestals there). Go west on Cherokee Meadows Road for about 3 miles until you reach the intersection with Wild Pony Way. Turn right on Wild Pony, and go 1 mile to our place. Keep bearing right on Wild Pony, as you will pass 2 other driveways on the left before # 800.

See you in the morning !

Best,
Julie

**Financial Assistance Program
Cooperative Match Project**

To be conducted by:

Cherokee Meadows Road Association

| | |
|------------------------------------|---------------|
| Project Number: | 5314112-14 |
| Estimated Project Cost: | \$68,000 |
| Funding provided by CSFS: | \$34,000 |
| Minimum Recipient Match: | \$34,000 |
| Project to be completed by: | April 1, 2019 |

Based on the strength of the application submitted by Cherokee Meadows Road Association, the Colorado State Forest Service is providing funding in the amount up to but not exceeding \$34,000 to accomplish the project described in the attached scope of work.

As the cooperator, Cherokee Meadows Road Association, 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:

- A. Complete work as described in *The Scope of Work*
- B. Provide documentation that project funds have been matched at a minimum ratio of 1:1.
- C. Complete and submit through the local CSFS District Office periodic Grant Report(s)/Reimbursement Request(s) using the form provided in "*CSFS Grant Reimbursement Package*", 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: Zach Mellema

- D. 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 April 1, 2019. 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: Julia Schett for CMRA board

Cooperator Signature: Julia H. Schett Date: 8/25/2017

Mailing Address:
CMRA P.O Box 18, Livermore, CO 80536

Telephone Number: 970-556-1400
Email Address: livermoregrants@gmail.com

SFA-WUI FY 2018 Pre-Proposal Narrative Form

Please complete the sections titled Box 1 through 11. These boxes correlate to the sections in the final proposal template.

Box 1:

CSFS District Contact Information (name, title, email, phone, address):

Zach Mellema, CSFS Assistant District Forester, Fort Collins District. 970-491-8839
zachary.mellema@colostate.edu 5060 Campus Delivery, Fort Collins, CO 80523

Cooperator Contact Information (name, title, email, phone, address):

Julia Schott, Volunteer grant mgr. Cherokee Meadows Road Association, (CMRA) 970-556-1400
livermoregrants@gmail.com CMRA P.O. Box 18, Livermore, CO 80536

Box 2:

Project title: Cherokee Meadows Road Association (CMRA) Fuel Break/Forest Health project FY 2018

Names of affected communities (towns and or names of subdivisions): Cherokee Meadows subdivision, and surrounding area. (Estimated affected area is 4200 acres in size). Watershed directly affected is the North Poudre River/Halligan Reservoir with drainage into the Platte River Basin.

Counties: Larimer

Congressional Districts: 04

Box 3 – Budget Template

Do not provide any narrative for this section. Complete the attached Excel Budget Template. The total cash requested must be no more than \$245,000.

Provide detail for all expenses such as personnel/labor/fringe, travel, equipment rental, supplies, funds for hiring contractor (listed as contractual), etc.

Match – SFA WUI grants require a minimum of 1:1 match. Match shown on the budget cannot come from a federal source and needs to be for work dedicated to the project. Cash match is defined as actual dollars spent on the project (non-federal only). In-kind match is defined as services dedicated to specific project activities valued at the current volunteer rate. Both types of match should be reflected on the Budget Grid. The *CSFS Guidance for Allowable/Unallowable Costs for Reimbursement and Match* document provides more guidance on what is allowed as match.

Box 4 - Budget Narrative - Provide specific details for the **expenses** included in the Excel Budget Template. Do not describe matching funds. These will be described in Box 9. Be specific about each cost and which partner will incur each expense.

The Cherokee Meadows project will reduce hazardous fuels with the goal of creating effective fuel break areas within the subdivision to lessen the risk of catastrophic wildfires and enhance evacuation. A professional timber company will be contracted with to perform the majority of the work with residents. CSFS "Fuel Break Guidelines" will be our template for work.

Supplies: flagging, tree paint, publications for educational purposes, printing, - \$900

Contractual: Grant funds will be passed through and used by landowners and communities to hire contractors, equipment rental such as chippers, do the work themselves - \$ 33,100.00

No travel or fringe benefits are anticipated.

PLEASE KEEP ANSWERS FOR BOXES 5 – 11 TO ONE PAGE ONLY

Box 5 - Project Area Description and Challenges - Give an overview of the project, describe the hazards, describe why the project area was chosen (why it is different, unique, important), and clearly show the need for work in this area. If applying for a fuels reduction project, describe the vegetation types. It is important to define the problems and challenges so when you get to Box 7 you are clearly stating how the funding will be used to address the challenges. Describe the project benefits to land and people – direct and indirect.

The Cherokee Meadows Fuel Break/Forest Health Project FY 2018 is a project which will help protect the residents, infrastructure and water quality of our community located in the mountainous area NW of Fort Collins, CO. The project will have numerous positive impacts. Initially, the project will create fire break areas along the 15+ miles of community roads, which are bounded on both sides by hazard fuels such as conifers, junipers, and bitter brush. In the event of wildfire, fuel breaks in these areas will lessen the risk of wildfire spread, and will improve emergency routes used for resident evacuation, firefighters to have safe ingress into the area. We are working closely with the Livermore Fire Protection District Wildland Fire specialists identify areas where most work is needed to remove trees, and thin other trees to a healthy canopy outcome. Secondly, the project will include defensible space work around dwellings and outbuildings. This includes removal of close proximity trees and vegetation, thinning trees, ladder fuel removal, and educating residents to maintain this in the future. Overall treatment of estimated 55-75 acres.

Cherokee Meadows is located in the WUI, and CSFS Wildfire Hazard Ratings map identifies our area as moderate to very high Wildfire Risk rating. Our forests are mostly Ponderosa Pine, mixed conifer, with aspen trees in the riparian areas. Recent droughts and an especially dry past winter have stressed trees.

Challenges that CMRA faces begin with our location adjacent to USFS land, and State School land where past pine beetle epidemics have left behind a significant amount of hazard fuels that increase our risk. In the past 2 years, at least 6 significant wildfires have occurred within 8 miles of our community. The forests of CMRA have a significant potential for high intensity wildfires. The risk is ever present, and the more proactive we are, the better we and the forests will survive.

Box 6 - Relation to Forest Action Plan | CWPP - Clearly describe how the project fits into the specific goals of the FAP; the national goals of Enhancing, Protecting and or Conserving; and specific CWPP goals and objectives. It is important to describe how the project meets the goals of these planning documents. Do not provide page number references; describe how the project relates to both documents. [See FAP here](#).

The Forest Action Plan describes focuses on Conserving, Protecting and Enhancing forests. Enhancing is most aligned with our project, as it includes assisting communities in planning for and reducing wildfire risks. Overall improvement in forest health will also occur with our project. Our community values our forests, and we are willing to work toward the same goals that are presented in the FAP.

Cherokee Meadows Road Association, (CMRA), created our first Community Wildfire Protection Plan in 2006. It underwent many updates, with a major revision in 2012, and the most recent update in 2017. The CWPP has been a valuable tool to help guide our community, and many action items have been accomplished in the past 11 years. In 2014, CMRA achieved FIREWISE COMMUNITY USA recognition, which is updated annually. We participate in the Ready-Set-Go program, etc.

The projects outlined in this grant pre-application are listed as ACTION ITEMS in the past, and current 2017 update of our CWPP. CMRA was able to gain a wildfire survey and consultation from a Wildland Fire specialist, (trained at CSU and now employed as a USFS wildland Fire Crew Boss in Palouse, ID). That survey identified a large positive impact from creating effective fire break zones by expanding the forest treatment adjacent to existing CMRA roadways. These zones could slow down spread of wildfire, and aerial firefighters could use these road-fire-breaks to lay down fire suppressant, as was helpful in Redstone Canyon subdivision during the High Park Fire. Fire Breaks along roadways would make for safer resident evacuations and would greatly enhance firefighter ingress. The Wildland Fire experts on the Livermore Fire Dept will help identify trees to be removed and trimmed, and a timber professional will be contracted to do the work and reduction of the resulting slash.

Part 2 of the proposed project is also another Action Item on our CWPP. Enhancing defensible space around dwellings is important to do. Surveys by wildland fire specialists will be done at residences, and educational material provided. The grant project will use contracted timber professional to do tree trimming, removal and chipping or mastication of slash at residences where defensible space work has occurred.

Box 7 – Proposed Activities - Clearly explain exactly how the grant dollars will be spent on this project and outline what will be accomplished. Use measurable units where applicable. Specify the location of the project, how many communities, the names of the communities, total acreage, and identify how many people will be directly and indirectly impacted. Describe treatment methodology, vegetation type, and who will be doing the project work.

The modest amount of Grant funds requested will be spent largely on contractual costs to hire a timber professional to do the tree work and reduce the slash via chipping or mastication. Some of the tree work is with hand crews, others with mechanized equipment. Landowners may assist in this work on their properties. Supplies will be used to identify the trees for treatment, and for educational publications for landowners. The location of the projects is within Cherokee Meadows subdivision, and adjacent “unorganized” private properties that we have worked with in the past on wildfire mitigation efforts. This area is adjacent to where CSFS has done hazard fuels reduction work on the State School land. CMRA residents are ambitious, and have amassed numerous hours of in-kind labor during past grant-matching events, as well as contributing cash match via the hiring of timber professionals to do work on their properties. Cherokee Meadows board has contributed cash to past grant match endeavors and maintains a website where educational info is available.

Regarding fire breaks along CMRA roadways, the majority of vegetation is Ponderosa Pine, with juniper trees, and bitter-brush to be removed. The total acreage of 55-75 is based on a span of 30' on both sides of 15 miles of roadways within CMRA. In addition would be the acreage affected during defensible space work at residences. Defensible space work includes removing and trimming trees, removing brush, etc. Attention will be paid to removing trees elsewhere on properties which are dying due to infection by the Red Turpentine Beetles. Overall forest health will be a focus of the work.

Box 8: Landscape - Describe the landscape this project influences. Show how the project has or will have impact outside the immediate project area. For example, a project in a community may compliment a USFS project to create a fuel break around your community defensible space project. Give specifics on how this project will tie into the larger picture of community protection or education. For information/education and/or planning projects, explain how your project compliments or enhances those by other agencies or groups and/or ties into a greater goal. Explain the who, what, when, where, why and how of its anticipated impacts. Note, be specific when naming USFS, private, or other related projects. Include information on the broader acreage, number of communities, or other CWPPs that this project will connect with. Think global (watershed) not local (subdivision).

Cherokee Meadows has engaged in wildfire mitigation work for years largely in areas densely forested with Ponderosa Pine and Douglas Fir trees that happen to be adjacent to where the subdivision borders USFS and State lands. Initially the work was to remove pockets of dead beetle-killed trees, and the work evolved into some fire-break areas which will be advantageous in the future. Unfortunately, very limited mitigation work has been done by USFS or Colorado on the adjacent public lands, so we don't have that to build upon.

Cherokee Meadows subdivision has included adjacent properties into our CWPP. (These are individual private properties who do not have their own CWPP). The project we propose could have a positive effect on the nearby community of Upper Cherokee Park, who also has a CWPP. The recent Starwood fire was very close to this area.

The projects that are proposed herein will have a very large impact on forest health and on lessening the risks associated with catastrophic wildfires in our areas. The fuel break areas along CMRA roadways will make an enormous difference in the spread and severity of wildfires in our area. This positive effect extends to adjacent properties, Upper Cherokee Park, Phantom Canyon, the County Road 80C corridor, Halligan reservoir and the watershed that feeds the Platte basin. The firefighters and property owners alike will have safer ingress-egress on the our roadways. The project work will create a scenario which will be easy to sustain in the future.

Box 9 - Project Collaboration - Describe the contributions each partner will make to the project by stating the collaborating partners name and what the specific activities they will be contributing to the project such as labor, equipment, matching funds, etc. This should include the partners listed in Box 3/Budget Template (matching share). The partner list needs to state what they are contributing – the specific activity AND the dollar values of the activity. All items listed as match in this section MUST equal the match listed in the budget grid (Box 3/attached Budget Template).

The project will be a collaboration of volunteer efforts of Livermore Fire members, Landowners of the Cherokee Meadows subdivision and adjacent properties, The CMRA board. These last two factions will provide the \$15,200 in cash match for the grant, as well as \$18,800 equivalent of in-kind labor. CSFS will provide advice. A timber professional will be doing the work as contractual. Numerous past positive SFA grant performances by Cherokee Meadows shall serve as evidence of our commitment to ongoing wildfire mitigation work. As mentioned earlier, CMRA has an ambitious group of proactive property owners.

Box 10 - Project Timeline – Provide a concise timeline for the significant activities, broken down by year, included in *the Proposed Activities* section including: begin/end dates, milestones, annual accomplishments, deliverables (e.g. number of homes with defensible space completed per year, number of community meetings held with # of attendees at each), and who is responsible for each activity.

YEAR 1 (2017-18)

- Finalize paperwork and project details months 1-2
 - Project layout completed - months 2-3
 - Coordinate 2 meetings between cooperators- months 3-4
 - Monitoring (pre-treatment)- IDENTIFY TREES TO BE TREATED. months 3-8
 - Contracting- competitive bid process, hire contractor(s), collect damage deposit- months 5-6
 - Begin project implementation by contractor(s) (weather dependent)-months 6-8
 - Project implementation (weather dependent)-months 8-12
 - Interim reporting-months 11-2
- Seasonal Target: 30 acres completed*

YEAR 2 (2018-19)

- Project implementation -months 1-12
 - Interim reporting months 11-12
- Seasonal Target: 75 acres completed*
- If the scope and actions related to the projects are fulfilled within this time period, final reports will be prepared.*

YEAR 3 (2019-20) (unless completion has occurred earlier than expected.)

- Final paperwork processing months 1-2
 - Monitoring (post-treatment)- months 1-2
 - Final report submittal months 2-6
- Goal: Process & submit final paperwork*

Box 11 - Project Sustainability - Clearly describe the who, what, when, where and why of how this project will remain effective and be sustained over time for each of the four elements below. When answering, be concise and provide only relevant details.

1 - Environmental Factors (vegetation regrowth): describe the maintenance requirements unique to this project based on site characteristics i.e., present and future vegetation occupying the site, growth rates, natural fire return intervals or any other environmental factor that affects the continued maintenance of this project

The Fuel Break along roadside project will be sustainable for estimated 20 years and will not need much maintenance in the first 5+ years in particular. The vegetation along roadways is largely slow-growing Ponderosa Pine. Branches will be slow to overgrow road, and seedlings are slow to reach a size that constitutes a hazard. The few Juniper trees removed in the project are not likely to re-grow within the first 5 years if at all. Bitterbrush, once removed is extremely slow to re-grow. The cleared area will be easy to monitor by representatives of the CMRA board and Livermore Fire who travel the community roads daily. Small volunteer crews of residents will be able to keep the fire break area clear. This project of maintaining a clear fuel break zone will remain an action item within our CWPP.

2 - Education (programs and methods): describe how landowners have been trained and educated to **maintain the project** and explain their understanding of the needs and expectations for the project's maintenance. If this is an information/education project, make sure to explain how it will be delivered, the audience you are targeting, and specific deliverables.

Cherokee Meadows has delivered educational material to the landowners of our community for many years...included are all the relevant publications available through CSFS. FIREWISE COMMUNITY USA educational publications have been given to all landowners, as well as Ready-Set-Go preparedness information. Larimer County Emergency Preparedness information has been given to all residents. The education continues, as CMRA engages the services of wildfire savvy guest speakers to address annual meetings. Firewise Community activities enhance the education. This year, copies of the book Surviving Wildfire by Linda Masterson have been purchased and given to every landowner in Cherokee Meadows.

3 - Commitment: describe the commitment by the individual/community to maintain this project into the future, i.e. state laws, CWPP maintenance, signed landowner agreements or other documents or agreements that hold the sub-grantee accountable for project maintenance over time. If this is an information/education project, make sure you explain the commitment to carry this program forward and update as necessary.

Cherokee Meadows has a history of commitment toward wildfire mitigation efforts and successful prior grant completion. We have a longstanding and active CWPP, FIREWISE COMMUNITY USA recognition, and we are forever seeking opportunities to enrich our landowners understanding of how they can participate in lessening the risks of wildfire. The cooperater (volunteer grant manager) is a permanent resident of Cherokee Meadows, is a member of the CMRA board of directors, and is active as a logistics member of the Livermore Fire Protection District. She epitomizes the commitment of the community.

4 - Monitoring: describe who will be responsible for monitoring the project, what qualifications they have if they are not obvious (i.e. State Forestry personnel, Fire Safe Council member, Fire Department personnel, etc.), and at what intervals they will be checking (i.e. yearly, quarterly, etc.); clearly describe timelines, and milestones.

The project completion will be evaluated for effectiveness by Livermore Wildland Fire specialists. CSFS will be consulted for advice. Cherokee Meadows board members as well as fire dept, members travel the affected roadways and will be monitoring frequently. The overall project will be evaluated annually as part of the review of Action Items on our CWPP. If maintenance needs to occur, that will be scheduled by the CMRA board from community resident volunteers, (to follow up with CWPP action item compliance). This will be every 1-2 years.