

Sunshine Fire Protection District – 2023 CWPP Project List

2023 CWPP Project List

The project list is the result of the March 21, 2023 CWPP Committee planning meeting.

1.0 Fuels Mitigation - Community Chipping Events

The Community Chipping events continue to be a very successful way to encourage residents to maintain their D-space and fuel breaks. We have held both Spring and Fall Chipping Events since 2015 with good participation in both events.

Project Details: Spring and Fall chipping events with an estimated cost of \$9000/event for a total cost of \$18,000 for the two events.

Est. Cost for 2023 - \$18,000

2.0 Pressurized (Gravity Fed) Wet Hydrant on County Rd. 83

This project covers the installation of a pressurized (gravity fed) hydrant on County Rd 83. Location would be ~200' south of the Misty Vale intersection. The hydrant would be fed from the 130,000 gallon cistern located at Station 2. Initial work would entail planning and development of the project scope and cost estimate. Assuming that cost comes in close to expectations then project work would proceed. This project was discussed in Section 8.7 Emergency Water Sources of the 2013 SFPD CWPP document and was submitted by Sunshine FPD in the Boulder County Emergency Planning document.

Project Details:

- In 2022 SFPD contracted with Flatirons Survey to write the legal description for the area to the west of CR 83 where we will be placing the hydrant. We were provided an easement by the landowner at 280 CR 83 for the placement of the pipe and the hydrant and the easement has been filed with BOCO County Clerk.
- Engineering work to plan the project
- Discussion with Boulder County Transportation on requirements for building a turnout on County Rd 83 and placement of fire hydrant
- Put together bid package for the installation of the pipe and hydrant
- Go out for bids and award contract
- Proceed with project

Est. Cost for 2023 - \$50,000

3.0 Fire Cistern for Whispering Pines

Whispering Pines does not currently have a dedicated water supply for firefighting. The driveway is such that a tanker relay is not practical. We are waiting for the outcome of a Community Wildfire Defense Grant application which would cover 75% of the project cost. Assuming the grant is awarded, the work for 2023 will be to finalize the location for the cistern, get a survey done of the cistern site, get an easement for the cistern and submit a Limited Impact Special Use Review application to BOCO. It should be assumed that the Limited Impact Special Use Review and getting the Building and Grading Permits for the project will take approximately one year.

Project Details:

Work items for 2023 include:

- Determine cistern location
- Do work necessary to submit for Limited Impact Special Use Review and the Building and Grading Permits.

Est. Cost for 2023 - \$2000 (total project cost estimated to be \$108,000 assuming a 20k gallon fiberglass cistern)

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4.0 Sign Maintenance Project

The sign maintenance project is a yearly project to replace signs that have been damaged during the past year.

We will need volunteers to do the project for 2023.

Est. Cost for 2023 - \$300

5.0 Mine Lane Egress Road Maintenance

This project is part of the ongoing maintenance of the Mine Lane egress road that goes between Sunshine and Boulder Heights. In the past, the costs have typically been shared between Sunshine FPD and Boulder Mountain FPD

Project Details: Repair as needed

Est. Cost for 2023 - \$500

6.0 Hazardous Tree Removal Along District Roads and Powerlines

There are a number of dead and dying trees located near district roads. These represent a threat for safe egress along the roads and a threat of wildfire should a tree take down a powerline in a windstorm. This project will provide a financial incentive for the property owner to remove the hazardous trees by providing funding for the removal of the tree. The funding amount will be 90% of the cost of removal which is a similar match amount to those property owners that took part in the shaded fuel break along district roads project. Since SFPD is funding the majority of the project the district will hire the contractor to do the work and will be paid a donation equal to 10% of the cost of the project.

Est. Cost for 2023 - \$2400 (Assume 6 trees, \$400/tree)

7.0 Hazard Tree Removal Along Egress Routes

Besides state/county roads, there are two other defined egress roads in the district. One is at the top of Sunshine saddle which goes to Mine Lane, Boulder Heights and the Boulder Mountain Fire District. The other is the driveway to the Star House which continues on to Pine Brook Hills and the Boulder Mountain Fire District. Both roads are gated and used for emergency egress only. This project would perform hazard tree removal along these roads to help ensure that there is no blockage on the roads due to wind-blown trees.

Project Details:

Inspect and remove hazard trees as required.

Est. Cost for 2023 - \$1000

8.0 Wildfire Partners Matching Funds

The Four Mile Canyon Fire final report clearly stated that the single determining factor in home survivability in the wildfire was the characteristics of the home ignition zone. This project will provide financial incentives for Sunshine residents to work with Boulder County Wildfire Partners to have a wildfire assessment performed and then to follow up with wildfire mitigation work. The project will provide funding to reimburse the homeowner for 50% of the assessment fee which is currently set at \$100. Wildfire Partners is currently offering to pay 50% of the mitigation cost when the homeowner uses a Wildfire Partner's contractor to perform the mitigation work (verify that this program will be in place in 2022). This project will provide a match of 25% of the mitigation cost so that the homeowner only pays 25% of the mitigation cost. The Wildfire Partners match is currently set at \$2500 maximum and the SFPD match will be set to \$1250 maximum. Thus the maximum amount of reimbursement per homeowner will be set at \$1300.

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Project Details:

We will need to make a more concerted effort to get the word out to the community regarding this project. Perhaps we need to get some help from someone who is well versed in communication to do that portion of the project (i.e. John Bauer)

Est. Cost for 2023 - \$5000 (we might make total maximum amount flexible in case we get a lot of community interest)

9.0 Egress Route from Sunshine Saddle to Left Hand Canyon via Glendale Gulch

The egress route from the Sunshine saddle to Left Hand Canyon via Glendale Gulch was included in both the 2008 and 2013 CWPP documents (Section 8.3.A.2). The advantage of this route for Sunshine residents is that it would be primarily downhill vs. the Mine Lane egress route which is steeply uphill. Chief Schmitt is going to talk with Chief O'Brien about Left Hand FPD's willingness to help with establishing this egress route. There is a need for emergency egress from both sides as evidenced in the 2013 flood when Left Hand residents made the hike up to SFPD Station 1 for evacuation. Pat Noyes agreed to research the legal status of the existing road/driveway/trail. The question is its legal status. Is it considered a public right of way?

Est. Cost for 2023 - \$0

10.0 Other Egress Routes as Defined in SFPD 2013 CWPP Document

SFPD's 2013 CWPP document defined a number of different emergency egress routes. Should we investigate the feasibility of improving these routes to make them more accessible? Chief Schmitt will have discussions with the BOCO commissioners to have the county pick up maintenance and upgrade of CR 85J. At one time this route was open to Salina but was heavily damaged in the 2013 flooding.

Est. Cost for 2023 - \$0

11.0 Update Sunshine FPD's Community Wildfire Protection Plan

Abby Silver and Alan Kirton have been working with a core team from Four Mile FPD, Sugarloaf FPD and Gold Hill FPD to produce a joint CWPP document for the four districts. The document is in the final stages of editing and will be going to stakeholders at the Colorado State Forest Service for signoff. As part of this collaborative project the four districts will be signing an IGA to create the Boulder West Wildfire Authority (BWWA). The BWWA will be a formal partnership to jointly manage mitigation projects and perform yearly updates to the CWPP document. A steering committee will be established to perform this work. The steering committee will consist of 2 members from each of the four districts. Project name will be changed to Joint CWPP Plan

Est. Cost for 2023 - \$1704 – this is an previously agreed to amount to be paid by each of the four districts to cover the cost of FMFPD paid personnel who are performing the majority of the writing on the grant.

12.0 Dead Tree Removal and Mitigation at Intersection of County Rd 83 and Sunshine Canyon Dr.

There are a number of trees that are dying in the area of the intersection of County Rd 83 and Sunshine Canyon Dr. Also, a number of residents responding in the 2022 CWPP survey mentioned that it would be beneficial to remove some trees at that intersection to aid visibility of oncoming traffic. Since the dead trees will need to be removed in any case it would be good to have a comprehensive project that addressed both the hazard tree and the visibility issue.

Est. Cost for 2023 - \$3,000

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13.0 Dry Gulch South Fuels Reduction

We submitted FRWRM grant applications in 2021 and 2022 to try to fund a mitigation project in the Dry Gulch neighborhood between mile markers 3.3 to 3.7. Neither grant application was funded. Part of issue has been the move of CSFS to look for grant applications that have a larger scale than what we have been proposing. As part of the work on the joint CWPP we have defined a number of adjacent areas in the Dry Gulch Neighborhood to make an overall project size of 176 acres. We will do a grant application in 2023 for doing one of these areas, Dry Gulch South. That project encompasses 70 acres. The project cost is estimated at \$3560/acre resulting in a total project cost of approximately \$249,200. Assuming SFPD gets a matching grant, the SFPD cost for the project would be \$124,960.

We are applying for the 2023 Incentive for Local Government Grant program. This grant is run through the CSFS. The grant application needs to be completed by April 5, 2023. Grant award announcement will be May 3, 2023 with a completion deadline of July 1, 2027. The execution period for the grant is four years. Therefore the total cost of the project will be spread across several years.

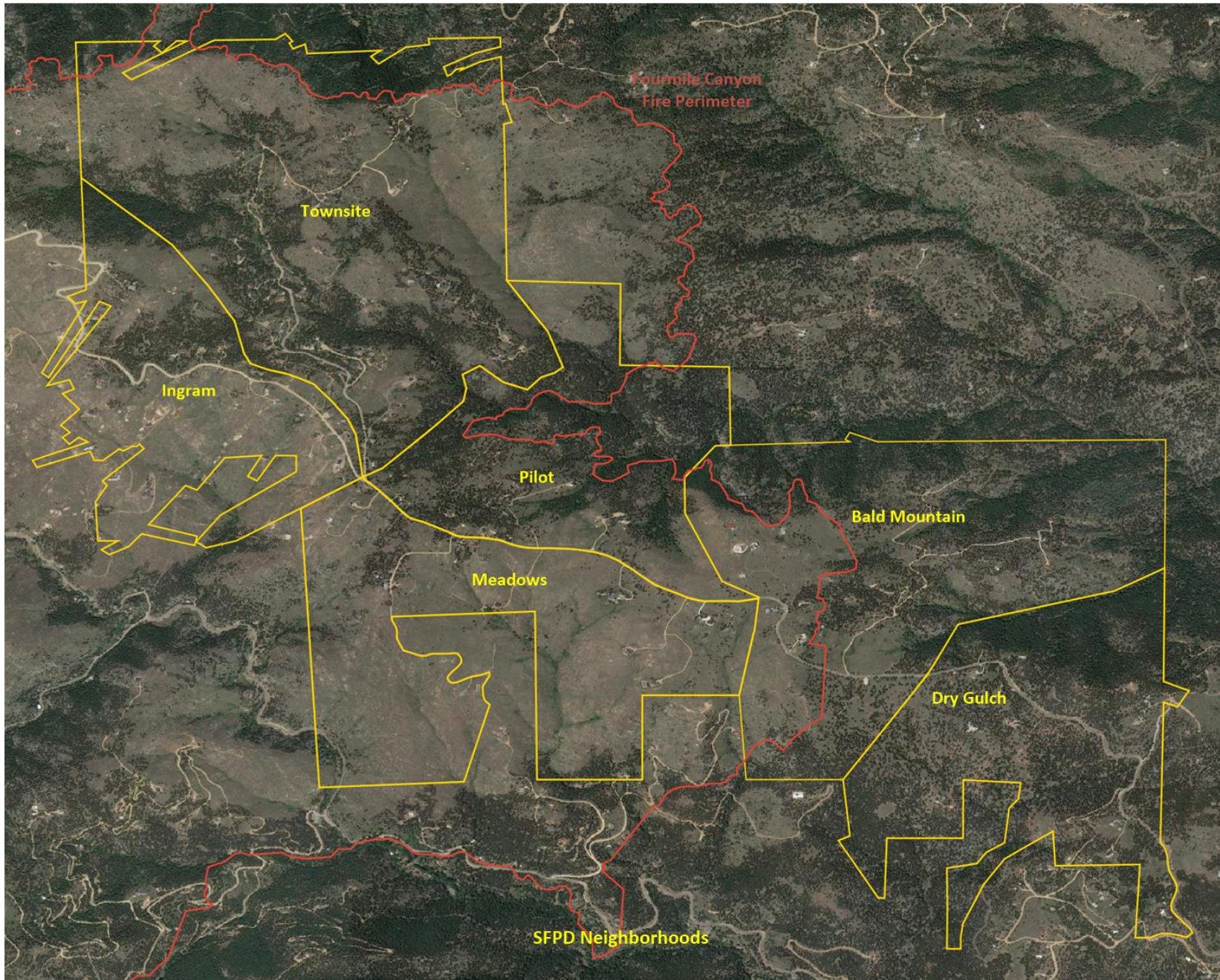
Est. Cost for 2023 - \$50,000 (assuming grant award and performing 20% of the project work)

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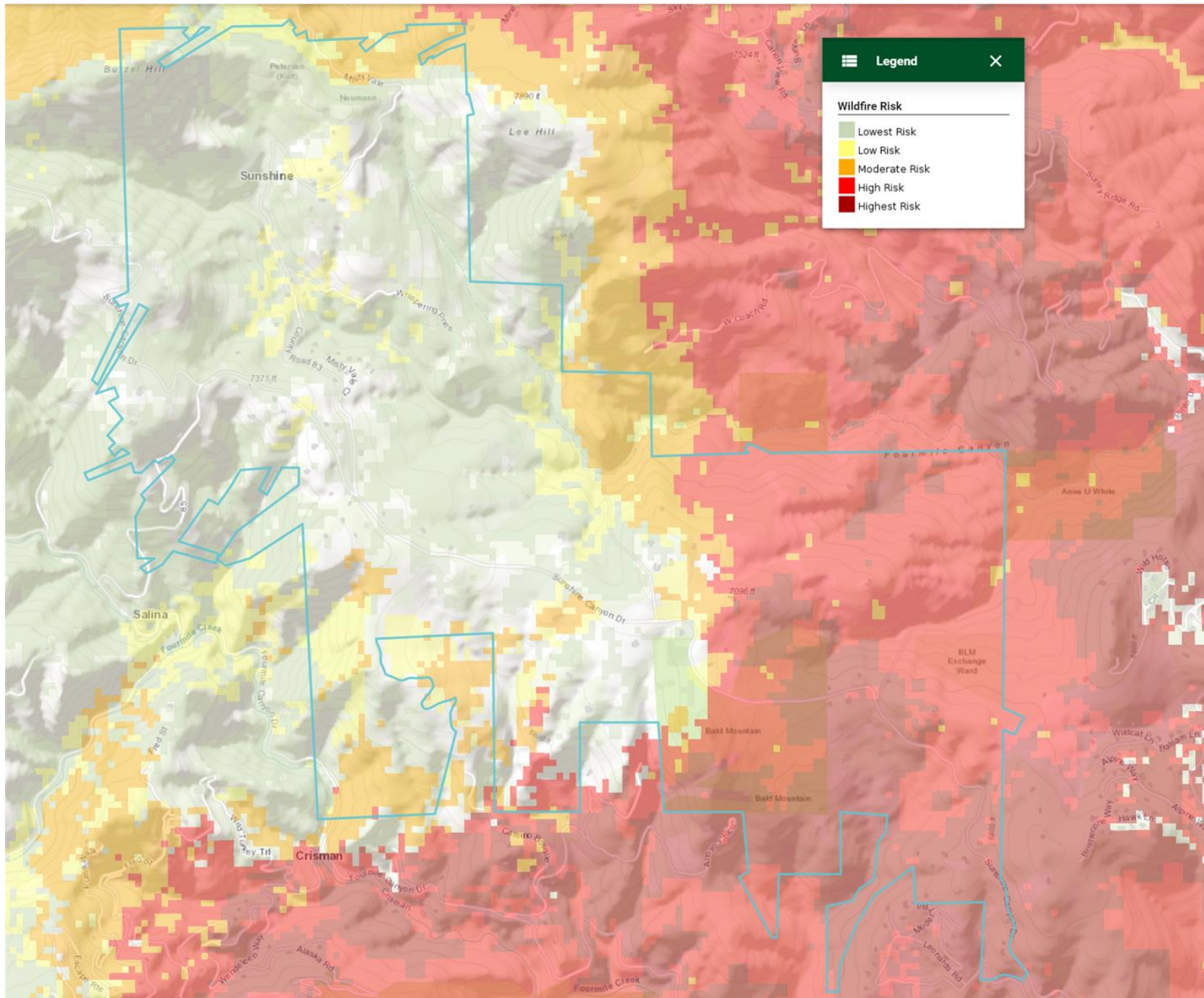
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2023 Projects		Point Person(s)	2023 Est. Cost	Notes
1.0	Fuels Mitigation - Community Chipping Events	Abby Silver	\$18,000	Spring and Fall Events
2.0	Pressurized (Gravity Fed) Wet Hydrant on County Road 83	Alan Kirton Water Comm.	\$50,000	Alan will coordinate with the SFPD Water Committee to move this project forward
3.0	Fire Cistern on Whispering Pines	Alan Kirton Water Comm.	\$2,000	Proceed with the project and carry it through the Limited Impact Special Use Review process.
4.0	Sign Maintenance Project	Need Lead	\$300	Repair existing signs or install new signs as required.
5.0	Mine Lane Egress Road Maintenance	Eric Bader	\$500	
6.0	Hazard Tree Removal Along District Roads and Near Powerlines	Eric Bader	\$2,400	Assumes 6 trees, \$400/tree
7.0	Hazard Tree Removal Along Emergency Egress Routes	Eric Bader	\$1,000	
8.0	Financial Incentives to District Residents to Participate in Wildfire Partners	Abby Sliver Alan Kirton	\$5,000?	We need to develop a more concerted effort to get the word out to the community.
9.0	Egress Route from Sunshine Saddle to Left Hand Canyon via Glendale Gulch	Chief Schmitt Pat Noyes	\$0	Working with Left Hand FPD and investigating the public access rights to road/trail.
10.0	Other Egress Routes as Defined in SFPD 2013 CWPP Document and CR 85J	Michael Schmitt Abby Silver		Working with county on 85J improvements
11.0	Joint CWPP with Four Mile FPD, Sugarloaf FPD and Gold Hill FPD	Abby Sliver Alan Kirton	\$1,706	The Joint CWPP is projected to be completed by May, 2023. The cost is an agreed to maximum to cover the cost of paid FMFPD personnel who are doing the majority of the grant writing.
12.0	Dead Tree Removal and Mitigation at Intersection of CR83 and Sunshine Canyon	Abby Sliver Eric Bader	\$3,000	There are a number of dead and dying trees at intersection. Combine hazard tree removal with mitigation to provide better visibility.
13.0	Dry Gulch South Fuels Reduction Project	Alan Kirton	\$50,000	Contingent grant funding
Total			\$128,906	

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