

**State of California
Department of Forestry and Fire Protection (CAL
FIRE) Office of the State Fire Marshal
GRANT AGREEMENT**

APPLICANT: County of Nevada, Office of Emergency Services

PROJECT TITLE: Woodpecker Ravine Shaded Fuel Break Phase 2

GRANT AGREEMENT: 5GA22209

PROJECT PERFORMANCE PERIOD is from date of latter signature by CAL FIRE Deputy Director or Grantee through March 15, 2029.

Under the terms and conditions of this Grant Agreement, the applicant agrees to complete the project as described in the project description, and the State of California, acting through the Department of Forestry & Fire Protection, agrees to fund the project up the total state grant amount indicated.

PROJECT DESCRIPTION: This project leverages and extends Woodpecker Ravine Phase 1 (5GG21227) through treatment of 726 acres, bringing the total acreage of both projects to 1,136 acres. Hazardous vegetation will be removed along critical primary and secondary evacuation routes and strategic ridgelines, tying road system arteries into a wildfire defense zone. There are over 1,700 homes located in the surrounding areas.

Total State Grant not to exceed \$ 3,914,536.64 (or project costs, whichever is less).

**The Special and General Provisions attached are made a part of and incorporated into this Grant Agreement.*

County of Nevada, Office of Emergency Services

**STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY
AND FIRE PROTECTION**

By **Craig
Griesbach**

Signature of Authorized Representative

Applicant
Digitally signed by Craig
Griesbach
Date: 2023.11.20 14:24:44
-08'00'

By

DocuSigned by:

DD5F1414AC554F2...

Print Name/

Title: **Craig Griesbach, Director of Emergency Services**

Title: **Daniel Berlant, Deputy Director**

Date **November 20, 2023**

Date **1/8/2024**

CERTIFICATION OF FUNDING

GRANT AGREEMENT NUMBER 5GA22209	PO ID	SUPPLIER ID 0000006820
FUND 0001	FUND NAME General Fund	
PROJECT ID 22WFFPGRANTS	ACTIVITY ID GRANTS	AMOUNT OF ESTIMATE FUNDING \$ 3,914,536.64
GL UNIT 3540	BUD REF 101	ADJ. INCREASING ENCUMBRANCE \$ 0.00
PROGRAM NUMBER 2465010	ENY 2022	ADJ. DECREASING ENCUMBRANCE \$ 0.00
ACCOUNT 5340580	ALT ACCOUNT 5340580000	UNENCUMBERED BALANCE \$ 3,914,536.64
REPORTING STRUCTURE 35405909	SERVICE LOCATION 91047	

Acknowledged - I hereby certify upon my personal knowledge that budgeted funds are available for this encumbrance.

DocuSigned by:

1/10/2024

Certification of CAL FIRE Accounting Office

Date

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TERMS AND CONDITIONS OF GRANT AGREEMENT

I. RECITALS

1. This Agreement, is entered into between the State of California, by and through the California Department of Forestry and Fire Protection (CAL FIRE), hereinafter referred to as "STATE" and, County of Nevada, Office of Emergency Services, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed Three Million, Nine Hundred Fourteen Thousand, Five Hundred Thirty Six Dollars, and Sixty Four Cents (\$3,914,536.64).
3. In addition to the terms and conditions of this Agreement, the STATE and GRANTEE agree that the terms and conditions contained in the documents set forth below are hereby incorporated and made part of this agreement.
 - a. California Climate Investments Department of Forestry and Fire Protection Wildfire Prevention Grants Program Procedural Guide 2022-2023
 - b. The submitted Application, Scope of Work, Project Workbook, GHG Emissions Workbook and Exhibits
 - c. ADDENDUM – WILDFIRE PREVENTION GRANT PROJECTS

II. SPECIAL PROVISIONS

1. Recipients of GRANT FUNDS pursuant to California Public Resources Code Section §4124.5 shall abide by the provisions in this Agreement. This includes the requirement that work shall not commence prior to the execution of this Agreement by both parties. Any work started prior to the execution of this Agreement will not be eligible for funding under the terms of this Agreement.
2. As precedent to the STATE's obligation to provide funding, GRANTEE shall provide to the STATE for review and approval a detailed budget, specifications, and project description. Approval by the STATE of such plans and specifications, or any other approvals provided for in this Agreement, shall be for scope and quality of work, and shall not relieve GRANTEE of the obligation to carry out any other obligations required by this Agreement, in accordance with applicable law or any other standards ordinarily applied to such work or activity.
3. All informational products (e.g., data, studies, findings, management plans, manuals, photos, etc.) relating to California's natural environment produced with the use of GRANT FUNDS shall be available for public use.

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III. GENERAL PROVISIONS

1. Definitions

- a. The term "Agreement" means grant agreement number 5GA22209.
- b. The term "GRANT FUNDS" means the money provided by the STATE to the GRANTEE in this Agreement.
- c. The term "GRANTEE" means an applicant who has a signed Agreement for the award for GRANT FUNDS.
- d. The term "Other Sources of Funds" means all matching fund sources that are required or used to complete the Project beyond the GRANT FUNDS provided by this Agreement.
- e. The term "STATE" means the State of California, Department of Forestry and Fire Protection (CAL FIRE).
- f. The term "Project" means the development or other activity described in the "Project Scope of Work".
- g. The term "Project Budget Detail" as used herein defines the approved budget plan.
- h. The term "Project Scope of Work" as used herein means the individual scope of work describing in detail the approved tasks.

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2. Project Representatives

The project representatives during the term of the agreement will be:

STATE: CAL FIRE	GRANTEE: County of Nevada, Office of Emergency Services
Section/Unit: NEU – Nevada Yuba Placer	Section/Unit: N/A
Attention: Elsa Hucks	Attention: Paul Cummings
Mailing Address: 13760 Lincoln way Auburn, CA 95603	Mailing Address: 950 Maidu Avenue, Suite 130 Nevada City, CA 95959
Phone Number: (530) 889-0111 x127	Phone Number: (530) 265-1515
Email Address: Elsa.Hucks@fire.ca.gov	Email Address: paul.cummings@nevadacountyca.gov

Changes to the project representatives during the term of the agreement shall be made in writing. Notice shall be sent to the above representative for all notice provisions of this Agreement.

3. Project Execution

- a. Subject to the availability of grant monies, the STATE hereby grants to the GRANTEE a sum of money (GRANT FUNDS) not to exceed the amount stated on Section I. RECITALS, Paragraph 2 in consideration of and on condition that the sum be expended in carrying out the purposes as set forth in the description of the Project in this Agreement and its attachments and under the terms and conditions set forth in this Agreement.
- b. GRANTEE shall assume any obligation to furnish any additional funds that may be necessary to complete the Project. Any amendment to the Project as set forth in the Application on file with the STATE must be submitted to the STATE for approval in writing. No amendment is allowed until written approval is given by the STATE.
- c. GRANTEE shall complete the Project in accordance with the time of Project performance set forth in this Agreement, unless an amendment has been approved and signed by the STATE under the terms and conditions of this Agreement. Amendments must be requested in advance and will be considered in the event of circumstances beyond the control of the GRANTEE, but no less than 60 days from the Agreement expiration date. The STATE may waive the minimum timeframe for

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amendments at their discretion. Approval of amendment is at the STATE's discretion.

- d. GRANTEE certifies that the Project Scope of Work complies with all local, State, and federal laws and regulations.
- e. GRANTEE shall comply with the California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000, et. seq. Title 14, California Code of Regulations, Section 15000 et. seq.) and all other local, State, and federal environmental laws. A copy of the certified CEQA document must be provided to STATE before any GRANT FUNDS are made available for any Project activity that could directly impact the environment (e.g. cutting, piling or burning bush, masticating, dozer work, etc.). CEQA compliance shall be completed within one (1) year from start date of the Agreement. The start date is considered the latter date of signature by the Grantee Authorized Representative or CAL FIRE Deputy Director. GRANT FUNDS will be made available in advance of CEQA compliance for project activities that do not have the potential to cause a direct environmental impact (e.g. project planning, locating and marking property or project boundaries, contacting and signing up landowners, etc.).
- f. GRANTEE shall permit periodic site visits by representative(s) of the STATE to ensure program compliance and that work is in accordance with the approved Project Scope of Work, including a final inspection upon Project completion.
- g. GRANTEE, and the agents and employees of GRANTEE, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents, of the STATE. No person who, as an officer, employee, or agent of the STATE participated in the preparation or creation of or determination to award this Grant Agreement shall serve as an agent or employee of GRANTEE including but not limited to those acts prohibited by Government Code Sections 1090, and 87100.

4. Project Costs and Payment Documentation

- a. Payment by the STATE shall be made after receipt of an acceptable invoice and approval by a duly authorized representative of the STATE. GRANTEE shall submit an invoice for payment to the CAL FIRE Project Representative of the STATE. A final invoice shall be submitted no later than 30 days after completion, expiration, or termination of this Agreement.

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- b. For services satisfactorily rendered, and upon receipt and approval of invoices for payment, the STATE agrees to compensate GRANTEE for actual expenditures incurred in accordance with the rates and activities specified in the Final Project Budget Detail, Application, Scope of Work and Exhibits, and made a part of this Agreement.
- c. Equipment purchased using GRANT FUNDS, wholly or in part, must be used by the GRANTEE for the project for which it was acquired. STATE retains a vested interest in the equipment for the useful life of the equipment, even after completion of the grant. GRANTEE shall provide written disposition of the equipment upon completion of the grant and upon any changes to the disposition of the equipment. Such disposition must be approved in advance by STATE. Equipment purchased using GRANT FUNDS cannot be used as collateral, financed, or sold without prior written approval from the STATE. Grantee must provide reporting on equipment disposition no less frequently than biannually to CAL FIRE or upon CAL FIRE's request after completion of the grant project until notified in writing by the CAL FIRE Wildfire Prevention Grant Program that additional reporting is no longer required.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and required quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. In the event no expenses are incurred, GRANTEE shall identify that no costs have been incurred within the respective quarterly progress report in lieu of submitting a zero-balance invoice. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, signature of an authorized representative of GRANTEE, expenditures for the current invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), match funds when applicable, and appropriate supporting documentation consistent with the Project Costs section, as detailed in the California Climate Investments Department of Forestry and Fire Protection Wildfire Prevention Grants Program Procedural Guide 2022-2023.
- e. GRANT FUNDS in this Agreement have a limited period in which they must be expended. All GRANTEE expenditures must occur prior to the end of the Project performance period of this Agreement.
- f. Except as otherwise provided herein, GRANTEE shall expend GRANT FUNDS in the manner described in the Budget approved by the STATE. The dollar amount of an item in a budget category may be increased or decreased by up to ten percent (10%) of the budget item through reallocation of funds from other budget categories, without approval by the STATE; however, GRANTEE shall notify the STATE in writing when any

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such reallocation is made, and shall identify both the item(s) being increased and those being decreased. Any increase or decrease of an item of more than ten percent (10%) of the budget category must be approved in writing by the STATE before any such increase or decrease is made. A formal approved amendment is required to increase the total amount of GRANT FUNDS.

- g. GRANTEE shall promptly submit any and all records at the time and in the form as the STATE may request.
- h. GRANTEE shall submit each invoice for payment electronically using the grants management system identified by CAL FIRE. Hard copy submissions will not be accepted.
- i. Notwithstanding any of the provisions stated within this Agreement, the STATE may at its discretion make advance payment from the grant awarded to the GRANTEE if GRANTEE is a nonprofit organization, a local agency, a special district, a private forest landowner or a Native American tribe. Advance payment made by the STATE shall be subject to the following provisions.
 - GRANTEE shall submit a written request identifying how funds will be used over a six-month period. The written request must be accompanied by an invoice that contains the same level of detail as a regular invoice.
 - GRANTEE shall file an accountability report with STATE four months from the date of receiving the funds and every four months thereafter.
 - Multiple advance payments may be made to a GRANTEE over the life of a project.
 - No single advance payment shall exceed 25% of the total grant amount. For grants funding equipment, the maximum advance request may be increased up to 50% of the total grant amount or cost of equipment purchase, whichever is less. Advance funds and must be spent on eligible costs within six months of the advance payment receipt.
 - GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. CAL FIRE will bill for the return of unliquidated advance funds after the approved timeframe.
 - All work under a previous advance payment must be fully liquidated via an invoice and supporting documentation and completed to the STATE's satisfaction before another advance payment will be made.

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- Any advance payment received by a GRANTEE and not used for project eligible costs within the time period approved by STATE shall be returned to the STATE. The amount will be returned to the grant balance.
 - Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and used toward offsetting the project cost or returned to the STATE.
- j. The GRANTEE shall immediately reimburse or credit, as determined by the STATE, the STATE for any over payment of any invoice, including final invoice, when either party determines an overpayment was made.

5. Budget Contingency Clause

- a. If STATE funding for any fiscal year is reduced or deleted for purposes of the Wildfire Prevention Program California Climate Investments Grant Program, the STATE shall have the option to either cancel this Agreement with no liability occurring to the STATE, or if possible and desirable, offer an Agreement amendment to GRANTEE to reflect the reduced amount available for the Project.

6. Project Administration

- a. GRANTEE must report to the STATE all sources of other funds for the Project. If this provision is deemed to be violated, the STATE will request an audit of GRANTEE and can delay the disbursement of funds until the matter is resolved.
- b. GRANTEE shall promptly submit written Project reports as the STATE may request throughout the term of this Agreement.
- c. GRANTEE shall submit a final accomplishment report, final invoice with associated supporting documentation, and copies of materials developed using GRANT FUNDS, including but not limited to plans, educational materials, etc. within 30 days of Project completion.

7. Financial Records

- a. GRANTEE shall retain all records described in Section 7(c) below for three (3) years after final payment by the STATE. In the case an audit occurs, all such records shall be retained for one (1) year from the date the audit is completed or the three (3) years, whichever date is later.
- b. GRANTEE shall maintain satisfactory financial accounts, documents, and records for the Project and make them available to the STATE for review

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during reasonable times. This includes the right to inspect and make copies of any books, records, or reports of GRANTEE pertaining to this Agreement or matters related thereto.

- c. GRANTEE shall keep such records as the STATE shall prescribe, including, but not limited to, records which fully disclose (a) the disposition of the proceeds of state funding assistance, (b) the total cost of the Project in connection with such assistance that is given or used, (c) the amount and nature of that portion of the Project cost supplied by other sources, and (d) any other such records as will facilitate an effective audit. All records shall be made available to the STATE, other State of California agency, or other entity as determined by the State of California for auditing purposes at reasonable times.
- d. GRANTEE shall use any generally accepted accounting system.

8. Research

- a. GRANTEE that receives funding, in whole or in part, in the form of a research grant shall provide for free public access to any publication of a peer-reviewed manuscript describing STATE funded knowledge, STATE funded invention, or STATE funded technology shall be subject to the following conditions:
 - i. GRANTEE is responsible for ensuring that any publishing or copyright agreements concerning peer-reviewed manuscripts fully comply with this section.
 - ii. GRANTEE shall report to STATE the final disposition of the peer-reviewed manuscript, including, but not limited to, if it was published, date of publication, where it was published, and, when the 12-month time period from official date of publication expires, where the peer-reviewed manuscript will be available for open access.
- b. For a peer-reviewed manuscript that is accepted for publication pursuant to the terms and conditions of this Agreement, the GRANTEE shall ensure that an electronic version of the peer-reviewed manuscript is available to STATE and on an appropriate publicly accessible repository approved by the state agency, including, but not limited to, the University of California's eScholarship Repository at the California Digital Library, the California State University's ScholarWorks at the Systemwide Digital Library, or PubMed Central, to be made publicly available not later than 12 months after the official date of publication. GRANTEE shall make reasonable efforts to comply with this requirement by ensuring that the peer-reviewed manuscript is accessible on an approved publicly accessible repository, including notifying the state agency that the manuscript is available on a

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state-agency-approved repository. If the grantee is unable to ensure that his or her manuscript is accessible on an approved, publicly accessible repository, the grantee may comply by providing the manuscript to the state agency not later than 12 months after the official date of publication.

- c. For publications other than those described in (b), including scientific meeting abstracts, GRANTEE shall comply by providing the manuscript to the STATE not later than 12 months after the official date of publication.
- d. The grant shall not be construed to authorize use of a peer-reviewed manuscript that would constitute an infringement of copyright under the federal copyright law described in Section 101 of Title 17 of the United States Code and following.
- e. Use of GRANT FUNDS for publication costs, including fees charged by a publisher for color and page charges, or fees for digital distribution are allowable costs but must be within the GRANT FUNDS and item 4 of the agreement.
- f. GRANTEE may request a waiver to the publication requirement if GRANTEE has an existing publication requirement that meets or exceeds the requirements of the research provision. Waiver shall include information on GRANTEE's existing requirements. Approval of the waiver is at STATE's discretion.

9. Project Termination

- a. This Agreement may be terminated by the STATE or GRANTEE upon 30-days written notice to the other party.
- b. If either party terminates the Agreement prior to the completion of the Project, GRANTEE shall take all reasonable measures to prevent further costs to the STATE under the Agreement and the STATE shall be responsible for any reasonable and non-cancelable obligations incurred by GRANTEE in the performance of this Agreement prior to the date of the notice to terminate, but only up to the undisbursed balance of funding authorized in this Agreement.
- c. Failure by GRANTEE to comply with the terms of this Agreement may be cause for suspension of all obligations of the STATE hereunder at the discretion of the STATE.
- d. Failure of GRANTEE to comply with the terms of this Agreement shall not be cause for the suspension of all obligations of the STATE hereunder if in the judgment of the STATE such failure was due to no fault of GRANTEE.

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At the discretion of the STATE, any amount required to settle at minimum cost any irrevocable obligations properly incurred shall be eligible for reimbursement under this Agreement.

- e. Final payment to GRANTEE may not be made until the STATE determines the Project conforms substantially to this Agreement.

10. Hold Harmless

- a. GRANTEE shall defend, indemnify and hold the STATE, its officers, employees, and agents harmless from and against any and all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of GRANTEE, its officers, agents, or employees. The duty of GRANTEE to indemnify and hold harmless includes the duty to defend as set forth in Civil Code Section 2778. This Agreement supersedes GRANTEE's right as a public entity to indemnity (see Government Code Section 895.2) and contribution (see Government Code Section 895.6) as set forth in Government Code Section 895.4.
- b. GRANTEE waives any and all rights to any type of express or implied indemnity or right of contribution from the STATE, its officers, agents, or employees for any liability resulting from, growing out of, or in any way connected with or incident to this Agreement.
- c. Nothing in this Agreement is intended to create in the public or in any member of it rights as a third-party beneficiary under this Agreement.

11. Tort Claims

FEDERAL:

The United States shall be liable, to the extent allowed by the Federal Tort Claims Act 28 United States Code 2671-2680, for claims of personal injuries or property damage resulting from the negligent or wrongful act or omission of any employee of the United States while acting within the scope of his or her employment, arising out of this Agreement.

STATE:

The State of California shall be liable, to the extent allowed by law and subject to California Government Code, Title 1, Division 3.6, providing for the filing of tort claims against the State of California, for personal injuries or property damage resulting from the negligent or wrongful act or omission of State of California

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employees while acting within the scope of his or her employment, arising out of this Agreement.

12. Nondiscrimination

The State of California prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, sex, marital status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. GRANTEE shall not discriminate against any person on any of these bases.

13. Conflict of Interest

GRANTEE or anyone acting on behalf of GRANTEE shall not have any conflicting personal and/or financial interests in carrying out the duties of the Agreement.

14. Incorporation

The grant guidelines and the Project Scope of Work, Project Budget Detail and any subsequent amendments or modifications to the Project Scope of Work and Project Budget Detail approved in writing by the STATE are hereby incorporated by reference into this Agreement as though set forth in full in this Agreement.

15. Severability

If any provision of this Agreement or the Project Scope of Work thereof is held invalid, that invalidity shall not affect other provisions or applications of this Agreement which can be given effect without the invalid provision or application, and to this end the provisions of this Agreement are severable.

16. Waiver

No term or provision hereof will be considered waived by either party, and no breach excused by either party, unless such waiver or consent is in writing and signed on behalf of the party against whom the waiver is asserted. No consent by either party to, or waiver of, a breach by either party, whether expressed or implied, will constitute consent to, waiver of, or excuse of any other, different, or subsequent breach by either party.

17. Assignment

This Agreement is not assignable by GRANTEE either in whole or in part.

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18. Survival Clause

The obligations of the Parties under Section III General Provisions, Items 4 (c) and (j) of the Project Costs and Payment Documentation and Item 10 Hold Harmless of this Agreement shall survive the termination or expiration of the Agreement.

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ADDENDUM – WILDFIRE PREVENTION GRANT PROJECTS

I. PROGRAM ACKNOWLEDGEMENT/RECOGNITION

All Wildfire Prevention Grant projects must clearly display, identify and label themselves as being funded by CAL FIRE. Acknowledgements must contain the CAL FIRE logo as well as the following statement:

“Funding for this project provided by the California Department of Forestry and Fire Protection’s (CAL FIRE) Wildfire Prevention Grants Program.”

A draft of the acknowledgement must be approved by the STATE prior to publication. For stationary projects, acknowledgement may include, but is not limited to, a sign on the project site. For other project types, such as vehicles, equipment, and consumer-based incentives, acknowledgement is encouraged by using a decal, sticker or other signage.

22-WP-NEU 48199437

Application Form :

Profile : alex.keeble-toll@nevadacountyca.gov

Project Information

Project Name/Title : Woodpecker Ravine Shaded Fuel Break Phase 2

In which county is the majority of your project located? : Nevada County

**The full Project Tracking Number will be auto-generated within Grants Portal. Please use the format 22-WP-
UUU and replace your 3-character unit identifier from your selected county above. :** 22-WP-NEU

Are there additional counties? : No

In which California State Assembly district(s) is your project located? :

1st - Alpine, Amador, El Dorado, Lassen, Modoc, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou

In which California State Senate district(s) is your project located? :

1st - Butte, Colusa, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Sutter, Tehama, Yuba

Project End Date : 2029-03-15

Project Description Summary

Please provide a paragraph summarizing proposed project including the location, habitable structures, acres treated, etc. : The Woodpecker Ravine Shaded Fuel Break Phase 2 Project leverages and extends Woodpecker Ravine Phase 1 (CAL FIRE 5GG21227) through treatment of 726 acres, bringing the total acreage of the Phase 1 and Phase 2 Projects to 1,136 acres. The objective of the project is to remove hazardous vegetation along critical primary and secondary evacuation routes and strategic ridgelines, tying road system arteries into a wildfire defense zone. The desired outcome is to reduce the intensity of a potential wildfire, provide fire fighters a stronghold to defend lives and homes, and provide safer ingress/egress routes for residents and emergency responders. This project is identified as a top priority in the Nevada-Yuba-Placer (NEU) 2022 Strategic Plan and is located within high and very high fire hazard severity zones adjacent to disadvantaged communities just southeast of Grass Valley. The project area is flanked by critical evacuation corridors – State Highway 49 to the east and State Highway 174 to the north. Roughly bounded by Rattlesnake, Lower Colfax, and Mount Olive Roads, over 1,700 homes located in the Wildland Urban Interface (WUI) communities of Union Hill, Cedar Ridge, Peardale, and Highland Park will directly benefit from the hazardous fuels reduction. These activities will also protect the communities of Alta Sierra, Alta Hill, La Barr Meadows, the City of Grass Valley, Spring Hill, The Oaks, Coleman, Bear River Pines, and Chicago Park. This project will be a public private partnership between landowners whose property will be treated, County of Nevada, and CAL FIRE.

Award Request Amount

Total Amount of Award Request : \$3,914,536.64

Indirect Cost Rate

Are you requesting an Indirect Cost Rate in excess of 12%? : No

Organization Information

Organization Type : Incorporated Cities and Counties

Board Resolution or Attesting Document : 22-WP-NEU-48199437_Board_Resolution.pdf

Sponsoring Organization : County of Nevada, Office of Emergency Services

Project Manager Name : Paul Cummings

Project Manager Mailing Address : 950 Maidu Avenue

Project Manager Mailing Address Line 2 : Suite 130

City : Nevada City

State : US-CA

Zip Code : 95959

Project Manager Phone Number : 530-265-1515

Project Manager Email : paul.cummings@nevadacountyca.gov

Project Activities

For which primary activity is funding being requested? : Hazardous Fuels Reduction

Primary Vegetation Management Practice Type : Shaded fuelbreak /Understory clearing

Does the project include Grazing as a component of the hazardous fuels reduction project? : No

Does the project include transportation and/or disposal of woody biomass : No

Project Treatment Area

Primary Land Cover Type : Forest

Primary Land Ownership Class : Private

Does your project include work on Tribal Lands? : No

Limiting Factors: Check the box if there are any existing forest or land management plans; Conservation Easements; Covenant, Conditions & Restrictions (CC&R's); matters related to zoning; use restrictions, or other factors that can or will limit the fire prevention proposed activity? :

Timber Harvest Plans (THP): For Hazardous Fuels Reduction projects, If there is a timber harvesting document on any portion of the proposed project area for which a "Notice of Completion" has not been filed with CAL FIRE check the box. :

California Environmental Quality Act (CEQA) Compliance: Describe how compliance with CEQA will be achieved in the Scope of Work. Is there an existing CEQA document that addresses this project or can be used to meet CEQA requirements?

Please indicate the CEQA document type (For planning, education and other projects that are exempt from CEQA, select "Not Applicable") : Will File

Existing Document Identification Number : Not Applicable at this time.

Federal Responsibility Area: Does your project include work on Federal Lands that might require a National Environmental Policy Act (NEPA) document, or use a framework similar to Good Neighbor Authority? : No

Community Metrics

Fire Risk Reduction Community List (FRRC)

Is the Sponsoring Organization a local agency? (city, county, or other publicly funded entity serving a city and/or county) : Yes

If yes, please select from the Fire Risk Reduction Community List options : Not on the FRRC list

If yes, is the Sponsoring Organization reporting defensible space data to CAL FIRE? :

Community at Risk: Is the project associated with a community that is listed as a Community at Risk? : Yes

Number of Risk Communities in the project area : 8

Disadvantaged/Low Income Community: Is the project associated with a disadvantaged/low-income community? : Yes

If Yes, select all that applies: :

Low Income

Project Area Statistics: For all Hazardous Fuels Reduction projects, provide an estimate of the Treatment Influence Zone (TIZ) acres. Include Local Responsibility Area (LRA), Federal Responsibility Area (FRA) and State Responsibility Area (SRA) as applicable for TIZ.

The Treatment Influence Zones (TIZ) are the treatment areas within a project, where on-the-ground activities are accomplished. There can be multiple treatment areas associated with a project. Wildfire Prevention Planning and Wildfire Prevention Public Education projects will NOT have treatment areas.

Local Responsibility Area (LRA) TIZ acres : 0.00

Federal Responsibility Area (FRA) TIZ acres : 0.00

State Responsibility Area (SRA) TIZ acres : 726.00

Total TIZ Acres : 726

Fire Hazard Severity Zones (FHSZ)

What Fire Hazard Severity Zones (FHSZ) are in the project area? Fire Hazard Severity Zone ratings are available at: <https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/wildfire-preparedness/fire-hazard-severity-zones/> (<https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/wildfire-preparedness/fire-hazard-severity-zones/>). Copy and paste the link or right-click to open in a new tab. Please provide an approximate number of acres or percentage of the project area in each zone.

Number of Acres in the Very High SRA FHSZ : 704

Number of Acres in the Very High LRA FHSZ : 0

Number of Acres in the High SRA FHSZ : 22

Number of Acres in the High LRA FHSZ : 0

Number of Acres in the Moderate SRA FHSZ : 0

FHSZ Total Acres : 726

Document Uploads

Letters of Support : 22-WP-NEU-48199437_Ltrs_of_Support.pdf

Letters of Commitment :

In addition to the online project mapping program treatment Geopoint and polygons, include a pdf map(s) of the project with the project application. The maps shall meet the requirements of Appendix G in the Procedural Guide.

PDF Project Map : 22-WP-NEU-48199437_Project_Maps.pdf

The below required standard forms can be found in the forms section of the solicitation. To get to the Solicitation Link click back to the solicitation, then click on the three lines next to the application and click the solicitation link.

STD 19 Nondiscrimination Compliance Statement form : 22-WP-NEU-48199437_STD_019.pdf

STD 21 A Drug-Free Workplace Certification form : 22-WP-NEU-48199437_STD_021.pdf

STD 204 Payee Data Record form : 22-WP-NEU-48199437_STD204.pdf

Miscellaneous Form Upload Field #1 :

Miscellaneous Form Upload Field #2 :

Miscellaneous Form Upload Field #3 :

Project Mapping Program

Project Mapping Program: Create a Geopoint and Polygon(s) via the weblink. copy and paste the link or right-click to open in a new tab:<https://grant-access-calfire-forestry.hub.arcgis.com> (<https://grant-access-calfire-forestry.hub.arcgis.com>) The Online Project Mapping Component is a requirement for a complete application submission.

View Budget Worksheet : <https://portal.ecivis.com/#/peerBudget/DF16E4B7-65FD-4BD9-9124-DDF381124EB8>

Average Score : 0.00

Application Goals :

View Application Goals : <https://portal.ecivis.com/#/peerGoals/C1089689-51AD-46F5-AFD7-15E8ADCF40E5>

of Reviews : 1

of Denials : 0

Created by : zengine+35323@srm.ecivis.com

Record ID # : 48199437

Last change : 2023-03-28T17:31:49+0000

Woodpecker Ravine Shaded Fuel Break Phase 2

Linked Form Profile :

Linked Form Submissions : 22-WP-NEU 48199437

Scope of Work :

Project Name : Woodpecker Ravine Shaded Fuel Break Phase 2

Project Tracking Number : 22-WP-NEU-48199437

Please use the Tracking Number that was automatically assigned by Grants Portal. The format will be 22-WP-UUU-XXXXXXXX

Project Description

Please provide a comprehensive project description including the location, habitable structures, acres treated, etc. (please note there are no space limitations) : Background The objective of the Woodpecker Ravine Shaded Fuel Break Phase 2 Project is to remove hazardous vegetation along critical primary and secondary evacuation routes and strategic ridgelines, tying road system arteries into a wildfire defense zone. The desired outcome is to reduce the intensity of a potential wildfire, provide fire fighters a stronghold to defend lives and homes, and provide safer ingress/egress routes for residents and emergency responders. This project will be a public private partnership between landowners whose property will be treated, County of Nevada, and CAL FIRE. Woodpecker Ravine Shaded Fuel Break Phase 2 Project is located within high and very high fire hazard severity zones adjacent to disadvantaged communities just southeast of Grass Valley in western Nevada County. It was identified as a top priority in the Nevada-Yuba-Placer (NEU) 2020, 2021, and 2022 Strategic Plans and has been identified in past Battalion 12 Ignition Management Plans. The project furthers the overarching goals of the Nevada County Community Wildfire Protection Plan and confronts the wildfire component of the Local Hazard Mitigation Plan, in addition to addressing the regional priorities of the Watershed Improvement Plan (WIP) and the broader priorities of California's Wildfire and Forest Resilience Action Plan (WFRAP). This project leverages and extends Woodpecker Ravine Phase 1 (CAL FIRE 5GG21227) through treatment of 726 acres, bringing the total acreage of the Phase 1 and Phase 2 Projects to 1,136 acres. It will provide an integral landscape-scale hazardous fuels reduction component to a \$31 million holistic Building Resilient Infrastructure and Communities (BRIC) grant that proposes education, home-hardening, and defensible space and is currently undergoing environmental and cultural review with FEMA (funding obligation anticipated September 2023). In sum, the combined investment of CAL FIRE and FEMA/BRIC will support the protection of people, structures, and communities in an area of significant and known risk. Education of residents will ensure that State and Federal project investments are durable as community members will have the knowledge, resources, and wherewithal to manage private lands for wildfire resilience long after project implementation is complete. Need The threat of catastrophic wildfire is imminent for the 102,241 residents of Nevada County, 92% of whom live in high to very high fire hazard severity zones. Grass Valley has been identified by CAL FIRE as the fourth highest priority target area for Vegetation Management/Fuels Modification Projects in the Nevada-Yuba-Placer Unit. Woodpecker Ravine is a steep and densely vegetated drainage that is flanked by critical evacuation corridors – State Highway 49 to the east and State Highway 174 to the north. Roughly bounded by Rattlesnake, Lower Colfax, and Mount Olive Roads, fourteen Wildland Urban Interface (WUI) communities, including five that are disadvantaged due to income (50-60 percentile; per Cal EnviroScreen 4.0) stand to benefit from this project. Within the Treatment Influence Zone is a warren of narrow, winding roads and over 700 homes; nearly 2,200 homes are in the 1-mile Project Influence Zone. The two major evacuation routes in the Woodpecker Ravine are Lower Colfax Road and Rattlesnake Road; both lead to Highway

174, or south to other major roads such as Mt. Olive and Dog Bar Roads. The area's topography and vegetation affect its susceptibility to wildfire spread while evacuation constraints pose significant risk for residents if mass egress is necessary. The Winter Storm of 2023 has significantly exacerbated the risk that residents of Woodpecker Ravine will face during future wildfire seasons. This storm, which resulted in the declaration of both local and state emergencies, left over 17,000 homes without power for days and even weeks. Areas off Rattlesnake Road were among the hardest hit. Damage to electrical and communications infrastructure, private residences, and private roads was extensive due to the sheer volume and extent of down trees. Now more than ever it is critical to remove hazardous vegetation from key ingress and egress routes.

Section I :

Primary Activity Type : Hazardous Fuels Reduction

Hazardous Fuels Reduction

1. Describe the geographic scope of the project, including an estimate of the number of habitable structures and the names of the general communities that will benefit. : The County of Nevada Office of Emergency Services will focus on a strategic 726 acres through the Woodpecker Ravine Shaded Fuel Break Phase 2 Project. This acreage is independent of the 410 acres of treatment that is to be completed as part of Woodpecker Ravine Phase 1, however, together these two project phases will result in hazardous fuels reduction at a meaningful scale. The project area is bounded by critical evacuation corridors (State Highway 49 and State Highway 174) and stands to increase wildfire resilience for over a dozen WUI communities in and around the locations identified for treatment. The communities of Union Hill, Cedar Ridge, Peardale, and Highland Park will directly benefit from the hazardous fuels reduction. The communities of Alta Sierra, Alta Hill, La Barr Meadows, the City of Grass Valley, Spring Hill, The Oaks, Coleman, Bear River Pines, Cherry Creek Acres, and Chicago Park will also be protected. Within the Treatment Influence Zone there are over 700 homes valued at \$168,390,283. Nearly 2,200 homes are in the 1-mile Project Influence Zone valued at \$535,834,594. The project is located a mile from historic downtown Grass Valley, one of California's fourteen Cultural Districts and the County's most populous incorporated area. Grass Valley has a thriving small business community and iconic, irreplaceable landmarks built during the Gold Rush, over 150 years ago, such as the Holbrooke Hotel and St. Joseph's Cultural Center which will be protected by the project. The Empire Mine State Historic Park, which is on the National Register of Historic Places, is located adjacent to the project. In addition to the residents and communities in the direct vicinity of the project that stand to benefit, many critical community lifelines are within two miles of the project including: • 8 fire stations • 14 schools • 2 Pacific Gas & Electric substations and 6 miles of powerline • 3 short-term rehabilitation and skilled-nursing facilities • 1 extended-stay convalescent hospital. • The county's primary hospital (the only other hospital is an hour's drive away over 7,000-foot mountain pass).

2. Describe the goals, objectives, and expected outcomes of the project. : The goal of this project is to mitigate risk by creating strategically placed landscape area treatments prioritizing critical infrastructure, community investment, roads, and strategic ridges to modify fire behavior and improve ingress for first responders and egress for evacuees. The Federal Emergency Management Agency (FEMA) estimates that every \$1 spent on mitigation saves \$6 on future disaster losses. The most recent major fire that Nevada County has experienced underscores the importance of investing in risk mitigation. The 900-acre Rices Fire that occurred in June of 2022 destroyed several homes and outbuildings and cost nearly \$13 million to suppress. The Woodpecker Ravine Shaded Fuel Break Phase 2 Project proposes to reduce hazardous fuels and mitigate wildfire risk on 726 acres. The total cost of this project is budgeted to be \$4 million or about a third of the cost to suppress a similar acreage fire. Approximately 700 habitable at-risk structures within the Treatment Influence Zone with a combined rebuild value of \$168,390,283 will be protected. Thousands more homes located within the Project Influence Zone valued at \$535,834,594 also stand to be protected. This project combines robust community education about WUI ecology, hazardous fuels reduction, home hardening, and defensible space (See Section IV, Task 2) with on-the ground implementation

actions (See Section IV, Task 4). Taken together these activities will increase wildfire resilience in 14 communities and will furthermore arm residents with the knowledge needed to manage the private lands under their purview into the future. The aim of this project is to ensure fire behavior is less severe and damaging, providing fire fighters an opportunity to make an effective stand against the fire. This project effectively reduces significant risk of wildfire, increases resilience, and creates ancillary benefits for people and the environment. This project has been thoughtfully designed to create the primary benefits of: • Avoiding physical damages. • Avoiding emergency response costs. • Avoiding loss-of-function to critical facilities and infrastructure. • Avoiding loss of service for utilities. • Avoiding injuries & casualties. Further, project design supports the ancillary benefits of: • Supporting low-income, socially vulnerable and high-hazard or threatened communities. • Protecting water and air quality. • Providing an opportunity to engage the community around best-practices for fire-adapted communities. The expected outcome of the Woodpecker Ravine Shaded Fuel Break Phase 2 Project is for hazardous fuels reduction to take place on 726 acres of land along critical evacuation routes and strategic ridges. This will eliminate vertical and horizontal continuity, reducing the rate of spread, the duration and intensity of wildfire, fuel ignitability, and ignition of tree crowns and structures. The acreage including in this project will be treated utilizing a suite of best management practices at the direction of a Registered Professional Forester. Treatment prescriptions will include chipping, hand crews, mastication, and chemical treatment, where prudent, to help maintain the initial treatment investment. Left over woody debris will be chipped or masticated onsite.

3. Provide a clear rationale for how the proposed project will reduce the risks associated with wildfire to habitable structures.

: The steep terrain, narrow roads, and extreme forest density of Woodpecker Ravine makes it difficult to combat wildfires and thus all fires in this area pose an existential threat to the habitable structures in the vicinity. When wildfire has occurred in the area (such as the River Fire) suppressing it as swiftly as possible has been critical to the protection of life and property. Shaded fuel breaks, fire breaks and recent burn scars are all considered key tactical locations for first responders to take a stand against and gain control of wildfires. The Woodpecker Ravine Shaded Fuel Break Phase 2 Project has been strategically designed to leverage all existing tactical locations and to tie these into a network of protection for the thousands of homes in the area. The River Fire Burn Scar, major road arteries, and key ridgelines have all been taken into consideration when identifying treatment locations. Furthermore topography has dictated location and type of treatment. For example, in some locations treatment of vegetation 75 feet on either side of the roadway is preferred. For other parcels vegetation abatement extending out 75 feet from a structure toward a ravine has been identified as an approach more likely to safeguard the structure. This project has been very intentionally designed to be successful independent of impending FEMA/BRIC funding, however, the larger vision for Woodpecker Ravine is to pair shaded fuel break treatments funded by CAL FIRE with home hardening and defensible space actions funded by FEMA/BRIC. Taken together with community education about wildfire resilience these activities greatly increase the chances that risks associated with wildfire to habitable structures will be reduced – and furthermore that residents will be personally invested in sustaining the reduction in risk by creating defensible space, removing dead and down debris from winter storms, and ensuring that shaded fuel break areas receive annual maintenance.

4. Identify any additional assets at risk from wildfire that will benefit from the proposed project. These may include, but are not limited to, domestic and municipal water supplies, power lines, communication facilities and community centers.

: Community lifelines such as phone and powerlines, drinking water and Nevada Irrigation District's conveyance systems, transportation corridors, and evacuation routes are all located within the project footprint. Additionally, located within two miles of the project are critical infrastructure such as the regionally significant CAL FIRE and Tahoe National Forest 24/7 Interagency Emergency Command Center (ECC) which is co-located with the Nevada County Airport. The ECC is one of the state's six command centers which facilitates the expeditious movement of resources during fire emergencies and calls for medical service. Resources include air attack support in the form of helicopters, very large air tankers, and tactical aircraft which provide life-saving fire suppression support through intelligence gathering and fire-retardant drops. Additional critical assets within 2 miles of the project include 8 fire stations, 14 schools, 2 Pacific Gas & Electric substations, 3 short-term rehabilitation and skilled-nursing facilities, and 1 extended-stay convalescent hospital. The county's primary hospital

is 1.5 miles from the project and the only other hospital is an hour's drive away over a 7,000-foot mountain pass. The project increases protection to the City of Grass Valley, which is home to 14,000 people. Within a mile of the project boundary is historic downtown Grass Valley, which has a thriving small business community. Iconic, irreplaceable landmarks built during the Gold Rush over 150 years ago, such as the Holbrooke Hotel and St. Joseph's Cultural Center, are among the community resources the project will protect. The Empire Mine State Historic Park, which is on the National Register of Historic Places, is located adjacent to the project. Additional critical community resources within the project footprint include a post office, and several small businesses such as an animal clinic, vineyard, automotive repair, and markets.

5. How will the project/activity utilize the left over woody biomass? Will the project/activity use a biomass facility to reduce greater greenhouse gas emissions? : Options to utilize a biomass facility to reduce greenhouse gas emissions are limited in Nevada County. Any material would need to be trucked 40 miles to the closest facility (Rio Bravo-Rocklin), which would create additional emissions associated with transportation. As such, left over woody debris will be chipped or masticated onsite.

6. Does the project include grazing as a component of the hazardous fuels reduction project? :

Section II :

Degree of Risk

1. Discuss the location of the project in relation to areas of moderate, high, or very high fire hazard severity zone as identified by the latest Fire and Resource Assessment Program maps. : The Woodpecker Ravine Shaded Fuel Break Phase 2 Project Treatment Influence Zone includes areas of High and Very High Fire Hazard Severity Zones (FHSZ) and is also surrounded by both areas in the Project Influence Zone. Specifically, the 726-acre project area has approximately 704 acres in Very High Fire Hazard Severity Zones and approximately 22 acres in High Fire Hazard Severity Zones. Overall, 92% of the 102,241 residents of Nevada County live in High to Very High FHSZ. Given this, it is not surprising that Grass Valley, located mere miles from the Woodpecker Ravine Shaded Fuel Break Phase 2 Project has been identified by CAL FIRE as the fourth highest priority target area for Vegetation Management/Fuels Modification Projects in the Nevada-Yuba-Placer Unit.

2. Describe the geographic proximity of the project to structures at risk to damage from wildfire in the WUI. : This project is in direct proximity to structures that are at risk to damage from fire in the Wildland Urban Interface (WUI). Interspersed within the Treatment Influence Zone are over 700 homes. Additionally, 2,200 homes are located within a mile of the area to be treated. The work proposed as part of the Woodpecker Ravine Shaded Fuel Break Phase 2 Project is critical due to the volume of untreated fuels within the ravine, steepness of the topography, and number of people residing within the project area. Treatment of key evacuation routes will serve the public in terms of safer egress, while providing first responders greater ingress. Treatment areas will furthermore provide locations where first responders can make a stand against a fire and work safely to protect structures.

Section III :

Community Support

1. Does the project include any matching funds from other funding sources or any in-kind contributions that are expected to extend the impact of the proposed project? : This project does not include matching funds but directly leverages a \$2.1 million grant awarded by CAL FIRE for Woodpecker Ravine Phase 1 (CAL FIRE 5GG21227) by extending the treatment area by 726 acres. The project was furthermore designed to provide a vital hazardous fuels reduction component to a \$31 million holistic Building Resilient Infrastructure and Communities (BRIC) grant that proposes education, home-hardening, and defensible space and is currently undergoing

environmental and cultural review with FEMA (funding obligation anticipated September 2023). There are thirteen Firewise Communities in the vicinity of the project, all of whom actively engage with and support residents in increasing their wildfire resilience through sweat equity activities that include defensible space and roadside vegetation abatement. Four of these Firewise Communities are either in or adjacent to the project area - Casa Loma Firewise Community, Greater Dalmatian-Highway 174 Firewise Community, Lower Colfax Firewise Community, and Rattlesnake Neighborhood Association Firewise Community – and all have provided Letters of Support for this project. In addition this project has the support of the larger Coalition of Firewise Communities. Nevada Irrigation District, which has key water infrastructure that will be protected because of project activities has provided a Letter of Support, as has California State Parks, whose Empire Mine State Historic Park sits at the top of the project area.

2. Describe plans for external communications during the life of the project to keep the effected community informed about the goals, objectives and progress of the project. Activities such as planned press releases, project signage, community meetings, and field tours are encouraged. :

External communications will be a critical piece of this project which will engage project participants as well as the broader public at large. Homeowners within the project footprint will receive information about the project by mail as well as an invitation to attend two public meetings (“Town Halls”) to ask questions and learn more about the project. One public meeting will be scheduled as a “kick-off” to familiarize residents with intent, motive, and purpose of the project and to answer questions related to the planning aspects of the project, including right-of-entry, landowner agreements, environmental compliance, process, and timeline. This meeting is projected to take place in Quarter 1 of 2024. A second public meeting will be scheduled during Year 1 of implementation (approximately Quarter 3 of 2025) to check in with residents about their project experience so that any adaptive management actions needed to improve interactions with residents can be set in motion for implementation Year 2 and Year 3. County of Nevada Office of Emergency Services will leverage our existing bi-weekly Virtual Office Hours platform as well as our Quarterly Wildfire Stakeholder Meetings to provide project updates and offer a forum for residents and Firewise Community leaders as well as key stakeholders working on wildfire mitigation across the County to ask questions and learn more about the project. If awarded, County of Nevada will share this news with the public via website, newsletter, social media, and press release. The public is very engaged in wildfire prevention and mitigation activities and Nevada County Office of Emergency Services frequently fields calls from residents who have learned of a new project and are seeking additional information. If awarded, a project announcement will be a major point of celebration for the community, especially considering the impacts to Woodpecker Ravine during the 2023 Winter Storm. County of Nevada will share project news and updates with local radio stations such as KVMR and KNCO, who often reach out for interviews when grant funds are awarded for wildfire mitigation projects. Lastly, the Board of Supervisors and the media will be invited to tour the implementation of the project. Both the public meetings and the project tour will offer tangible educational opportunities for residents and leaders to understand the importance and impact of this work. All external communications about this project, including printed materials will clearly display, identify, and label themselves as being funded by CAL FIRE. Acknowledgements will contain the CAL FIRE logo, required statement, California Climate Investments (CCI) boilerplate, and CAL FIRE and CCI logos per the stipulations associated with this funding source.

3. Describe any plans to maintain the project after the grant period has ended. : Landowner agreements to maintain the grant-funded investment in the project area for at least 10 years will be secured from property owners as a requirement of participation in the Woodpecker Ravine Shaded Fuel Break Phase 2 Project. A critical component of ensuring that the treatment is maintained is having a conversation upfront with homeowners about the importance of hazardous fuels reduction and the resources that are available to assist with this maintenance. CAL FIRE has estimated that if maintenance of shaded fuel breaks is not conducted within 2-3 years, after 5 years all wildfire resilience benefit is lost. Anecdotal conversations with CAL FIRE staff in the field has indicated that for some vegetation assemblages in western Nevada County that thrive with disturbance, shaded fuel breaks can initially result in increased vegetative growth, making regular maintenance even more critical. As part of Task 2 of this project, County of Nevada will educate residents within the project area about the importance of maintenance

and will connect them with resources to support these activities. Existing resources may include:

- Coordination of neighborhood or road associations for quarterly work parties.
- Participation in local Firewise Communities.
- Renting roll off dumpsters from Waste Management for seasonal yard waste and storm debris disposal.
- Conducting seasonal residential burn piles.
- Renting chippers for work on private property or along roads.
- Hiring qualified vendor.

4. Does the proposed project work with other organizations or agencies to address fire hazard reduction at the landscape level? : If the larger FEMA/BRIC grant, of which the Woodpecker Ravine Shaded Fuel Break Phase 2 (and Phase 1) is a part, is funded there will be extensive partnering with other organizations to address fire hazard reduction at the landscape level. The FEMA/BRIC grant application has identified partnering with the South Yuba River Citizens League (SYRCL) to conduct a science and art-based community engagement campaign. SYRCL will convene experts on topics such as forest health, fire ecology, climatology, and fire dynamics using the best available science to develop a public service campaign centered around the concepts of community wildfire resiliency. SYRCL will plan a Speaker Series including a variety of educational opportunities such as workshops, tours, wildfire resiliency art installations, demonstrations, film screenings, & discussion panels open to the whole community. They will showcase a broad cross-section of expert perspectives and collaborate with local partners such as land management agencies, watershed conservation/stewardship non-profits, land trusts, foresters, the local chapter of the California Native Plant Society, arts-based organizations, local Tribes, and others to engage community members in a conversation and to inspire action around developing a wildfire-adapted community. To address demographic trends in the County they will assess the needs of groups, such as older residents, those for whom English is not the primary language, and other difficult to reach groups so they may benefit from program-developed materials. Expenses will include art material development, graphic design, digital and print ads, mailers, postage, outreach supplies, etc. Additionally, if the BRIC grant is awarded, County of Nevada will also partner with the Sierra Streams Institute (SSI) to provide forest health and fire risk curriculum to 3rd-5th graders in schools adjacent to the Woodpecker Ravine. SSI staff will work with teachers, researchers, and land managers to identify forest plots within and outside of the fuel management area. Plot measurements will include:

- Tree density.
- Tree species diversity.
- Tree size.
- Downed fuel load/woody debris.
- Canopy closure/density.
- Cone, seed, and seedling density.

Data collection will follow protocols previously established by SSI for the Our Forests program, allowing data compatibility with multiple other Forest Investigation sites throughout the County, as well as with regularly used national and regional public forest datasets. Plot establishment within the treatment area will allow students to learn about forest health before and after fuels treatments by comparing forest inventories, fuel loads, and other measures of health among plots from treated vs untreated areas before and after treatment. SSI will assist in developing teacher proficiency to teach forest science concepts and working with students outdoors. Protocols from the current iteration of the Our Forests project will also be revised during this task to accommodate data compatibility between prior Forest Investigation Zones and the target fuel modification area. Following teacher training and protocol, SSI education staff will guide field Forest Investigation activities including forest inventory data collection and field learning exercises. This training consists primarily of the "Forests Institute", which equips teachers with the knowledge to address student questions related to forest health in the field, as well as tools for increasing student engagement with forest health data. Plots will then be visited by the same teacher with new classes each year over the project period, allowing students to engage with time-series data to assess impacts of treatments or change over time. SSI staff will not only guide data collection and field investigations directly, but will also provide logistical support, arranging transportation through Durham School Services, and producing data collection materials, field supplies, and providing all equipment needed for forest inventories, reducing teacher/school equipment purchasing burden. Field support will primarily consist of one or more SSI technicians guiding forest investigations in the first year and providing teacher support in the second and third years.

Section IV :

Project Implementation

1. Discuss the anticipated timeline for the project. Make sure to take seasonal restrictions into account. :

Assuming awards are announced in August 2023, OES will bring the grant agreement to the Board of Supervisors within a month of receipt. County of Nevada anticipates going out to bid for a Registered Professional Forester and arranging for a contractor to complete the CalVTP or CEQA process in the fall of 2023. It is anticipated that the environmental review process for the Woodpecker Ravine Shaded Fuel Break Phase 2 project activities will commence in the first quarter of 2024 to capture key seasonal phenology for wildlife and botanical species (nesting birds, amphibians) and take about a year to complete. Therefore, hazardous fuels reduction is expected to commence in Quarter 1 of the 2025 calendar year. Hazardous fuels reduction activities are expected to take approximately 3 years given the realistic window in spring and fall when winter weather and fire season respectively have abated. It is anticipated that the project will be complete by March 2028.

2. Verify the expected timeframes to complete the project will fall under the required completion dates depending on the source of the funds awarded. : This project will be completed under the required completion date of March 15, 2029.

3. Using bullets, list the milestones that will be used to measure the progress of the project. : Milestones:

TASK 1: Project Administration • Board of Supervisors to accept and execute the grant agreement within 30 days of grant award. • Quarterly Financial Reports to be submitted within 30 days of the end of every calendar quarter. • Quarterly Progress Reports to be submitted within 30 days of the end of every calendar quarter. • Final Financial Reports to be submitted within 30 days of the project completion date. • Final Report to be submitted within 30 days of the grant expiration and simultaneous with Final Financial Report. • Request for Proposals for consultant to complete California Vegetation Treatment Program's (CalVTP) Project-specific Analysis to be released within 3 months of grant award. • Request for Proposals for Registered Professional Forester to assist with the treatment prescription to be released within 1 year of grant award. • Request for Proposals for Fuels Treatment vendor to implement the treatment prescription to be released within 1 year of grant award. • Request for Proposals for Herbicide Application vendor to implement the treatment prescription to be released within 1 year of grant award. • Graphic Designer to be contracted with within 60 days of grant award. • Website Designer to be contracted with within 60 days of grant award. TASK 2: Wildfire Mitigation Education • Send press release to the local media and promote on Nevada County OES's website and social channels like NextDoor, Facebook, Twitter, and Instagram within 7 days of fund acceptance and grant agreement execution by Board of Supervisors. • Develop project materials within 60 days of grant award, complete with required statements, boilerplate language, and logos and update across life of the project. • Develop project webpage within 6 months of grant award, complete with required statements, boilerplate language, and logos and update across life of the project. • Send direct mail correspondence to property owners in the project footprint within 6 months of grant award. • Project updates quarterly at Virtual Office Hours and Quarterly Wildfire Stakeholder Meetings. • Wildfire resilience education at outreach events and to Firewise Communities by request. • Public Meeting to introduce residents to the project within 6 months of grant award. • Public Meeting to check in with residents about their project experience within 18 months of grant award. • Conduct earned media radio interviews regarding the project and its benefits across the life of the project. TASK 3: Environmental Compliance • Consultant to complete California Vegetation Treatment Program's (CalVTP) Project-specific Analysis within 5 months of grant award. • CEQA to be complete within 12 months of grant award. TASK 4: Hazardous Fuels Reduction • Registered Professional Forester identified and contracted with within 15 months of grant award. • Fuels Treatment vendor to implement the treatment prescription identified and contracted with within 15 months of grant award. • Herbicide Application vendor identified and contracted with within 15 months of grant award. • Road Signs to be purchased within one year of grant award. • Pre-Project Photos to be taken within one year of grant award. • Post-Project Photos to be taken 60 days prior to the project completion date. • GIS files to be updated 30 days prior to the project completion date.

4. Using bullets, list the measurable outcomes (i.e. project deliverables) that will be used to measure the project's success. : TASK 1: Project Administration • Quarterly Reports Submitted: Life of Project • Invoices and Back-Up Documentation Submitted: Life of Project • Final Reports Submitted: 1 • Final Invoice Submitted: 1 •

Request for Proposals Released: 4 TASK 2: Wildfire Mitigation Education • Number of Public Meetings Held: 2 • Number of Project Updates at Virtual Office Hours: 12 • Number of Project Updates at Quarterly Wildfire Stakeholder Meetings: 12 • Project Website: Life of Project • Number of Right of Entry and Landowner Maintenance Agreements: Minimum 600 • Press Releases, Media Interviews, Social Media Posts: Life of Project TASK 3: Environmental Compliance • CEQA Compliance: within 12 months of grant execution TASK 4: Hazardous Fuels Reduction • Treatment Design by Registered Professional Forester • Number of Acres Treated: Minimum 726 acres treated. • Number of Parcels Treated: Minimum 600 parcels treated. • GIS files to document spatial extent of project. • Pre-and-Post Project Photos.

5. If applicable, how will the requirements of the California Environmental Quality Act (CEQA) be met? :

County of Nevada intends to utilize the CalVTP Program Environmental Impact Report process to meet the requirements of CEQA.

6. List any existing forest or land management plans; Conservation Easements; Covenant, Conditions & Restrictions (CC&R's); matters related to zoning; use restrictions, or other factors that can or will limit the wildfire prevention proposed activity? : There are not any existing forest or land management plans; Conservation Easements; Covenant, Conditions & Restrictions (CC&R's); matters related to zoning; use restrictions, or other factors that can or will limit the wildfire prevention proposed activity to the knowledge of the County of Nevada.

Section V :

Administration

1. Describe any previous experience the project proponent has with similar projects. Include a list of recent past projects the proponent has successfully completed if applicable. Project applicant or manager having no previous experience with similar projects should discuss any past experiences that may help show a capacity to successfully complete the project being proposed. This may include partnering with a more experienced organization that can provide project support. : The County of Nevada has extensive experience in applying for and successfully managing grants, including private, state, and federal grants, maintaining a stellar track record of successful outcomes, completion, and compliance. The Nevada County Office of Emergency Services (OES) specifically secures and manages major state and federal grants and prides itself on the timely completion of grant funded projects while reaching desirable milestones. Nevada County OES regularly applies for, receives, and manages the Emergency Management Performance Grant and the Homeland Security Grant. Other recent large grants OES has secured include: Ponderosa West Funder: CAL FIRE Grant Agreement #: 5GG18114 Amount: \$2,536,477 + \$1,000,000 in a separate contract Description: 1,200-acre shaded fuel break (fuels management defense zone) adjacent to Grass Valley on both private and Nevada County maintained lands. Timeline: Closed March 15, 2022 South County Shaded Fuel Break Funder: CAL FIRE Grant Agreement #:5GG20116 Amount: \$952,610 Description: 339-acre, 150-foot-wide roadway shaded fuel break. Runs east-west on Lodestar Road to Buck Mountain Road between state Highway 49 and Dog Bar Road. Project identifies FSC as the project partner. Timeline: January 11, 2022-March 15, 2025 County Coordinator Funder: California Firesafe Council Grant Agreement #: 21CALFIRE 370779 Amount: \$175,000 Description: To educate, encourage, and develop county-wide collaboration and coordination among wildfire mitigation groups, connecting these groups with county-level emergency management officials, collaborating on wildfire mitigation projects of county-wide importance. Timeline: November 15, 2021-May 31, 2022 Access and Functional Needs - 4353 Funder: FEMA HMGP Grant Agreement #: DR-4353-0230033R Amount: \$516,273.75 (federal); \$172,091.25 (non-federal share); \$34,418.25 (Mgmt Cost) = \$722,783.25 (total) Description: Defensible space treatment completed on 78 properties; 400 plus homes qualified for treatment in Phase II Timeline: July 13, 2021-April 2, 2023 Access and Functional Needs - 4344 Funder: FEMA HMGP Grant Agreement #: DR-4353-0230033R Amount: \$498,167.29 (federal); \$166,055.76 (non-federal share) = \$664,223.05 (total) Description: Defensible space treatment completed on 45

properties; 365 homes qualified for treatment in Phase II. Timeline: May 14, 2021-April 2, 2023 Ponderosa West Grass Valley Defense Zone Extension Funder: USDA Forest Service, Pacific Southwest Region, Fire and Aviation Management Grant Agreement #: 22-DG-11052012-133 Amount: \$750,000 Description: To complete treatment on 600 acres of private land. Local match of \$750,000. Timeline: FY22 (July 1, 2022-June, 30, 2024) Woodpecker Ravine Shaded Fuel Break Funder: CAL FIRE Grant Agreement #: 5GG1227 Amount: \$2,178,004 Description: To complete 410 acres of shaded fuel break treatment in an area flanked by critical evacuation corridors (Highway 49, Highway 174). Timeline: August 2022-March 15, 2026 Nevada County Evacuation Route Planning Funder: California Firesafe Council (via Cal Fire) Grant Agreement #: 5GG21105 Amount: \$135,422 Description: To complete wildfire and traffic modeling to develop an Evacuation Route Improvement Plan. Will pair evacuation planning with community education to make egress routes safer and evacuations smoother. Timeline: July 2022-March 15, 2024 OES reviews and ensures collaboration with agency plans such as the California Strategic Fire Plan, the local CAL FIRE Nevada-Yuba-Placer Strategic Plan, and other national, state, local level emergency plans. Additionally, the Office of Emergency Services has a strong partnership with Fire Safe Council of Nevada County and the Coalition of Firewise Communities. All grant applications countywide are approved by the CEO's office, and fiscal alignment monitored and supported by the Auditor/Controller.

2. Identify who will be responsible for tracking project expenses and maintaining project records in a manner that allows for a full audit trail of any awarded grant funds. : The Office of Emergency Services, under the Information and General Services Agency of Nevada County will track project expenses and maintain project records in a manner that allows for a full audit trail of any awarded grant funds.

Section VI :

Budget

A detailed project budget should be provided in the online budget included in this solicitation. The space provided here is to allow for a narrative description to further explain the proposed budget.

1. Explain how the grant funds, if awarded, will be spent to support the goals and objectives of the project. If equipment grant funds are requested, explain how the equipment will be utilized and maintained beyond the life of the grant. : If awarded, grant funds will be spent on County of Nevada Staff Time to administer the grant, manage the project, and lead Wildfire Mitigation Education activities. Contracts with a number of professionals who will implement the project will also be executed. OES foresees contracting with a firm or team of individuals to compile the CalVTP to meet CEQA requirements, a Registered Professional Forester, a Fuels Treatment Vendor, a Herbicide Application Vendor, and Graphic Design and Website Design consultants. No equipment grant funds are requested, although supply funds for road signs are requested. In sum, grant funds will support the implementation of 726 acres of hazardous fuels reduction and robust community education about the importance of wildfire resilience.

2. Are the costs for each proposed activity reasonable for the geographic area where they are to be performed? Identify any costs that are higher than usual and explain any special circumstances within the project that makes these increased costs necessary to achieve the goals and objectives of the project. : The costs for the proposed activities are based on similar projects completed in the area. County of Nevada Salaries and Wages and Employee Benefits are based on actual costs and quantity of hours is based on similar projects and activities completed and/or underway. Contractual line items are based on similar projects completed. Per acre treatment costs account for resource saturation and foreseeable variance in treatment type based on the nature of the thickly wooded, steep area to be treated. Road signs are included as necessary Supplies for this project based on the elevated need for public safety for the duration of project work, much of which will take place along narrow and winding roads. Graphic Design and Website Design are both included under Other Costs to ensure that the visibility of this important work is elevated. Costs associated with these items are based on similar work that County of Nevada is currently engaged in.

3. Is the total project cost appropriate for the size, scope, and anticipated benefit of the project? : The total project cost is appropriate for the size, scope, and anticipated benefit of the project. Development of the budget relied on outcomes of projects recently completed and/or underway to accurately assess true and reasonable cost. Additionally, when compiling the Building Resilient Infrastructure and Communities (BRIC) grant, which is focused on fuels treatment, home-hardening, and defensible space implementation in the Woodpecker Ravine, the benefit cost analysis ratio generated from the FEMA-provided calculator indicated a benefit-cost ratio of 7.98. Benefit-Cost Analysis (BCA) is a method that determines the future risk reduction benefits of a hazard mitigation project and compares those benefits to its costs. The result is a Benefit-Cost Ratio (BCR). A project is considered cost-effective when the BCR is 1.0 or greater. Therefore, this project is considered highly cost-effective.

4. Using bullets please list each object category amount that you are requesting and the detail of how that would support meeting the grant objectives. : • Salaries and Wages: \$91,150 Senior Administrative Analyst: 700 hours @ \$46.45/hour Administrative Analyst 2: 1500 hours @ \$39.09/hour County of Nevada staff (Senior Administrative Analyst and Administrative Analyst 2) will oversee the implementation of fuels treatment on 726 acres. This job will entail communicating this project to the public and media, coordinating Virtual Office Hours and Quarterly Wildfire Stakeholder Meeting updates on the project, developing a website, participating in public engagement meetings, providing landowner agreements online, coordinating landowner participation, securing landowner agreements, going out to bid for and hiring vendors, managing fuels treatment contractors, scheduling treatments, managing invoicing and requests for reimbursement, completing grant reporting, maintaining photo-documentation of before and after treatment, quality validation, and coordinating a second round of follow up fuels treatment if time and funds permit. • Employee Benefits: \$58,272 Senior Administrative Analyst: 700 hours @ \$46.45/hour Administrative Analyst 2: 1500 hours @ \$39.09/hour Employee benefits associated with actual hours worked to accomplish project tasks detailed under the Salaries and Wages section. • Contractual: CalVTP: \$110,000 The County of Nevada Senior Administrative Analyst will go out to bid for a firm will be contracted to complete the California Vegetation Treatment Program's (CalVTP) Project-specific Analysis. County of Nevada aims to expedite the traditional CEQA process and timeline by utilizing the Board of Forestry and Fire Protection's CalVTP which includes the use of mechanical treatments, manual treatments, and herbicides as tools to reduce hazardous vegetation around communities in the Wildland-Urban Interface (WUI), to construct fuel breaks, and to restore healthy ecological fire regimes. Registered Professional Forester: \$290,400 The County of Nevada Senior Administrative Analyst will go out to bid and hire a Registered Professional Forester to assist with the treatment prescription for the full 726 acres. It is estimated that this service will cost approximately \$400 per acre. Fuel Treatment: \$2,686,200 The County of Nevada Senior Administrative Analyst will go out to bid and hire a qualified vendor to complete fuels reduction activities. County of Nevada estimates a \$3,700 per acre cost for fuels treatment along critical evacuation routes and strategic ridges. It is anticipated that 726 acres will be treated utilizing a combination of methods ranging from hand crews, chipping, mastication, and chemical treatment. This per acre costs considers the steep topography of the ravine, resource saturation, and inflation. Herbicide Application: \$211,400 County of Nevada will work with a Registered Professional Forester to deem whether the use of chemical treatment is appropriate and applicable for follow up targeted application. The County of Nevada Senior Administrative Analyst will go out to bid and hire a professional with a Qualified Applicator's License to safely administer this treatment. It is estimated that follow up treatment will cost \$350 per acre. • Travel & Per Diem: N/A • Supplies: Road Signs: \$37,500 The County of Nevada will purchase road signs in sufficient number to allow multiple crews to work safely on this project in up to five locations at a time. Woodpecker Ravine has many narrow and winding roads in steep, densely vegetated settings and road signs will ensure public safety for the duration of the project. • Equipment: N/A • Other Costs: Graphic Design: \$5,000 Graphic design services will be contracted to develop project assets that communicate the goals, objectives, and progress of the project. Program collateral could include postcards, social media graphics, signage, flyers, letterhead, etc. These services are anticipated to be frontloaded at the beginning of the grant to communicate the project and help with landowner recruitment. It is estimated that a graphic designer will work approximately 60-80 hours at a rate of \$60-\$75 per hour. Website Design: \$5,200 Website design services will be contracted to develop a project website to communicate the goals,

objectives, and progress of the project. County of Nevada aims to create an interactive ArcGIS StoryMap to engage the public around this project and provide up-to-date information, including visuals. It is estimated that a website designer will work approximately 60-80 hours at a rate of \$60-\$75 per hour. • Indirect Costs: \$419,415 Indirect costs are calculated at 12% of total direct costs (excluding equipment).

5. Does your project include the purchase of capital equipment (more than \$5,000 per item)? : No

Section VII :

California Climate Investments

The space provided here is to allow for a narrative description to further explain how the project/activity will reduce Greenhouse Gas emissions.

1. How will the project/activity reduce Greenhouse Gas emissions? : Wildfire mitigation projects represent an opportunity to foster climate resilience that is beneficial statewide. Forests are California's largest carbon sink (California Air Resources Board (CARB), 2018) and more than 70% of carbon-storing forested land in California is in the Sierra Nevada (SNC, 2018). If our forests burn, they are our state's single greatest carbon emission liability. However, through wildfire mitigation projects like the Woodpecker Ravine Shaded Fuel Break Phase 2 Project we can restore healthy forests that are less likely to burn and store more carbon. Nationwide forests offset nearly 16% of the country's carbon dioxide emissions. Historically, Sierra Nevada forests have played a major role in removing carbon dioxide from the atmosphere and storing it as carbon in the soil, branches, and trunks of trees. As forest conditions decline, these ecosystems are undergoing a shift from being California's largest carbon sink to a carbon source. In 1990, forested areas were removing an estimated 13 million metric tons of carbon dioxide a year; between 2001 and 2011 California's forests emitted more carbon than they sequestered (Gonzales et al., 2015; SNC, 2019). When wildfires occur, the climate impacts are even more immediate and dire. In 2015, emissions from California wildfires on federal land alone were 22.8 million metric tons of CO₂ equivalent, vastly overshadowing the State's decline in economic related emissions (1.49 million metric tons of CO₂ equivalent) (USFS and CARB estimates). In 2013, the smoke plume of the 257,000-acre Rim Fire released what 2.57 million cars emit in a year (Garcia et al., 2017). Nearly a decade later, the 2021 Dixie Fire ravaged almost 1 million acres, underscoring the need to plan for landscape-scale impact. By reducing the fuels along egress routes and in the Project Treatment Zone, the Woodpecker Ravine Shaded Fuel Break Phase 2 Project will improve the safety of the residents, increase the effectiveness and safety of firefighters, and reduce fire suppression costs while at the same time reducing the fuel load for these fires and the eventual greenhouse gas emissions that result from such wildfires. Greenhouse gas emissions will be reduced by: • Reducing emissions from wildfire. • Stabilizing long-term storage of carbon in biomass. • Reducing fire hazards in and near communities and infrastructure that provides a direct benefit to State Responsibility Area. • Improving health and resilience of treated areas for increased carbon sequestration.

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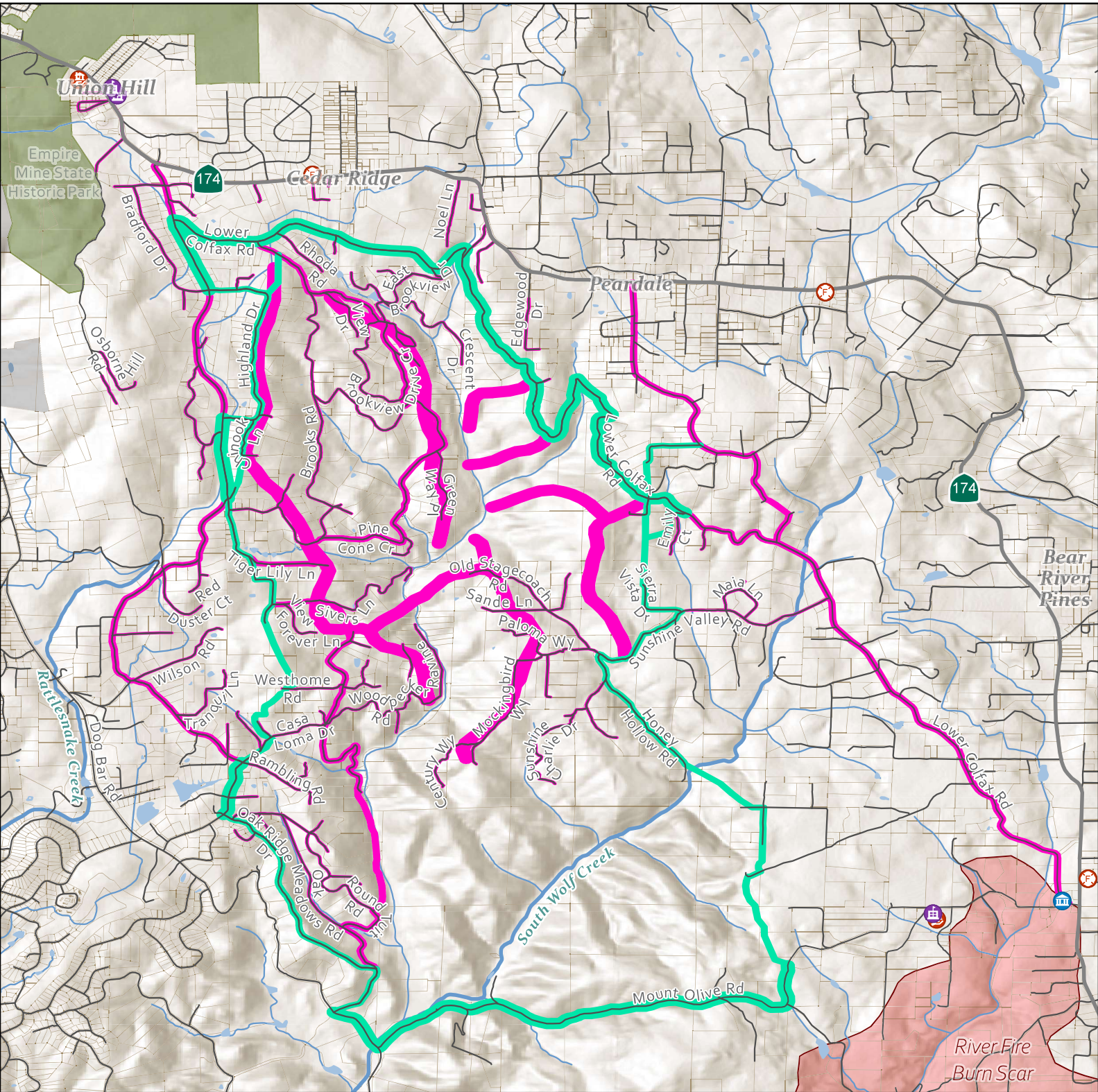
Budget Report

Passthrough Agency: California Department of Forestry and Fire Protection (CAL FIRE)
Program: FY 2022-2023 Wildfire Prevention Grants
Stage: Pre-Award

Report Date: 08/02/2023
Requested By: Alex Keeble-Toll
alex.keeble-toll@nevadacountyca.gov

Budget Items

Category	Title	Description	Units	Unit Cost	Extended Cost	Direct Cost	Indirect Cost	GL Account	Cost Share	Type
Salaries & Wages										
	Senior Administrative Analyst	Hours	700	\$46.45	\$32,515.00	\$32,515.00	\$3,901.80		\$0.00	Direct Cost
	Administrative Analyst 2	Hours	1500	\$39.09	\$58,635.00	\$58,635.00	\$7,036.20		\$0.00	Direct Cost
Salaries & Wages Total			2200	\$85.54	\$91,150.00	\$91,150.00	\$10,938.00		\$0.00	
Employee Benefits										
	Senior Administrative Analyst	Hours	700	\$29.16	\$20,412.00	\$20,412.00	\$2,449.44		\$0.00	Direct Cost
	Administrative Analyst 2	Hours	1500	\$25.24	\$37,860.00	\$37,860.00	\$4,543.20		\$0.00	Direct Cost
Employee Benefits Total			2200	\$54.40	\$58,272.00	\$58,272.00	\$6,992.64		\$0.00	
Contractual										
	CalVTP/CEQA	Contract	1	\$110,000.00	\$110,000.00	\$110,000.00	\$13,200.00		\$0.00	Direct Cost
	Registered Professional Forester	Acres	726	\$400.00	\$290,400.00	\$290,400.00	\$34,848.00		\$0.00	Direct Cost
	Fuel Treatment	Acres	726	\$3,700.00	\$2,686,200.00	\$2,686,200.00	\$322,344.00		\$0.00	Direct Cost
	Herbicide Application	Acres	604	\$350.00	\$211,400.00	\$211,400.00	\$25,368.00		\$0.00	Direct Cost
Contractual Total			2057	\$114,450.00	\$3,298,000.00	\$3,298,000.00	\$395,760.00		\$0.00	
Travel & Per Diem										
			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	Direct Cost
Travel & Per Diem Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	
Supplies										
	Road Signs	Each	15	\$2,500.00	\$37,500.00	\$37,500.00	\$4,500.00		\$0.00	Direct Cost
Supplies Total			15	\$2,500.00	\$37,500.00	\$37,500.00	\$4,500.00		\$0.00	
Equipment										
			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	Direct Cost
Equipment Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	
Other Costs										
	Graphic Design	Contract	1	\$5,000.00	\$5,000.00	\$5,000.00	\$600.00		\$0.00	Direct Cost
	Website Design	Contract	1	\$5,200.00	\$5,200.00	\$5,200.00	\$624.00		\$0.00	Direct Cost
Other Costs Total			2	\$10,200.00	\$10,200.00	\$10,200.00	\$1,224.00		\$0.00	
Indirect Cost										
	To be used by CAL FIRE staff only	To be used by CAL FIRE staff only	0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	Direct Cost
Indirect Cost Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	
Other										
Category	Title	Description	Units	Unit Cost	Extended Cost	Direct Cost	Indirect Cost	GL Account	Cost Share	Type
Other										
Other Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	
Grant Total			6474	\$127,289.94	\$3,495,122.00	\$3,495,122.00	\$419,414.64		\$0.00	
						\$3,914,536.64	Total Award Including Indirect			



Legend

- Phase 1 Shaded Fuel Break (410 ac.)
- Phase 2 Shaded Fuel Break (726 ac.)
- Parcels
- City Boundaries
- Parks

- Roads
- Lakes & Ponds
- Streams, Creeks & Rivers

- ✈

 Airport
- 🚒

 Fire Station
- 🏛

 Government Building
- 🏥

 Hospital/Healthcare
- ⚡

 PG&E
- 🎓

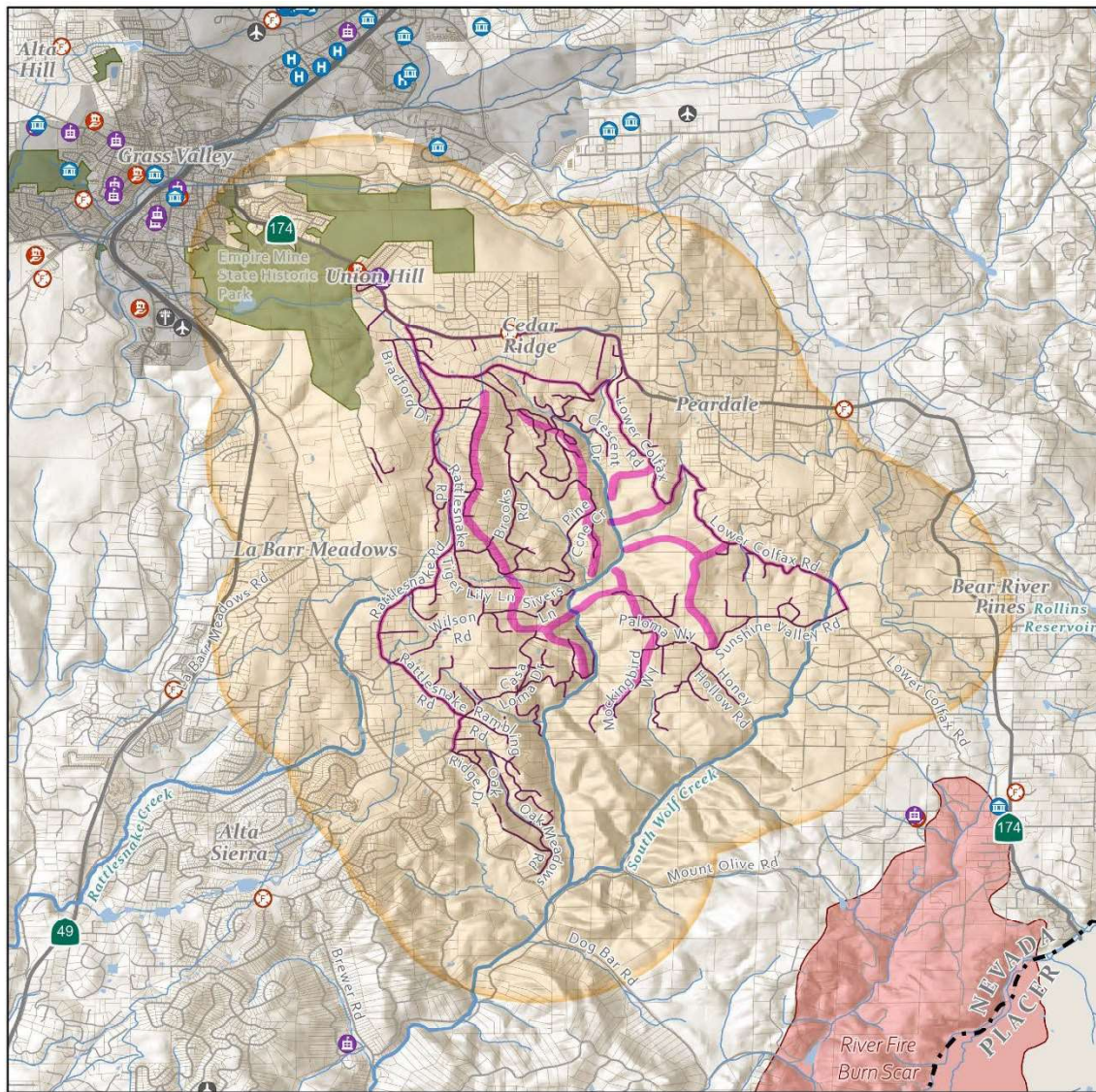
 School
- 🏠

 Shelter





22-WP-NEU-48199437: Woodpecker Ravine Shaded Fuel Break Phase 2



Legend

- Phase 1 and Phase 2 Treatment Zones
- Project Influence Zone (14,531 ac.)
- Parcels
- City Boundaries
- Parks
- County Boundary
- Roads
- Lakes & Ponds
- Streams, Creeks & Rivers

- Airport
- Fire Station
- Government Building
- Hospital/Healthcare
- PG&E
- School
- Shelter



Hazard Exposure and Social Vulnerability

In this map, census tracts in California are ranked according to their estimated hazard exposures and social vulnerability. Each tract for which data is available is assigned a percentile ranking between zero and one on both measures.

Hazard exposure is based on OES analysis of several datasets related to wildfire, flood, earthquake, drought and heat wave frequencies. Social vulnerability is based on the 2018 CDC Social Vulnerability Index. Census tract boundaries in this map are drawn from 2018 TIGER/Line shapefiles published by the Census Bureau.

According to the Hazards and Social Vulnerability Heat Map, County of Nevada’s census tract 6 is considered to be in the .92 percentile for Fire Hazard and .76 for Social Vulnerability.

Hazards and Social Vulnerabilities	
Location	Census Tract 6, Nevada County, California
Fire Hazard Percentile	0.92
Earthquake Hazard Percentile	0.01
Flood Hazard Percentile	0.46
Drought Hazard Percentile	0.28
Heat Hazard Percentile	0.66
Overall Hazard Exposure Percentile	0.49
Social Vulnerability Percentile	0.76

Centers for Disease Control and Prevention (CDC) Social Vulnerability Index 2018 – USA



Social vulnerability refers to a community's capacity to prepare for and respond to the stress of hazardous events ranging from natural disasters, such as tornadoes or disease outbreaks, to human caused threats, such as toxic chemical spills. The CDC Social Vulnerability Index (CDC SVI 2018) County Map depicts the social vulnerability of communities, at census tract level, within a specified county. CDC SVI 2018 groups fifteen census-derived factors into four themes that summarize the extent to which the area is socially vulnerable to disaster. The factors include economic data as well as data regarding education, family characteristics, housing, language ability, ethnicity, and vehicle access. Overall Social Vulnerability combines all the variables to provide a comprehensive assessment.

In Nevada County, census tracts 1.02, 1.04, 5.01, 5.02, and 6 register as moderate to high vulnerability in at least one of the Centers for Disease Control's Social Vulnerability Index (SVI) social themes. Themes include Socioeconomic, Household Composition/Disability, Minority/Language, and Housing/Transportation. The SVI range is from 0 to 1, with 0 being the lowest vulnerability and 1 being the highest vulnerability. Census tract 5.01 has an Overall SVI percentile of .79, census tract 5.02 has an Overall SVI percentile of .75, and census tract 6 has an Overall SVI percentile of .88. Please see below for details on the moderate to high vulnerability of census tracts which will benefit from the proposed project.

