



## DEPARTMENT OF FORESTRY AND FIRE PROTECTION

P.O. Box 944246  
SACRAMENTO, CA 94244-2460  
(916) 653-7772  
Website: www.fire.ca.gov



June 4, 2020

**Trisha Tillotson**  
**Nevada County - Department of Public Works**  
**950 Maidu Avenue**  
**Nevada City, CA 95959**

**5GG19133; Egress/Ingress Fire Safety Project**

**This agreement cannot be considered binding on either party until approved by appropriate authorized CAL FIRE designee. No services should be provided prior to approval, as the State is not obligated to make any payments on any Agreement prior to final approval. FAILURE TO RETURN ALL DOCUMENTS BY DATE BELOW MAY RESULT IN LOSS OF FUNDING.**

**Please contact Elsa Hucks at (530) 889-0111 x127 if you have questions concerning services to be performed.  
Please contact Bobby Nguyen at (916) 651-6620 if you have any administrative questions or concerns.**

1.  Full grant agreement including terms and conditions, grant application form, scope of work, budget and map enclosed. Print (single sided) and return two (2) sets of agreements with original signatures in blue ink to be received by CAL FIRE no later than **August 21, 2020**.

Return all originals and requested documents for further processing to:  
Department of Forestry and Fire Protection  
Attention: GMU/CCI FP  
P.O. Box 944246  
Sacramento, CA 94244-2460

Alternatively, you may opt to sign and scan the agreement back to your grant analyst in lieu of mailing it in. Additionally, the use of an electronic signature will be considered acceptable at this time.

2.  Enclosed for your record is one fully executed copy of the agreement referenced above. When billing for services performed under this agreement, your invoices must reference the agreement number above and be submitted to the contract manager.

Thank you,

Bobby Nguyen  
Grants Analyst  
Grants Management Unit

Enclosures

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

**APPLICANT:** Nevada County - Department of Public Works  
**PROJECT TITLE:** Egress/Ingress Fire Safety Project  
**GRANT AGREEMENT:** 5GG19133

**PROJECT PERFORMANCE PERIOD IS from Upon Approval through May 31, 2022.**

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 Dept. of Forestry & Fire Protection, agrees to fund the project up the total state grant amount indicated.

**PROJECT DESCRIPTION:** Remove hazardous fuels along 200 miles of County maintained roads (approximately 245 acres) throughout Nevada County in and directly adjacent to State Responsibility Areas including 42 Communities at Risk, homes, critical infrastructure and other highly valued resources.

**Total State Grant not to exceed \$ 868,084.00** (or project costs, whichever is less)

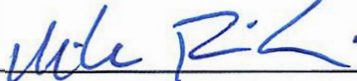
*\*The Special and General Provisions attached are made a part of and incorporated into this Grant Agreement.*

Nevada County - Department of Public Works

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

Applicant

By   
Signature of Authorized Representative

By 

Name & Title: Trisha Tillotson, Director of Public Works  
Date 4/28/20

Title: Mike Richwine, State Fire Marshal, Acting  
Date 5/13/2020

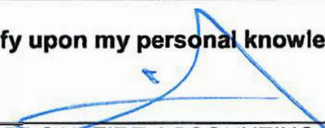
**CERTIFICATION OF FUNDING**

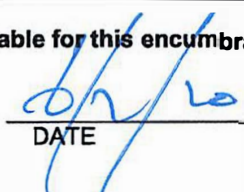
|  |   |                           |                              |                    |
|--|---|---------------------------|------------------------------|--------------------|
| AMOUNT OF ESTIMATE FUNDING<br><b>\$ 868,084.00</b> | GRANT AGREEMENT NUMBER<br><b>5GG19133</b> | PO ID                     |                              |                    |
| ADJ. INCREASING ENCUMBRANCE<br><b>\$ 0.00</b>      | SUPPLIER ID                               |                           |                              |                    |
| ADJ. DECREASING ENCUMBRANCE<br><b>\$ 0.00</b>      | PROJECT ID                                |                           | ACTIVITY ID                  |                    |
| UNENCUMBERED BALANCE<br><b>\$ 868,084.00</b>       | GL UNIT<br><b>3540</b>                    | BUD REF<br><b>001</b>     | FUND<br><b>3228</b>          | ENY<br><b>2019</b> |
| REPORTING STRUCTURE<br><b>35409205</b>             | SERVICE LOC<br><b>92014</b>               | ACCOUNT<br><b>5340580</b> | ALT ACC<br><b>5340580000</b> |                    |

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

SIGNATURE OF CAL FIRE ACCOUNTING OFFICER

DATE





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 Nevada County - Department of Public Works, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed Eight Hundred Sixty Eight Thousand Eighty Four Dollars (**\$868,084.00**).
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 Fire Prevention Program Grant Guidelines 2019-2020
  - b. The submitted Application, Scope of Work, Budget Detail, GHG Emissions Reduction Methodology and Exhibits
  - c. Addendum for Greenhouse Gas Reduction Fund (GGRF) 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.

**III. GENERAL PROVISIONS**

1. Definitions

- a. The term “Agreement” means grant agreement number 5GG19133.
- 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.

2. Project Representatives

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

|   |   |
|---|---|
| STATE: CAL FIRE   | GRANTEE: Nevada County -<br>Department of Public Works        |
| Section/Unit: NEU   | Section/Unit:   |
| Attention: Elsa Hucks                                     | Attention: Trisha Tillotson                                   |
| Mailing Address:<br>13760 Lincoln Way<br>Auburn CA, 95603 | Mailing Address:<br>950 Maidu Avenue<br>Nevada City CA, 95959 |
| Phone Number: (530) 889-0111 x127                         | Phone Number: 530-265-1718                                    |
| Email Address:<br>Elsa.Hucks@fire.ca.gov                  | Email Address:<br>trisha.tillotson@co.nevada.ca.us            |

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 in no event less than 90 days from the Agreement expiration date and in no event less than 60 days before the effective date of the amendment. 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 date the last party signs the Agreement. 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.
- 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 specified herein, which is attached hereto, as Final Project Budget Detail, 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 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.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and no less than quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, expenditures for the current

invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), appropriate supporting documentation, project progress reports, and the signature of an authorized representative of GRANTEE as detailed in the Invoice Guidelines of the California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2019-2020.

- 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 Project Budget Detail approved by the STATE. The dollar amount of an item in the Project Budget Detail may be increased or decreased by up to ten percent (10%) of the budget item through reallocation of funds from another item or items, without approval by the STATE; however, GRANTEE shall notify the STATE in writing in project progress reports when any 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 item 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 to the CAL FIRE Representative identified in Item 2. The invoice may be submitted as hard copy or electronically.
- 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 and must be spent on eligible costs within six months of the advance payment request. GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. The balance of unspent advance payment funds not liquidated within the six-month spending period will be billed for the return of advanced funds to the STATE.
- 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.
- Any advance payment received by a GRANTEE and not used for project eligible costs shall be returned to CAL FIRE. 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.

#### 5. Budget Contingency Clause

- a. If STATE funding for any fiscal year is reduced or deleted for purposes of the Forest Health 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 shall provide the STATE a written report showing total final Project expenditures and matching funds upon Project completion or grant expiration, whichever occurs first. 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 is 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 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 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.

#### 8. 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. 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.

#### 9. 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.

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

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. Assignment

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

ADDENDUM – CALIFORNIA CLIMATE INVESTMENTS (CCI) GRANT PROJECTS

**I. SPECIAL PROVISIONS**

1. Grant funds shall be used on projects with the primary goal of reducing greenhouse gases (GHGs) and furthering the purposes of California’s Global Warming Solutions Act of 2006, Division 25.5 (commencing with Section 38500) of the Health and Safety Code, and related statutes.
2. Grant funds shall be used on projects limited to specific activities as described in CCI Grants Procedural Guides.
3. Greenhouse gas emissions must be calculated using the CARB Greenhouse Gas Quantification Methodology applicable to the grant program (<https://ww2.arb.ca.gov/resources/documents/cci-quantification-benefits-and-reporting-materials>).
4. Grantee shall report project and benefits information when requested by the State. This may include, but is not limited to, funding expended, acres treated, GHG emissions, trees planted, disadvantaged community benefits, energy/water savings, job creation, and other co-benefits.
5. Grantee shall maintain accurate and detailed records documenting project description, project location, and schedule, CCI dollars allocated, and leveraged funds throughout the duration of the project.
6. Failure of Grantee to meet the agreed upon terms of achieving required GHG reduction may result in project termination and recovery of funds.

**II. MONITORING AND REPORTING REQUIREMENTS**

All funds expended through CCI are subject to emissions reporting and requirements. Grantee is expected to provide the appropriate materials for completing program quantification methodology. Grantee shall use the current reporting template provided by the STATE. The reporting shall be submitted to the STATE no less frequently than quarterly. In addition, STATE may request additional information in order to meet current CARB reporting requirements. The requirements are available on the CARB CCI Quantification, Benefits and Reporting Materials webpage: <https://ww2.arb.ca.gov/resources/documents/cci-quantification-benefits-and-reporting-materials>.

### III. PROGRAM ACKNOWLEDGEMENT/RECOGNITION

1. All projects funded both fully and partially by the GGRF must clearly display, identify and label themselves as being part of the “California Climate Investments” program. The acknowledgement must contain the California Climate Investments and CAL FIRE logos as well as the following statement:

*“Funding for this project provided by the California Department of Forestry and Fire Protection as part of the California Climate Investments 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.

Guidance on California Climate Investments logo usage, signage guidelines, and high-resolution files are contained in a style guide available at:

[www.caclimateinvestments.ca.gov/logo-graphics-request](http://www.caclimateinvestments.ca.gov/logo-graphics-request).

2. In addition, all projects funded both fully and partially by GGRF must contain the following statement in public announcements or press releases on said projects:

“Egress/Ingress Fire Safety Project is part of California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment— particularly in disadvantaged communities. The Cap-and-Trade program also creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and much more. At least 35 percent of these investments are located within and benefiting residents of disadvantaged communities, low-income communities, and low-income households across California. For more information, visit the California Climate Investments website at: [www.caclimateinvestments.ca.gov](http://www.caclimateinvestments.ca.gov).”

California Department of Forestry and Fire Protection (CALFIRE)  
California Climate Investments  
Fire Prevention Program Grant Application  
Fiscal Year 2019-20 Funding Opportunity



Please request a Project Tracking # for each separate application by following the instructions for the 2019-20 CCI Grant Guidelines on the [Fire Prevention Grants Web Page](#). Submit the application and all supporting materials to the [www.box.com](#) folder assigned to your tracking number **no later than 3:00pm PST on December 4, 2019**. Please note: Items marked in red are required.

**1. Project Tracking #:** 19-FP-NEU-1131 CalMapper ID: [redacted]  
Project Name/Title: Egress/Ingress Fire Safety Project  
County: Nevada  
CAL FIRE Unit/Contract County (Please use this 3-letter Unit Identifier for file naming. See Question 14): NEU - Nevada-Yuba-Placer Unit

**2. Organization Type:** County If Other, please specify: [redacted]  
If Non-Profit, are you a registered 501(c)(3)?  Yes  No

**3. Sponsoring Organization:** Nevada County - Department of Public Works  
**Project Manager**  
Title: Director of Public Works  
First Name: Trisha Last Name: Tillotson  
Address Line 1: 950 Maidu Avenue  
Address Line 2: [redacted]  
City: Nevada City State: California Zip Code: 95959  
Phone Number: (530) 265-1718 Secondary Phone Number: (530) 265-1411  
Email Address: trisha.tillotson@co.nevada.ca.us Fax Number: (530) 265-9849



4. For which primary activity is funding being requested? Fuel Reduction

5. Grant Period: Please provide the estimated start date and completion date for your project. Projects MUST be completed by March 15, 2024. Note that final billing is due 30 days after project completion. Please use MM/DD/YYYY format.

Project Start Date: 10/15/2020 Project Completion Date: 05/31/2022

6. Limiting Factors: Are there 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?

If checked, describe existing plan(s) and the limitations, if any, in the attached Scope of Work.

7. Timber Harvest Plans: For fuel reduction projects, is there 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?

If checked, provide the THP identification number and describe the relationship to the project in the attached Scope of Work document.

THP ID Number:

8. Community at Risk: Is the project associated with a community that is listed as a Community at Risk? See the list of Communities at Risk on the Office of the State Fire Marshal web page.

Yes No

Number of Communities in the project area: 42

9. Disadvantaged/Low Income Community: Is the project associated with a low-income community that is listed as a Community at Risk? See the information on Priority Population Investments on the California Air Resources Board web page.

Yes No

If Yes, select all that applies:

Disadvantaged Low Income Both Buffer Zone

Tracking #: 19-FP-NEU-1131

Project Name: Egress/Ingress Fire Safety Project

**10. Describe how your proposal would reduce the total amount of wildfire (and thereby reduce wildfire emissions) around communities, homes, infrastructure, and other highly valued resources. Please focus on GHG benefits. (Limited to 700 characters.)**

By removing hazardous fuel along public roads (all are in or directly connected to SRA's), the amount of fire potential around 42 Communities At Risk, homes, infrastructure and other highly valued resources will be significantly reduced by an estimated 900 CY of biomass. The reduction along County roads will improve the health and resilience of treated areas for increased carbon sequestration, support wildfire planning efforts and implementation, and improve public awareness thereby reducing human ignitions. Per the prescribed treatment, greenhouse gas emissions will be minimized by use of hand and mechanical vegetation removal techniques which will provide a prolonged benefit.

**11. Federal Responsibility Area:** Does your project/activity include work on Federal Lands that might require NEPA, or use a framework similar to Good Neighbor Authority?

Non-Tribal Lands:     Yes     No    If yes, how many acres?

Tribal Lands:         Yes     No    If yes, how many acres?

**12. Project Area Statistics:** For all projects, provide an estimate of the Project Influence Zone (PIZ) acres and the Treatment Influence Zone (TIZ) acres.

**PIZ** - The Project influence Zone (PIZ) is the broad geographic area encompassing the neighborhoods or communities that the grant proposal is designed to protect with fuel reductions, public education, or planning activities. This can be the sum of all treatment areas or could include a buffer area around the planning/public education target. Please keep the PIZ from encompassing an overly large area, unless benefits are clearly defined in the Scope-of-Work.

**TIZ** - Treatments are areas within a PIZ, where on-the-ground activities are accomplished (e.g. hazard fuel reductions, shaded fuel breaks, masticating, etc.). There can be multiple discrete Treatment areas associated with a PIZ. Some projects (e.g. Planning & Public Education) may NOT have treatment areas.

|                                | LRA       | FRA       | SRA        |
|--------------------------------|-----------|-----------|------------|
| Project Influence Zone (PIZ)   | 18,775.00 | 75,112.00 | 532,030.00 |
| Treatment Influence Zone (TIZ) | 485.00    |           |            |

Tracking #: 19-FP-NEU-1131

Project Name: Egress/Ingress Fire Safety Project

13. **Project Budget:** What is the proposed budget? Please include a discussion of the project budget in the Scope of Work and enter the amount from the Project Budget workbook (.xls).

| Budget Item                  | Amount     |
|------------------------------|------------|
| Grant Funding Requested (\$) | 868,084.00 |

14. **Local Wildland Fire Risk Reduction Plans:** Is the project in, consistent with, or build on a larger plan that deals with the risk and potential impact to habitable structures in the WUI covered by this project? If so, discuss in the Scope of Work. **Select all that apply.**

- CAL FIRE Unit Strategic Fire Plan
- Homeowners' Association Plan
- Fire Safe Council Action Plan
- County Fire Department Strategic Fire Plan
- Local Fire Department Plan
- FIREWISE Community Assessment
- Other Local Plan (Identify in Scope of Work)
- Local Hazard Mitigation Plan
- Community Wildfire Protection Plan

15. **CEQA Compliance:** Describe how compliance with the California Environmental Quality Act (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"):

Not Applicable

Document Identification Number:

Tracking #: 19-FP-NEU-1131

Page 4 of 5

Project Name: Egress/Ingress Fire Safety Project

**16. Application Submission:**

**Note to Applicant:** If you modify the language contained in any part of this document, other than to fill in the blanks or to provide requested information, your application **will be rejected**.

Use the table below as a tool to make sure you have all documents ready prior to submitting the application.

Replace "XXXX" in the file name with the project's ID Number. Replace "UUU" in the file name with the 3-letter identifier for the Unit where the project is located. Unit identifiers are listed in the instructions for this application form.

| Attachments  | File Name   |
|--|---|
| <input checked="" type="checkbox"/> Application Form (.pdf)  | 19-FP-NEU-1131-Application.pdf                            |
| <input checked="" type="checkbox"/> Scope of Work (.doc)   | 19-FP-NEU-1131-SOW.doc                                    |
| <input checked="" type="checkbox"/> Project Budget (.xls)  | 19-FP-NEU-1131-Budget.xls                                 |
| <input checked="" type="checkbox"/> Project Map (.pdf)   | 19-FP-NEU-1131-MAP.pdf                                    |
| <input checked="" type="checkbox"/> Articles of Incorporation (.pdf) - Applies to Non-Profits only | 19-FP-NEU-1131-AOI.pdf                                    |
| <input checked="" type="checkbox"/> NIFC/Mapping   | <a href="#">Create a Geo Point &amp; Polygon</a> web link |

I certify that the above and attached information is true and correct:

  
**Original Signature Required: Grantee's Authorized Representative**

12/03/2019  
**Date Signed**

Steve Monaghan  
**Printed Name**

Director  
**Title**

Executed on: 12/03/2019 at Nevada City  
**Date City**

Please fill out this form completely. Be sure to save a copy of this form and all attachments for your records. Submit the application and all supporting materials to the [www.box.com](http://www.box.com) folder assigned to your tracking number **no later than 3:00pm PST on December 4, 2019**. Please submit the documents as early as possible to avoid unanticipated issues. **Applications submitted or modified on the [www.box.com](http://www.box.com) folder after this date will be considered late.** Access to [www.box.com](http://www.box.com) after the due date may be revoked.



California Department of Forestry and Fire Protection  
(CAL FIRE) California Climate Investments  
Fire Prevention Grants Program  
Project Scope of Work



**Project Name: Egress/Ingress Fire Safety Project**

**Project Tracking Number:** 19-FP-NEU-1131

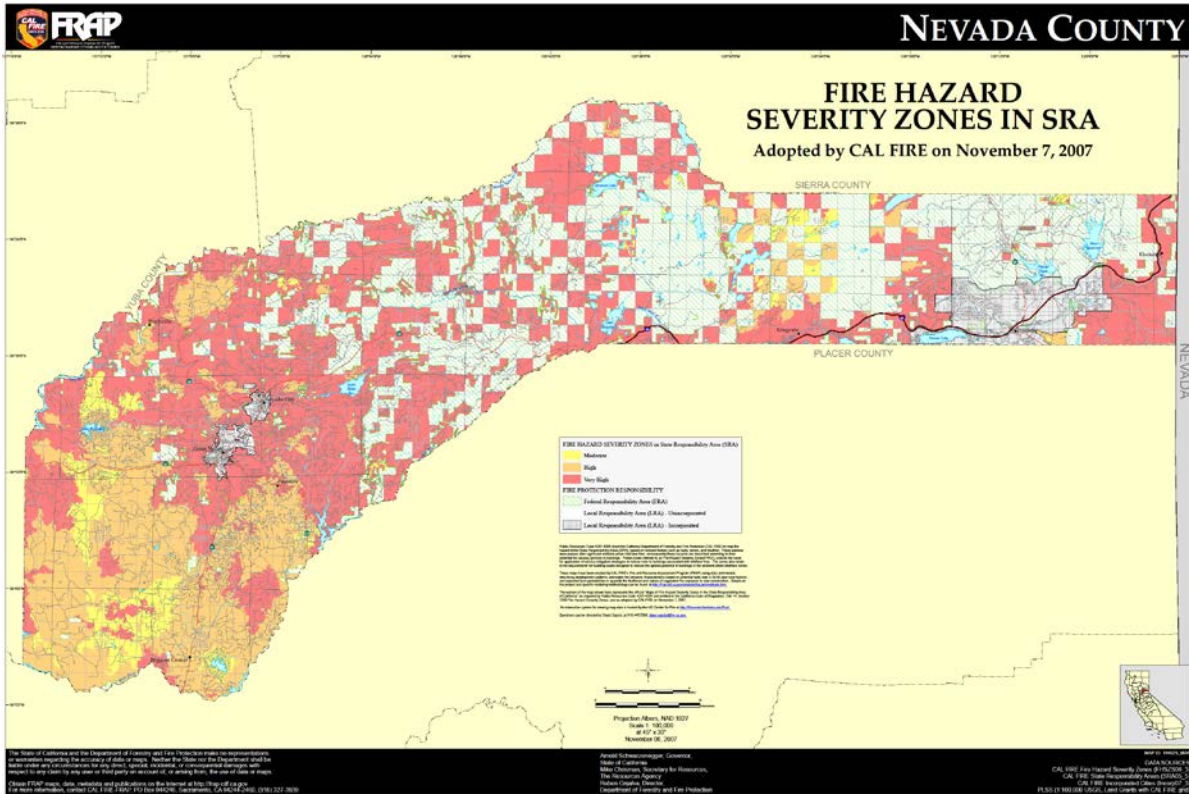
**Project Description Summary:** The goal of this project is to remove hazardous fuels along 200 miles of County maintained roads (approximately 245 acres) throughout Nevada County in and directly adjacent to State Responsibility Areas including 42 Communities at Risk, homes, critical infrastructure and other highly valued resources. The reduction along County maintained roads will improve the health and resilience of treated areas for increased carbon sequestration, support community wildfire planning efforts and plan implementation, and improve public awareness thereby reduce human ignitions. An intensive treatment prescription will reduce potential greenhouse gas emissions by use of hand and mechanical vegetation removal techniques that will provide prolonged benefits not requiring additional efforts for an extended period.

**A. Scope of Work**

**Section 1: Hazardous Fuel Reduction/Removal of Dead or Dying Tree Projects**

1. The project is located on approximately 200 miles of County maintained roads throughout Nevada County, California. Nevada County is in the Sierra Nevada Mountains with a population just over 98,000 whom reside in 53,186 housing units (US Census v 2016).

More than half of Nevada County and most of the County maintained roads are in State Responsibility Area as depicted in Figure 1.



**Figure 1 – Nevada County, Fire Hazard Severity Zones in SRA**

Over 42 Communities At Risk are in Nevada County and will be positively impacted with the proposed project, see Figure 2. The largest of those communities in the unincorporated areas of Nevada County include Penn Valley, Lake of the Pines, Alta Sierra, Cedar Ridge, North San Juan, Washington, Norden and Floriston. Incorporated areas that will also benefit as they abut the unincorporated areas include Grass Valley, Nevada City and Truckee.

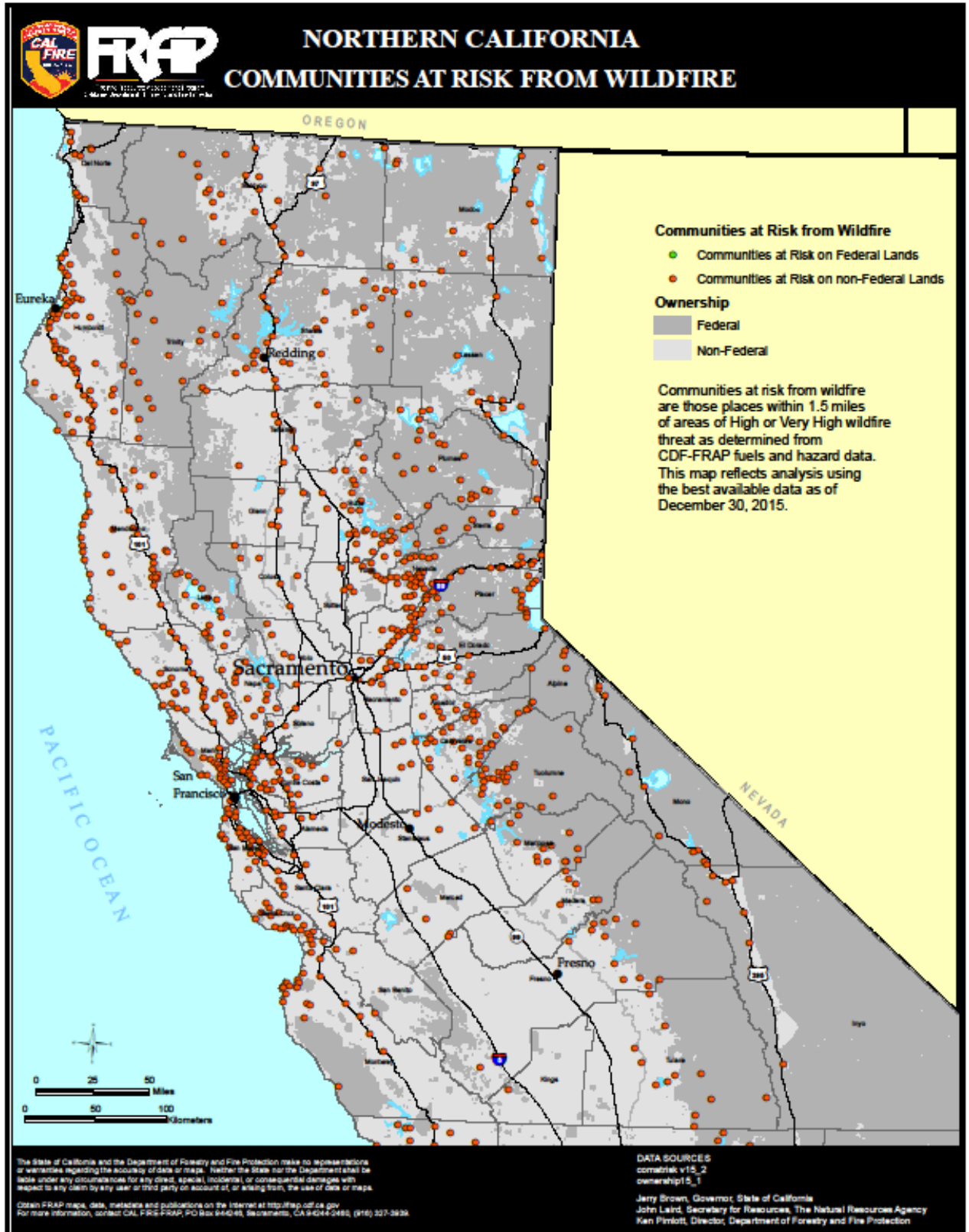


Figure 2 – Northern California, Communities at Risk From Wildfire

2. The primary goal of the project is remove hazardous fuels along both sides of 200 miles of roadway focusing on emergency egress/ingress routes first in order to protect homes, infrastructure and other highly valuable natural resources. Additional goals include improving the health and resilience of treated areas for increased carbon sequestration, supporting community wildfire planning efforts and improving public awareness of human impacts to the environment. Per the prescribed intensive treatment, greenhouse gas emissions will also be minimized during the project itself by the use of mechanical and hand techniques as well as in the long-term since future treatments will be able to be spaced further apart due to the intensive prescription.
3. By removing hazardous fuels along County maintained roads, wildfire risks to habitable structures will be reduced in the WUI since fuel loads will be significantly reduced, egress routes will be improved allowing residents to evacuate quicker thereby allowing firefighters better ingress access to prevent structure fires.
4. Additional assets at risk of damage by wildfire will benefit from the project including wastewater facilities, domestic and municipal water supplies, power lines, communication facilities, drainage facilities, bridges, transit services, road maintenance services, government buildings (local, State and Federal), medical facilities, tribal sites, historical sites, recreational sites and community centers.
5. The scale of the project is appropriate to achieve the stated goals, objectives and outcomes discussed in Item 2 above.
6. Nevada County used waste diversion so biomass and green waste is sent to biomass and composting facilities including the Rocklin Biomass plant.

## **B. Relationship to Strategic Plans**

The proposed project supports the goals and objectives of the California Strategic Fire Plan, the Nevada-Yuba-Placer Unit Fire Plan, a Community Wildfire Protection Plan (CWPP), County Fire Plan, and other long-term planning documents as described below:

1. California Strategic Fire Plan - provides an analysis procedure utilizing, in part, computer based geographical information data that is validated by experienced fire managers to assess fire fuel hazards and risks to design and implement mitigating activities. This information has been used for this proposed project in order to reduce hazardous fuel loads and improve egress and ingress on critical roads.
2. Nevada-Yuba-Placer Unit (NEU) Fire Management Plan - is a product of the implementation of the State Fire Plan. This plan provides background information, fuels and fire data, proposed projects, and individual Battalion reports outlining mitigating activities commonly carried out each year. The NEU Fire Management Plan is our local road map to create and maintain defensible landscapes to protect those assets vital to the state. This information has been used for this proposed



project in order to reduce hazardous fuel loads and improve egress and ingress on critical roads.

3. Community Wildfire Protection Plan Nevada County, California (CWPP) - updated in April 2016, there are three priority areas in the CWPP plan that are addressed in this proposal including: access, fuels and protection. The first priority in the plan is fuels reduction stated in the first objective on page 23 focusing on reducing wildfire risk to communities. Also in the list of the top five priorities is reduction of fuels along major roads used for egress/ingress (page 49), which address access, fuels, and protection. A theme throughout the plan is coordination with public agency activities (page 23). This project is all about coordination with the County Road Division to implement roadside vegetation management activities that are more effective at producing fire safe belts along county roads that are critical for suppression, egress/ingress and evacuations.
4. Nevada County Consolidated Fire District Strategic Plan 2016-2021 –The Nevada County Consolidated Fire District strives to meet the National Fire Protection Association (NFPA) 1710 guideline for fire department responses which allows firefighters one minute to don their turnouts once an emergency call for service is received from dispatch and four minutes of drive time. A fire department is to meet this five-minute response standard 90% of the time. By maintaining this standard response time, the Nevada County Consolidated Fire District can minimize deaths and injuries associated with fires; minimize the direct and indirect losses due to fires; and minimize deaths for people experiencing sudden illness, accidents, or injuries. However, the fire district needs to have a fuel modification zone of 10 feet on both sides of roads in order to insure proper egress/ingress to an area.
5. Nevada County Fire Safe Council and Neighborhood Evacuation Plans – The Nevada County Fire Safe Council works throughout Nevada County with neighborhoods to create Evacuation Plans (currently have 10 neighborhood plans throughout Nevada County), 22 Firewise communities throughout Nevada County with another 23 in the works. All plans discuss the need to have fuel modification zones along roadways.
6. Nevada County Local Hazard Mitigation Plan Update – completed in August 2017, wildfire is identified as effecting the entire county, is highly likely, would be catastrophic and is of a high significance. Further discussed in the document is the need to have vegetation more intensely cleared from roadway shoulders.
7. California Forest Action Plan 2010 - CALFIRE's Fire and Resource Assessment Program (FRAP) is required by the California legislature to produce periodic assessments of the forests and rangelands of California. Participation of local,

state and federal agencies as well as non-governmental organizations and private stakeholders are included in this report. The California Forest Action Plan, also known the 2010 California Forest and Rangelands Assessment and Strategy Reports, identifies landscapes of medium and high priority for preventing wildfire threats in 46 of California's 56 counties.

The 2010 FRAP Strategy Action E-1 specifies supporting proper management to protect and enhance forests in the wildland/urban interface (WUI) which is most of Nevada County pursuant to the CWPP. This includes reducing the occurrence of damaging wildfires to mitigate life, property and natural resource losses through the implementation of effective and efficient fire prevention programs and activities. This project offers defensible space and evacuation route clearing directly address the protection of life and property from wildfire. This also reduces the impacts of wildfire on ecosystem health, public safety and private property. Nevada County has the fifth highest number of structures in the State Responsibility Area most of it defined WUI in the CWPP. Our project protects the forest from catastrophic wildfire and provides better access for suppression resources to limit the exposure of the fire.

8. Circulation Element - Found in Chapter 4 of Nevada County's General Plan the Circulation Element is intended to address circulation and capacity needs, safety and emergency access, and non-motorized transportation. In addition, the circulation element identifies the functional classification of Nevada County roads and level-of-service requirements. The objective of functional classification is to group roads and streets into classifications that share similar function, purpose, and importance in the roadway network.
  - a. Arterials - Roadways providing primary access from freeways and principal arterials to major origins and destinations (e.g., Brunswick Road and Donner Pass Road);
  - b. Collectors (Major and Minor) - Streets connecting arterials to local roads (e.g., East Bennett Street and Alta Sierra Drive)
  - c. Locals - Streets providing primary access to individual properties (e.g., Jones Bar Road and Hobart Mills Road); and
  - d. Regional Emergency Access - Roadways providing emergency access between arterial or collector roads but are not needed by the County for general circulation purposes.

The following section describes the four primary goals of the Circulation Element as well as the Policies that will implement those goals. The four primary goals sections are to: 1) coordinate the circulation system with the County's land use patterns (Circulation and Land Use); 2) provide for the movement of goods and

people (Movement of Goods and People); 3) reduce dependence on automobiles (Reduce Automobile Dependency); and 4) minimize transportation system impacts to the environment (Environmental Protection). The project as outlined in this grant focuses on areas indicated on the Circulation Element. All Proposed Roadside Vegetation Management Program roads are County maintained roads.

9. Little Hoover Commission Report # 242 – 2018 - Little Hoover Commission report *Rethinking Forest Management in the Sierra Nevada* was completed in February 2018, the report indicates the catastrophe-scale fire danger in Nevada County as well as the need to oversee a transformation to more proactive forest management system. The report indicates the immediate public health and safety impact has fallen squarely on the communities in the Sierra Nevada. Dead and dying trees threaten people, homes, and infrastructure and evacuation routes. The state is working to remove hazard trees from areas under its jurisdiction, while local agencies and homeowners are doing the same but with far less available money. The task force has identified the following High Hazard Zones to guide the state's response to the crisis. The Majority of Nevada County is located in Tier 1 and Tier 2 High Hazard Zones. High Hazard zone Tier 1 is defined by the report as in close proximity to communities, roads and utility lines representing a direct threat to public safety. Tier 2 High Hazard Zones are defined by watersheds that have significant tree mortality, combined with community and natural resource assets. Report focuses immediate community action in the Tier 1 and Tier 2 high hazard zones. The report also lists several recommendations for state and local agencies to complete. As it pertains to the project, the Little Hoover Commission Report hosts a number of recommendations for state and local agency partners. Particularly recommendation #1 includes actions that are included in our grant proposal.

In Recommendation # 1, the Commission states that the State of California must engage in collaborative landscape-level forest management for long-term forest resiliency. The Commission urges that the state must address the disposal of millions of dead trees, provide financial assistance to rural counties and homeowners for hazardous vegetation removal, and develop a public education campaign about the importance of healthy forests in the Sierra Nevada.

10. National Action Plan 2014 - The 2014 National Action Plan – An implementation Framework for the *National Cohesive Wildland Fire Management Strategy* was developed through a collaborative effort by federal, state, local, territorial/tribal governments, non-governmental partners and public stakeholders. The plan provides a framework for implementation actions and tasks necessary at various

scales as outlined in the National Strategy. The primary, national goals identified as necessary to achieving this plan are: 1) Restore and maintain landscapes 2) Provide Fire-adapted Communities 3) Improve Wildfire response. Identified challenges found in this plan are: 1) managing vegetation and fuels, 2) protecting homes, communities, and other values at risk 3) managing human-caused ignitions and 4) safely, effectively, and efficiently responding to wildfire. The County of Nevada has implemented many of these actions already and is seeking to expand Fire Mitigation Activities through this project

Goal 3 demonstrates needed improvement in wildfire response with the implementation of safe, effective, efficient, and risk based wildfire management decisions. This includes an investment in wildland fire firefighting workforce at to meet the increasing complexities and demands of firefighting in the wildland urban interface. Our Community Fire Mitigation Project increases fire fighter safety by actively addressing fuel around evacuation routes. This is conducted through roadside vegetation management.

The project therefore follows in accordance with the 2014 National Action Plan. Our project will assist in mitigating wildfires that threaten our communities and homes. Our project mitigates hazardous fuels, protects communities, reduces human-caused ignitions and helps in responding to wildfire.

11. USDA Wildfire, Wildlands, and People: Understanding and Preparing for Wildfire in the Wildland-Urban Interface 2013 - The report was conducted by the Forests on the Edge project, and sponsored by the U.S. Department of Agriculture. Intention of this report is to amplify awareness of the ecological role and societal costs of wildfire, the causes/impacts of wildfire on human communities, and relationships between increases in housing development and wildfire risk. Changes in U.S. wildland fire management policy are discussed in the report. Building on the momentum and changes in 1910 fires, 1960s/1970s ecological studies and public management policies have all led to today's National Cohesive Wildland Fire Management Strategy. The Strategy indicates the need for Federal, State, local non-governmental partners to work together proving management of national resources. Objectives in this strategy include 1) reducing wildfire hazards on lands bordering communities 2) restoring the structure, composition, and function of fire-dependent landscapes 3) improving the overall effectiveness of the wildland fire management organization.

The study shows reducing loss of life, property, infrastructure, and natural resources from wildfires depends on long-term community action. Actions include land use decisions, building codes and standards, and other planning and landscaping choices all influence a community's vulnerability to damage from

wildfire. Other actions include increasing public education to mitigate damage by becoming knowledgeable about and engaging in actions to plan and protect homes and neighborhoods from wildfire. Actions should create “fire-adapted” communities that are better prepared for wildfire as a part of their surrounding landscape.

The Nevada County Board of Supervisors adopted a list of objectives and priorities for the county; of these objectives, the Board has prioritized the implementation of policies and programs to reduce wildfire and on life, property and the environment. Nevada County has also adopted Ordinance 2411 which supports PRC 4291 defensible space standards and includes defensible space standards for evacuation routes.

### **C. Degree of Risk**

1. The project is located primarily in Very High and High Fire Hazard Severity Zones with small areas in Moderate Zones. See Figure 1 above.
2. The project is on County roads in the WUI, where many of the human caused fires start and spread to wildlands. Treatments along the roads will reduce this likelihood. The county road segments were selected because they occur at the nexus of high density WUI neighborhoods that have particularly high fuel hazard. During a fast moving wildfire, it takes time to reduce fuel hazard along a road, often time that is not available. These areas will be pre-treated to a standard that CAL-FIRE deems safe for their operations, down to a 4-foot flame length during extreme fire weather. This will make it safe for fire resources as well as make resources available to work elsewhere on a fire incident that is critical.

Approximately 34,000 residences will benefit from the project as they directly abut the roads in the project however all residences will ultimately benefit from this project as main roads are identified as part of this grant and will serve as egress/ingress roads for the entire community.

### **D. Community Support**

1. This project includes a 23% match, \$256,955 of Gas Tax funds.
2. Press releases, community meetings, and field tours with the Fire Safe Council of Nevada County and any interested FireWise Communities are planned and will be encouraged. In addition, Nevada County has hosted a Community Wildfire Prevention Stakeholder Meeting on December 7, 2018. As a result, 13 letters of support have been received.
3. Long-term maintenance will be addressed through the County’s Vegetation Management Plan after the project is complete. In general, the County expends

approximately \$200,000 per year maintaining vegetation along county roads. There are two important aspects to maintenance of these project areas. Most importantly, new practices will be applied that will increase the longevity 10-fold. This is because much of the vegetation that needs to be reduced is sprouting and creates long-lived seed sources, namely scotch broom. The emphasis of this project is on pulling and removing the broom so that it does not sprout back and continue to develop and spread seeds. Secondly, sprouting hardwoods will have the stumps treated so they do not re-sprout. With cutting or mowing that has been used in the past, the treatments only last one or two years. With the proposed treatments, they will last an estimated 5 to 10 years or more.

These roads are maintained by the county. They will be continuing to maintain them and will be able to do so at a cheaper cost, and cover more area because the vegetation will be retained in a lower growing and less dense condition longer.

4. The project is a continuation of a partnership with the Fire Safe Council of Nevada County and is in coordination with local fire districts and our local Office of Emergency Services.

#### **E. Project Implementation**

1. Assuming funding is available October 1, 2020, the project is anticipated to occur during the fall/winter of 2020/2021 and fall/winter of 2021/2022.
2. Paperwork associated with the project is anticipated to be completed by the middle of 2022.
3. Half of the project work should be completed by April 2021 with approximately 100 miles of road receiving treatment at that point. The final half of the work will be completed by April 2022. Project deliverables include completing vegetation management on a per mile basis.
4. Measurable outcomes include 100 miles per year of vegetation management along county roads.
5. The project will be categorically exempt per Section 15301 of the California Environmental Quality Act (CEQA). A determination will be filed prior to the start of work.

#### **F. Administration**

1. Nevada County is currently in the process of completing a very similar project titled "Egress/Ingress Fire Safety Paradigm Change" project using funds from the 2017 SFA Clearinghouse, California Fire Safe Council grant. In fact, the prescription for treating roadsides is the same one we propose with this project. In addition, our staff is adept

at overseeing approximately \$20 million in grant-funded projects per year for a variety of other types of projects.

2. The Public Works Department, under the Community Development 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.

## **G. Budget**

1. Grant funds, if awarded, will be expended by Public Works crews and consultants to complete the proposed project. A registered professional forester will be contracted with to provide specific guidance. Equipment funds are requested for two commercial chippers at approximately \$35,000 each because renting would cost more ( $\$35.19 \times 5000 \text{ hours} = \$175,950$  each over the project timespan per Caltrans Labor Surcharge and Equipment Rental Rates April 1, 2018 through March 31, 2019). The chippers will continue to be used to maintain the roadways after the grant ends.
2. The costs for each proposed activity are based on similar projects in our area. No costs are higher than the norm.
3. The total project cost is appropriate for the size, scope, and anticipated benefit of the project. Protecting our community from wildfire is priceless however economically it is much cheaper as well considering the costs to rebuild critical infrastructure and homes.
4. Indirect costs for our Road Maintenance crews include costs for general county administration, fiscal assistance, legal assistance, human resources, etc. These costs are necessary for our County and are applied to every project. This proposed project requests 12% in administration costs although our actual administration costs exceed that percentage and will be paid by Gas Tax funds.
5. Object Costs
  - a. Salaries and wages: Costs for all project personnel directly involved with the implementation of the project. Road crews will perform the actual work, the administrative staff will assist with road notifications and the Director of Public Works will provide grant administration services and be the primary public outreach implementer.
  - b. Employee benefits: Benefits are costs mandated by the State and Federal government as well as standard benefits paid to government employees. Benefit costs are directly related to salary and wage costs.
  - c. Contractual: The project anticipates hiring a tree removal contractor for large trees, a registered professional forester to provide the required guidelines for proper vegetation management and general oversight and to complete the CEQA reports that may be required as part of this project.

- d. Supplies: The project proposes to enhance the County's existing vegetation management plan and as such, additional basic tools are necessary including pole saws, chainsaws, string trimmers and hand operated cutters.
- e. Equipment: The project will require two commercial chippers. Currently, the County has one older unit and it is overused as it is. This project will require more chipping than is typical.
- f. Other costs: The project will mail and publish notices to the public due to the proposed more intense vegetation management than is typical.

## **H. California Climate Investments**

1. The project will result in the reduction of greenhouse gas emission potential by removing significant amounts of fuel load estimated at 900 CY of biomass. Since longer fire seasons, warmer temperatures and more prevalent drought periods further exacerbate the likelihood of fire starts, rapid spread and high intensity fire, reducing the fuels along major roads in the county, can improve the safety of the residents and visitors, 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. In addition, breaks in fuel continuity will aid in reducing overall rate of spread by well-managed roadway vegetation.

In addition, the method of vegetation management will rely heavily on labor and less on machine methods of removal.

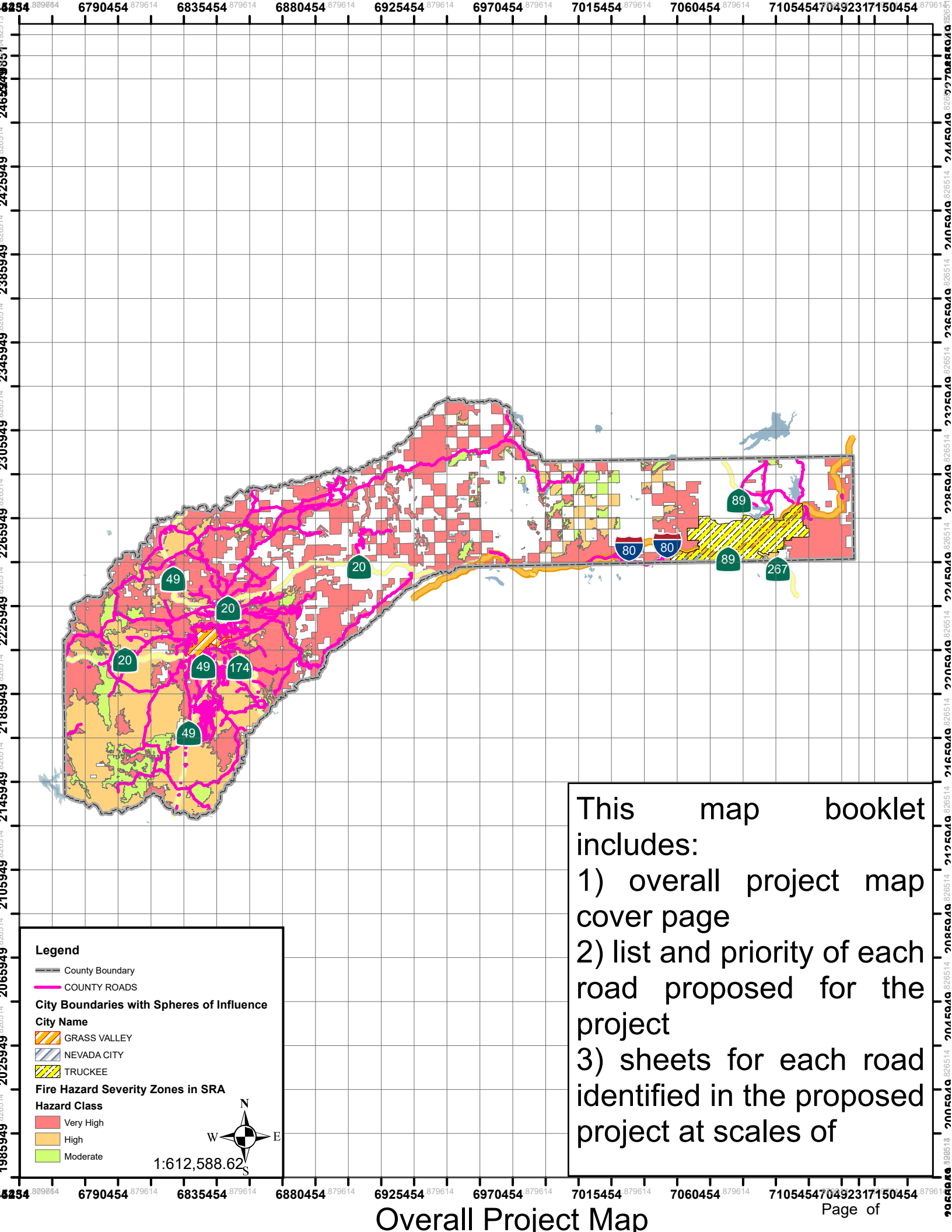
2. The project is partially located in Low-Income Communities but will benefit the entire community with reduction in fuel loads that will result in poor air quality if a wildfire occurs and improvement in egress/ingress routes during emergencies.
3. The project anticipates several co-benefits including environmental improvements such as the reduction of greenhouse gas potential, air quality improvement potential, public health and safety improvements due to improved egress/ingress routes, and a more resilient climate as the wildfire potential is decreased.
4. Greenhouse Gas emission, air quality and public health and safety improvement potential will be immediate and ongoing through the life of the project however the impact will continue well beyond the grant life as the vegetation is further maintained on an annual basis by the County Vegetation Management Plan. The project will do this by creating a much more manageable landscape thanks to the proposed vegetation management paradigm change. The paradigm change is more intense vegetation removal that is thereby longer lasting.



**Project Budget**

Project Name: Egress/Ingress Fire Safety Project

| Budget Category                    | Item Description                 | Cost Basis |          |            | Cost Share (%) |         |         | Funding Source (\$) |            |            | Total (\$)   |
|------------------------------------|----------------------------------|------------|----------|------------|----------------|---------|---------|---------------------|------------|------------|--------------|
|                                    |                                  | Quantity   | Units    | Cost/Unit  | Grant          | Grantee | Partner | Grant               | Grantee    | Partner(s) |              |
| <b>A. Salaries and Wages</b>       |                                  |            |          |            |                |         |         |                     |            |            |              |
|                                    | Roads Services Manager           | 300        | Hours    | \$ 47      | 0%             | 100%    | 0%      | \$ -                | \$ 14,100  | \$ -       | \$ 14,100    |
|                                    | Road Supervisors                 | 500        | Hours    | \$ 36      | 75%            | 25%     | 0%      | \$ 13,500           | \$ 4,500   | \$ -       | \$ 18,000    |
|                                    | Super. Road Maintenance Worker   | 2400       | Hours    | \$ 32      | 75%            | 25%     | 0%      | \$ 57,600           | \$ 19,200  | \$ -       | \$ 76,800    |
|                                    | Road Maintenance Worker III      | 2500       | Hours    | \$ 28      | 75%            | 25%     | 0%      | \$ 52,500           | \$ 17,500  | \$ -       | \$ 70,000    |
|                                    | Road Maintenance Worker II       | 3600       | Hours    | \$ 23      | 75%            | 25%     | 0%      | \$ 62,100           | \$ 20,700  | \$ -       | \$ 82,800    |
|                                    | Road Maintenance Worker Temp     | 4800       | Hours    | \$ 30      | 75%            | 25%     | 0%      | \$ 108,000          | \$ 36,000  | \$ -       | \$ 144,000   |
|                                    | Admin Asst II                    | 80         | Hours    | \$ 25      | 0%             | 100%    | 0%      | \$ -                | \$ 2,000   | \$ -       | \$ 2,000     |
|                                    | Director of Public Works         | 40         | Hours    | \$ 86      | 0%             | 100%    | 0%      | \$ -                | \$ 3,440   | \$ -       | \$ 3,440     |
| Sub-Total Salaries and Wages:      |                                  |            |          |            |                |         |         | \$ 293,700          | \$ 117,440 | \$ -       | \$ 411,140   |
| <b>B. Employee Benefits</b>        |                                  |            |          |            |                |         |         |                     |            |            |              |
|                                    | Roads Services Manager           | 300        | Hours    | \$ 28      | 0%             | 100%    | 0%      | \$ -                | \$ 8,400   | \$ -       | \$ 8,400     |
|                                    | Road Supervisors                 | 500        | Hours    | \$ 27      | 75%            | 25%     | 0%      | \$ 10,125           | \$ 3,375   | \$ -       | \$ 13,500    |
|                                    | Super. Road Maintenance Worker   | 2400       | Hours    | \$ 23      | 75%            | 25%     | 0%      | \$ 41,400           | \$ 13,800  | \$ -       | \$ 55,200    |
|                                    | Road Maintenance Worker III      | 2500       | Hours    | \$ 22      | 75%            | 25%     | 0%      | \$ 41,250           | \$ 13,750  | \$ -       | \$ 55,000    |
|                                    | Road Maintenance Worker II       | 3600       | Hours    | \$ 18      | 75%            | 25%     | 0%      | \$ 48,600           | \$ 16,200  | \$ -       | \$ 64,800    |
|                                    | Admin Asst II                    | 80         | Hours    | \$ 20      | 0%             | 100%    | 0%      | \$ -                | \$ 1,600   | \$ -       | \$ 1,600     |
|                                    | Director of Public Works         | 40         | Hours    | \$ 53      | 0%             | 100%    | 0%      | \$ -                | \$ 2,120   | \$ -       | \$ 2,120     |
|                                    |                                  | 0          | Hours    | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
| Sub-Total Employee Benefits:       |                                  |            |          |            |                |         |         | \$ 141,375          | \$ 59,245  | \$ -       | \$ 200,620   |
| <b>C. Contractual</b>              |                                  |            |          |            |                |         |         |                     |            |            |              |
|                                    | Tree Removal Contractor          | 1          | Contract | \$ 200,000 | 100%           | 0%      | 0%      | \$ 200,000          | \$ -       | \$ -       | \$ 200,000   |
|                                    | Registered Professional Forestor | 1          | Contract | \$ 100,000 | 100%           | 0%      | 0%      | \$ 100,000          | \$ -       | \$ -       | \$ 100,000   |
|                                    | CEQA                             | 1          | Contract | \$ 40,000  | 100%           | 0%      | 0%      | \$ 40,000           | \$ -       | \$ -       | \$ 40,000    |
|                                    |                                  | 0          | Acres    | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Miles    | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
| Sub-Total Contractual:             |                                  |            |          |            |                |         |         | \$ 340,000          | \$ -       | \$ -       | \$ 340,000   |
| <b>D. Travel &amp; Per Diem:</b>   |                                  |            |          |            |                |         |         |                     |            |            |              |
|                                    |                                  | 0          | Days     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Days     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Days     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Days     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
| Sub-Total Travel & Per Diem:       |                                  |            |          |            |                |         |         | \$ -                | \$ -       | \$ -       | \$ -         |
| <b>E. Supplies</b>                 |                                  |            |          |            |                |         |         |                     |            |            |              |
|                                    | Pole Saws                        | 3          | Each     | \$ 495     | 0%             | 100%    | 0%      | \$ -                | \$ 1,485   | \$ -       | \$ 1,485     |
|                                    | Chainsaws                        | 3          | Each     | \$ 495     | 0%             | 100%    | 0%      | \$ -                | \$ 1,485   | \$ -       | \$ 1,485     |
|                                    | String Trimmers                  | 3          | Each     | \$ 400     | 0%             | 100%    | 0%      | \$ -                | \$ 1,200   | \$ -       | \$ 1,200     |
|                                    | Hand Operated Cutters            | 6          | Each     | \$ 100     | 0%             | 100%    | 0%      | \$ -                | \$ 600     | \$ -       | \$ 600       |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
| Sub-Total Supplies:                |                                  |            |          |            |                |         |         | \$ -                | \$ 4,770   | \$ -       | \$ 4,770     |
| <b>F. Equipment</b>                |                                  |            |          |            |                |         |         |                     |            |            |              |
|                                    | Commercial Chippers              | 2          | Each     | \$ 35,000  | 0%             | 100%    | 0%      | \$ -                | \$ 70,000  | \$ -       | \$ 70,000    |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
| Sub-Total Equipment:               |                                  |            |          |            |                |         |         | \$ -                | \$ 70,000  | \$ -       | \$ 70,000    |
| <b>G. Other Costs</b>              |                                  |            |          |            |                |         |         |                     |            |            |              |
|                                    | Public Notification - Mail       | 10000      | Each     | \$ 1       | 0%             | 100%    | 0%      | \$ -                | \$ 5,000   | \$ -       | \$ 5,000     |
|                                    | Public Notification - Newspaper  | 1          | Each     | \$ 500     | 0%             | 100%    | 0%      | \$ -                | \$ 500     | \$ -       | \$ 500       |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
|                                    |                                  | 0          | Each     | \$ -       | 0%             | 0%      | 0%      | \$ -                | \$ -       | \$ -       | \$ -         |
| Sub-Total Other Costs              |                                  |            |          |            |                |         |         | \$ -                | \$ 5,500   | \$ -       | \$ 5,500     |
| <b>Total Direct Costs</b>          |                                  |            |          |            |                |         |         | \$ 775,075          | \$ 256,955 | \$ -       | \$ 1,032,030 |
| Indirect Costs (Exclude Equipment) |                                  |            |          |            |                |         |         | 12%                 | \$ 93,009  |            | \$ 93,009    |
| <b>Total Project Costs</b>         |                                  |            |          |            |                |         |         | \$ 868,084          | \$ 256,955 | \$ -       | \$ 1,125,039 |
| Less Program Income                |                                  |            |          |            |                |         |         | \$ -                |            |            | \$ -         |
| <b>Total Grant Proposed Costs</b>  |                                  |            |          |            |                |         |         | \$ 868,084          | \$ 256,955 | \$ -       | \$ 1,125,039 |



**Legend**

- County Boundary
- COUNTY ROADS

**City Boundaries with Spheres of Influence**

**City Name**

- GRASS VALLEY
- NEVADA CITY
- TRUCKEE

**Fire Hazard Severity Zones in SRA**

**Hazard Class**

- Very High
- High
- Moderate



1:612,588.62

This map booklet includes:

- 1) overall project map cover page
- 2) list and priority of each road proposed for the project
- 3) sheets for each road identified in the proposed project at scales of