

**DEPARTMENT OF FORESTRY AND FIRE PROTECTION**

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



May 30, 2019

**Todd Lando**  
**FIRESafe MARIN**  
**PO Bx 2831**  
**San Anselmo, CA 94979**

**5GG18112; Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program**

**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 Christie Neill at (415) 473-3759 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, addendum, grant application form, scope of work, budget, and map enclosed. Print (single sided) and return three (3) sets of agreements with original signatures in blue ink. In addition, please return the attachment(s) below, as applicable to your organization, to be received by CAL FIRE no later than **August 30, 2019**.
  - Attachment 5 – Std. 204 Payee Data Record <http://www.documents.dgs.ca.gov/dgs/fmc/pdf/std204.pdf>
  - Attachment 7 – Board Resolution or Attesting Document granting authority to sign (non-profit and local entity applicants)

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

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

CC: Joy Tucker  
Christie Neill  
Tiffany Kelly

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

**APPLICANT:** FIRESafe MARIN  
**PROJECT TITLE:** Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program  
**GRANT AGREEMENT:** 5GG18112

**PROJECT PERFORMANCE PERIOD IS from Upon Approval through March 15, 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:** Project identifies 42.6 miles of evacuation route roadway for initial treatment. The project will also treat fuels to 30' from the edges of 12.6 miles of fire access roads where existing fire roads provide potential firefighting access to the ridgetops above these communities. Total treatment area is approximately 155-250 acres at the prescribed 10'-30'+ of clearance.

**Total State Grant not to exceed \$ 993,300.00** (or project costs, whichever is less)

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

**FIRESafe MARIN**

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

Applicant

By \_\_\_\_\_  
Signature of Authorized Representative

By \_\_\_\_\_

Title \_\_\_\_\_

Title: **Mike Richwine, State Fire Marshal, Acting**

Date \_\_\_\_\_

Date \_\_\_\_\_

**CERTIFICATION OF FUNDING**

AMOUNT OF ESTIMATE FUNDING \$ <b>993,300.00</b>	GRANT AGREEMENT NUMBER <b>5GG18112</b>		PO ID		
ADJ. INCREASING ENCUMBRANCE \$ <b>0.00</b>	SUPPLIER ID				
ADJ. DECREASING ENCUMBRANCE \$	PROJECT ID		ACTIVITY ID		
UNENCUMBERED BALANCE \$ <b>993,300.00</b>	GL UNIT <b>3540</b>	BUD REF <b>001</b>		FUND <b>3228</b>	ENY <b>2018</b>
REPORTING STRUCTURE <b>35409205</b>	SERVICE LOC <b>91017</b>	ACCOUNT <b>5340580</b>		ALT ACC <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 FIRESafe MARIN, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed Nine Hundred Ninety Three Thousand Three Hundred Dollars (**\$993,300.00**).
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. Department of Forestry and Fire Protection (CAL FIRE) California Climate Investments Fire Prevention Grant Program Procedural Guide 2018-2019
  - 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 5GG18112.
- 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: FIRESafe MARIN
Section/Unit: MRN	Section/Unit:
Attention: Christie Neill	Attention: Todd Lando
Mailing Address: 33 Castle Rock Avenue Woodacre CA, 94973	Mailing Address: PO Bx 2831 San Anselmo CA, 94979
Phone Number: (415) 473-3759	Phone Number: (415) 218-1549
Email Address: Cneill@marincounty.org	Email Address: toddlando@firesafemarin.org



## Central Marin &amp; Ross Valley Wildfire Access/Egress Fuel Reduction Program

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

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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.

#### 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 Attachment 3 – Final Project Budget, 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

## Central Marin &amp; Ross Valley Wildfire Access/Egress Fuel Reduction Program

Guidelines of the Procedural Guide for the CAL FIRE Fire Prevention Grant Program.

- 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

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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 Fire Prevention 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

## Central Marin &amp; Ross Valley Wildfire Access/Egress Fuel Reduction Program

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

## Central Marin &amp; Ross Valley Wildfire Access/Egress Fuel Reduction Program

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.

## Central Marin &amp; Ross Valley Wildfire Access/Egress Fuel Reduction Program

- 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.

Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

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. 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.

13. 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.

14. 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.

15. 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/ci-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/ci-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:

“Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program 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 (CAL FIRE)**  
**California Climate Investment**  
**Fire Prevention Program Grant Application**  
**Fiscal Year 2018-19 Funding Opportunity**



Please fill out this form completely. Be sure to save a copy of this form for your records. Submit 1 printed copy with original signature(s) and 1 electronic copy and all supporting materials to: **California Department of Forestry and Fire Protection, Attention: Grants Management Unit - Fire Prevention Program, P.O. Box 944246, Sacramento, CA 94244-2460**. E-mail an electronic copy to [CALFIRE.Grants@fire.ca.gov](mailto:CALFIRE.Grants@fire.ca.gov). Be sure to include all attachments.

**1. Project Tracking #:**  CalMapper ID:

**Project Name/Title:**

**County:**  **CAL FIRE Unit/Contract County:** 

Please use this 3-letter Unit identifier for file naming (see question 14)

**2. Organization Type:**  If Other, please specify:

If Non-Profit, are you a registered 501(c)(3)?

**3. Sponsoring Organization:**

**Project Manager Title:**

**First Name:**  **Last Name:**

**Address 1:**

**Address 2:**

**City:**  **State:**  **Zip Code:**

**Phone Number:**  **Secondary Phone Number:**

**Email Address:**  **Fax Number:**

**4. For which primary activity is funding being requested?**

**5. Grant Period:** Please provide the estimated start date and completion date for your project. Projects **MUST** be completed by March 15, 2022. Note that final billing is due 30 days after project completion. Please use MM/DD/YYYY format.

**Project Start Date:**

**Project Completion Date:**

Tracking #: 18-FP-MRN-1041

Project Name: Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

## 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 [http://osfm.fire.ca.gov/fireplan/fireplanning\\_communities\\_at\\_risk.php](http://osfm.fire.ca.gov/fireplan/fireplanning_communities_at_risk.php)

☒ Yes ☐ No

If yes, what is the name of the community?  
If none, enter "none".

Mill Valley, Corte Madera, Larkspur, Kentfield, Ross, San Anselmo, Fairfax

Number of Communities in the project area:

7

**9. Disadvantaged/Low Income Community:** Is the project associated with a low income community that is listed as a Community At Risk? See

<https://www.arb.ca.gov/cc/capandtrade/auctionproceeds/communityinvestments.htm>

☐ Yes ☒ No

If yes, select all that applies:

☐ Disadvantaged ☐ Low Income ☐ Both ☐ Buffer Zone

**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 space provided):

The proposal reduces vegetation along primary and secondary evacuation routes in the hillside communities comprising the east slopes of Mt Tamalpais in central Marin's Ross Valley. Fuels will be reduced along more than 55 miles of roads, strategically dispersing fuel reduction over a 3000+ acre geographic area with a significant fire history, and addressing primary areas of concern identified by the 2017 Marin CWPP. The fuel reduction project will improve evacuation safety, provide alternate means of ingress for firefighting resources, and the total amount of wildfire and related potential and actual GHG emissions will be reduced for the life of the project and ongoing due to planned maintenance. Risk will be reduced to 47,000 residents, 9,000 residential structures, and municipal infrastructure including power distribution, water storage and distribution, and natural resources in the Mt Tamalpais watershed.

## 11. 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 (\$) \$993,300.00

NOTE: Grant Funding Requested must match "Total Grant Proposed Costs" on Project Budget Sheet.

Partners (\$)

\$109,800.00

## 12. 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.**

- |                                                                       |                                                                  |                                                                        |
|-----------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> CAL FIRE Unit Strategic Fire Plan | <input type="checkbox"/> Homeowners' Association Plan            | <input checked="" type="checkbox"/> Fire Safe Council Action Plan      |
| <input type="checkbox"/> County Fire Department Strategic Fire Plan   | <input type="checkbox"/> Local Fire Department Plan              | <input checked="" type="checkbox"/> FIREWISE Community Assessment      |
| <input type="checkbox"/> Other Local Plan (Identify in Scope of Work) | <input checked="" type="checkbox"/> Local Hazard Mitigation Plan | <input checked="" type="checkbox"/> Community Wildfire Protection Plan |

Tracking #: 18-FP-MRN-1041

Project Name: Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

### 13. 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: Will File

*For planning, education and other projects that are exempt from CEQA, select "Not Applicable".*

Document Identification Number TBD

### 14. 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.

Note: Replace XXXX in the file name with the project's ID Number.

Note: 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.

US Mail	Email	Attachments	File Name
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Application Form (.pdf)	18-FP-MRN-1041-Application.pdf
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scope of Work	18-FP-MRN-1041-SOW.doc
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Budget	18-FP-MRN-1041-Budget.xls
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Map (.pdf)	18-FP-MRN-1041-MAP.pdf
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Articles of Incorporation (.pdf)	18-FP-MRN-1041-AOI.pdf

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



Original Signature Required: Grantee's Authorized Representative

12/16/18

Date Signed

Printed Name Todd Lando

Title Coordinator, FIRESafe MARIN

Executed on: Dec 16, 2018

Date

at Woodacre, CA

City

Print Form

Please fill out this form completely. Be sure to save a copy of this form for your records. Submit one (1) electronic copy in fillable PDF format with all supporting materials to [CALFIRE.Grants@fire.ca.gov](mailto:CALFIRE.Grants@fire.ca.gov). Please use "Fire Prevention Program Project Application" in the E-mail subject line and include yourself as a cc. Your CC will be proof of your submittal. In addition, submit one (1) hard copy with signatures and all supporting materials to : **California Department of Forestry and Fire Protection, Attention: Grants Management Unit - Fire Prevention Program, P.O. Box 944246, Sacramento, CA 94244-2460**. Hard copy will need to be postmarked no later than **December 19, 2018**. Electronic copy must be submitted no later than **December 19, 2018 at 3:00 pm PST**. Applications postmarked after this date and time will be considered late.

If you would like to mail the hard copy via expedited/overnight mail, please E-mail [CALFIRE.Grants@fire.ca.gov](mailto:CALFIRE.Grants@fire.ca.gov) for the physical mailing address.

Tracking #: 18-FP-MRN-1041

Project Name: Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program





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



**Project Name:** Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

**Project Tracking Number:** 18-FP-MRN-1041

**Project Description Summary:** Please provide a summary of the proposed project including the location, habitable structures, acres treated, etc. (Please type in blank space below. Please note there is no space limitation).

The proposed project will utilize contracted tree-services and landscape management crews to reduce vegetation fuels adjacent to primary ingress and egress evacuation route roadways in central Marin county, CA. The project will improve safety of evacuating residents and provide alternate or improved means of access and ingress for responding fire apparatus.

The Project Influence Zone is located on the east and northeast slopes of Mount Tamalpais and encompasses the ridge that forms the south and east border of the Ross Valley, running from the City of Mill Valley and Town of Corte Madera in the southeast to Town of Fairfax in the northwest. This geographic feature is home to seven communities with a population of 47,314 and approximately 19,000 habitable structures in the WUI.

The project identifies 42.6 miles of evacuation route roadway for initial treatment. The project will also treat fuels to 30' from the edges of 12.6 miles of fire access roads where existing fire roads provide potential firefighting access to the ridgetops above these communities. This will allow fire apparatus to access open spaces and the neighborhoods themselves via alternate routes, "from above," to eliminate concerns about incoming fire apparatus blocking narrow streets for evacuating residents. Total treatment area is approximately 155-250 acres at the prescribed 10'-30'+ of clearance.

Vegetation in the Project Influence Zone is typical of central Marin county and includes mixed grass and oak woodlands, native hardwoods, mixed conifer forest, chaparral, and a variety of non-native, invasive species including Scotch and French broom, and common residential landscaping varieties of concern including junipers and bamboo. These hillside communities are characterized by steep slopes, wooded canyons, and narrow roads originally engineered to serve vacation homes and hunting cabins from 1850-1940. Infill development and growth post-war expanded the population dramatically, though roadways through much of the area remained largely unchanged from the original single-lane carriage routes.

Fuel treatment will occur within 10'-30' of roadways, primarily in the public right-of-way adjacent public and private property, with a primary goal of reducing vegetation that impedes evacuation for residents and/or access and ingress for fire apparatus.

The 2017 Marin County Community Wildfire Protection Plan (CWPP) specifically identifies these communities and the roadway infrastructure as “Areas of Concern” due to the high wildfire risk and inadequate evacuation routes and poor access/ingress options for firefighting resources. 80+ years of fire suppression, invasive non-native vegetation, difficulty of access, and the high cost of living in the area have resulted in an overgrowth of vegetation along roadways that threatens to impede access and egress - both physically (by low hanging limbs and vegetation encroachment into roadway), and by exposing evacuating residents to heat and flames during a wildfire.

## **A. Scope of Work**

This item is broken into project specific criteria depending on the type of project being proposed: planning, education or hazardous fuel reduction. Please **answer one section of questions** that pertain to the primary activity type for your project.

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

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 project is located in seven adjacent communities in central Marin county, CA (Mill Valley, Corte Madera, Larkspur, Kentfield, Ross, San Anselmo, and Fairfax) targeting hillside and canyon neighborhoods-at-risk to the east and northeast of Mount Tamalpais. The project has been broken down into 8 geographic locations that span community boundaries, based on hillside and drainage topography and associated roadways. The seven zones, from south to north, are:

- Christmas Tree Hill (Mill Valley and Corte Madera)
- Madrone Canyon (Larkspur)
- Kent Woodlands (Unincorporated SRA, Kentfield)
- Bald Hill South (Ross and San Anselmo)
- Bald Hill North (San Anselmo and Fairfax)
- Cascade Canyon (Fairfax)
- Manor Hill (Fairfax)
- Fire Road Ridgetop Access Routes (Unincorporated SRA, spanning the ridge to the east of all 7 communities)

Each of these zones are located on the east or northeast face of a 6-mile-long ridge that runs southeast to northwest from Mill Valley to Fairfax forming the northeast foothill and slopes of Mt Tamalpais.

The project work will occur adjacent to roadways identified as primary and secondary evacuation routes in the Marin County Mutual Threat Zone (MTZ) plan. Fuel treatment will occur within 10'-30' of roadways, primarily in the public right-of-way adjacent public

and private property, with a goal of reducing vegetation that impedes evacuation for residents and/or access and ingress for fire apparatus. The project specifically identifies 45.4 miles of roadway for treatment, with a treatment area of 55-165 acres (dependent on right-of-way width and private property accessibility). The proposed evacuation route improvements serve communities with a population of 47,314 and approximately 19,000 habitable structures in the WUI.

## 2. Describe the goals, objectives, and expected outcomes of the project.

The project's primary objectives are:

- Reduce roadside vegetation within 10'-30' of roadways identified as primary or secondary evacuation routes to meet the standards outlined in local fire and WUI codes (CAFC 4907.3 as adopted by local agencies).
- In general, the project will apply a vegetation reduction prescription within 10'-30' of roadways where vegetation will meet the same standard as required in the 30' defensible space zone around structures by PRC4291; trees within the zone will be limbed to 10' above grade (minimum) and 15' above improved roadway surfaces; all dead vegetation and debris will be removed; specific pyrophytic vegetation will be removed; all vegetation encroaching the roadway will be removed.
- Informing community members of the purpose, duration, and scope of work in concert with and support of separate (non-grant funded) programs related to evacuation preparedness and planning.

The project's expected goals (defined as broad, primary outcomes) are:

- Reduced potential radiant heat and direct flame exposure to roadways identified as primary and secondary evacuation routes in the Marin County Mutual Threat Zone (MTZ) Plan.
- Reduced vegetation impingement on narrow roadways to improve visibility, increase usable roadway width, and increase roadway capacity and speed of travel during wildfire evacuations.
- Reduced roadside vegetation to improve secondary fire-road access routes to allow fire apparatus to access residential communities "from above" without impeding residential evacuation.
- Reduced roadside vegetation to minimize likelihood of roadside fire ignitions.
- Increased tree canopy separation over roadways to improve visibility and reduce likelihood of canopy fire near evacuation routes.
- Provide education to residents on property owner responsibility regarding roadside vegetation.



- Fire apparatus responding to wildfires will be able to safely access key hillside communities “from above” due to reduced roadside vegetation on 6 ridgetop fire roads.
- Evacuation safety for residents will be improved due to reduced exposure to heat and flames, improved roadway visibility, and the resulting increased rates of travel.
- Evacuating residents will be less likely to encounter incoming traffic due to fire apparatus access from alternate (fire-road) routes.
- Overall heat and ember exposure will be reduced in the identified communities due to a reduction in roadside vegetation fuels inside and adjacent to defensible space zones.
- Firefighter safety operating in the fire environment will be improved through a reduction in vegetation near roadways and improvement in canopy height allowing for apparatus clearance.

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

The entire scope of the proposed project will occur within the WUI boundary recognized by Marin County Fire Department and all local municipal agencies. The project will directly reduce vegetation fuels adjacent to roadsides and within defensible space zones where overlap occurs with roadside rights-of-way and roadside vegetation. Due to narrow roadway widths, a significant concern in these communities exists regarding the ability of resident to evacuate while fire engines attempt access. By increasing the speed of evacuation, and simultaneously improving the safety of ridgetop fire roads, the project aims to allow fire apparatus to access these communities “from above” during wildfires, while residents safely evacuate along paved routes – downhill and away from danger.

This is greatly evidenced in the southernmost “Christmas Tree Hill” project zone, where fire apparatus access is impossible during an evacuation. Project partners identified two key fire roads, currently impeded by vegetation, that will allow access directly to the top of the hill by fire apparatus while residents escape downhill on paved roads. With unimpeded access to the top of the hillside community, firefighters may engage in structure protection where it would otherwise be impossible without completing the goals of this project.

Improved evacuation safety and speed will also allow limited firefighting resources to focus of engaging in structure protection and reduce their exposure and commitment to assisting in rescue and evacuation.

4. Identify any additional assets at risk to 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.

The proposed project area is immediately adjacent to the Mt Tamalpais watershed lands, under management of Marin Municipal Water District (MMWD). This watershed is identified in the Marin CWPP as a primary asset at risk. Improved ingress routes to multiple watershed access points will improve firefighting access the ability of initial attack resources to reach new fires quickly. This will allow protection of existing MMWD municipal water supply facilities (with multiple municipal water storage tanks and pumps located in each zone), cellular and radio communications towers, and electrical distribution infrastructure in the project area.

5. Is the scale of the project appropriate to achieve the stated goals, objectives and outcomes discussed in Item 2 above?

The proposed project is the largest scale program of its type to be undertaken in Marin. The scale was chosen specifically for its coverage of the entirety of the WUI on the northeast slope of Mt Tamalpais. All primary, and most secondary, evacuation routes identified in the Marin County Mutual Threat Zone (MTZ) plan within the project area will be treated. The scale of the project and the prescribed treatments are appropriate to achieve the goals, objectives, and outcomes in item 2.

6. 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?

Woody biomass will be chipped and broadcast in place where feasible or chipped and disposed of for composting or biomass use at the Marin Sanitary Service Resource Recovery Center in San Rafael, CA, as is standard for projects of this type in central Marin County. Marin Sanitary contracts with Woodland Biomass Power, Ltd. for disposal of some biomass materials, where appropriate.

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

Does the proposed project support the goals and objectives of the California Strategic Fire Plan, the local CAL FIRE Unit Fire Plan, a Community Wildfire Protection Plan (CWPP), County Fire Plan, or other long term planning document? (Please type in blank space below. Please note there is no space limitations).

This project supports the stated goal of the California Strategic Fire Plan, to “Integrate implementation of fire and vegetative fuels management practices consistent with the priorities of landowners or managers.” This is accomplished through the projects’ relationship to the 2017 Marin County Community Wildfire Protection Plan (CWPP).

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The CWPP was a collaborative document produced with input from landowners, managers, fire service, and residents which outlines a prioritized list of recommendations and proposed projects. The Marin County LHMP, updated in 2018, mirrors all recommendations outlined in the CWPP related to wildfires and emergency evacuation planning.

This project's scope, treatments, and location were specifically selected due to their inclusion as a primary "areas of concern" in the 2017 Marin County CWPP, and as part of a collaborative process intended to ensure the CWPP's recommendations are implemented. The seven communities within the boundaries of this project each identified "roadside vegetation and ingress/egress/evacuation routes in hillside neighborhoods" as areas of concern. Wildfire and hazard modeling produced for the CWPP identifies the hillside communities on the northeast and eastern slope of Mt Tamalpais as among the highest hazard areas in Marin. This project specifically addresses Section 8.1.5 of the CWPP Recommendations and Action Plan, "Integrate fire and fuels management practices," which states:

- *Continue to implement and maintain vegetation management projects along highly-traveled roadways and access points into all public lands in order to minimize ignitions.*
- *Prioritize evacuation routes for fuel reduction programs*
- *Develop traffic congestion controls along evacuation routes*
- *Implement stronger parking enforcement along evacuation routes*
- *Continue to maintain foot trail network in Mill Valley*
- *Implement maintenance program for foot trail network in Fairfax*
- *Consider if additional vegetation reduction is required from roadways that are key evacuation routes into or out of a particular neighborhood*
- *Create extended or enhanced vegetation fuels management along all identified evacuation routes from developed residential and open space areas.*

Each of these points are addressed in the project planning and scope as outlined in this proposal.

Section 5.3 of the Marin CWPP, Communities at Risk and Areas of Concern, identifies each of the seven communities impacted by this project as areas of "High" or "Very High" in the CWPP's proprietary scale of "Relative Hazard Ranking":

- Mill Valley – Very High
- Corte Madera – Very High
- Larkspur – Very High
- Kentfield - High

- Ross - High
- San Anselmo - High
- Fairfax – Very High

The Marin County CWPP recommends fuel treatments along roadways to improve fire apparatus access, increase the speed and safety of evacuation, and reduce the likelihood of flame and heat impingement on the roadway.

Marin County's Local Hazard Mitigation Plan (LHMP) updated in 2018 mirrors, verbatim, the recommendations described above in the Marin County CWPP.

The proposed project also addresses objectives outlined in FIRESafe MARIN's Strategic Plan of 2014, and the Firewise USA Community Assessments for the following Firewise USA sites within the PIZ:

- Cascade Canyon Firewise (existing)
- Manor Hill Firewise (existing)
- Kent Woodlands Firewise (existing)
- Deer Park Firewise (existing)
- Bald Hill Firewise (planned)
- Madrone Canyon Firewise (planned)
- Christmas Tree Hill Firewise (planned)

The proposed project addresses these issues on roadways identified as primary and secondary evacuation routes in the Marin County Mutual Threat Zone (MTZ) evacuation and structure defense plan adopted by the Marin County Fire Chief's Association

### **C. 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. Fire hazard severity zone maps by county can be accessed at: [http://www.fire.ca.gov/fire\\_prevention/fire\\_prevention\\_wildland\\_zones\\_maps.php](http://www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps.php)

Approximately 15% of the proposed Project Influence Zone is located in LRA Very High Fire Hazard Severity Zones. 15% is located in SRA Very High Fire Hazard Severity Zones. The remaining 70% is in LRA, not VHFHSZ. The entire project is bordered to the southwest and west by SRA, approximately 50% VHFHSZ.

2. Describe the geographic proximity of the project to structures at risk to damage from wildfire in the WUI. (Please type in blank space below. Please note there is no space limitations).

The entirety of the Project Influence Zone (approximately 3000 acres and 45.46 miles of roadway) exists in the Wildland Urban Interface (WUI) zone as recognized and mapped by the County of Marin. Within the project influence zone, there are approximately 19,000 structures with a 2018 assessed value of approximately \$25 Billion. All project treatments will occur adjacent to roadways serving as ingress and egress routes for structures at risk for damage from wildfire. No project work will occur outside of the WUI, and most treatments – in excess of 85% of the proposed project – will occur within 200' of structures at risk. Only a few isolated sections of the roadway evacuation routes to be treated are in excess of 200' from structures at risk.

#### **D. 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?

The fiscal sponsor FIRESafe MARIN anticipates matching contributions from each of the local municipalities and fire agencies located in the Project Influence Zone totaling \$109,800. The description of the anticipated work is as follows:

Ross Valley, Kentfield, and Central Marin Fire Departments each contract with a part-time vegetation management specialist. This specialist's time will be allocated at 4 hours per week per agency for 96 weeks over the grant period to assist in project management and program support, at a contractual rate of \$105 per hour, on an in-kind match basis.

The 5 municipal and county planning agencies with responsibility over the Project Influence Zone (Corte Madera, Larkspur, County of Marin, Ross, San Anselmo, and Fairfax) have each agreed in concept to provide a minimum of 20 hours of project support for planning and postal notification of adjacent property owners related to the project's scope, timing, and objectives during the grant period.

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 planned during the life of the proposed project include:

- Spring 2019 mailing of evacuation preparedness and vegetation management education booklet (funded by a separate, previously-awarded 2018/19 grant) to every parcel located in Marin County's WUI (54,000+ parcels).
- Municipal planning agencies for each affected town have agreed in concept to mail explanatory letters and project information to all property owners adjacent to or within the Project Influence Zone.
- Grant-funded signage near entrances and exits to communities beginning, prior to, and during, the project period to explain funding sources, goals and objectives, and relationship of work to wildfire evacuation preparedness.
- Grant-funded signage to be displayed on contractors' vehicles and in the area immediately adjacent to crews during the work period(s).
- FIRESafe MARIN maintains an extensive local media relations and social media outreach presence and intends to communicate through local and social media about the project intent, milestones, and general evacuation preparedness before, during the life of, and following the project.
- FIRESafe MARIN, in cooperation with the fire agencies and municipalities in the Project Influence Zone, has held annual (or more frequent) public meetings in each of the communities related to evacuation planning and preparedness, vegetation management, and public input. Meetings for 2019 and 2020 are already in planning stages, and if awarded, will address the grant funded work program in detail with opportunities for additional public input and dialog.

### 3. Describe any plans to maintain the project after the grant period has ended.

In 2016, 2017, and 2018, the central Marin fire agencies (Corte Madera FD, Larkspur FD, Kentfield FD, and Ross Valley FD) and local municipalities increased education and enforcement of roadside vegetation management requirements. Unfortunately, roadside vegetation conditions in the hillside WUI communities have deteriorated to a point that *routine* maintenance by the adjacent property owners was in many cases unaffordable and untenable. FIRESafe MARIN, in cooperation with the fire agencies, recognized that a significant investment was necessary to affect a wholesale change on roadside vegetation and evacuation routes. By undertaking a large, 2-year program to "deep treat" vegetation fuels and improve ingress and egress access, long-term maintenance and enforcement of the fire code will be more effective.

The partner agencies intend to continue inspections and enforcement of vegetation management standards in perpetuity to enforce maintenance of treated roadside's clearance zones and rights-of-way in a state conducive to safe evacuation, ingress, and egress.

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Where fire-roads are concerned and no statutory responsibility exists for roadside vegetation maintenance, landowners Marin County Parks and Open Space and Marin Municipal Water District intend to maintain roadside vegetation according to the standards set forth in their Vegetation Management and Biodiversity Plan(s). The treatment proposed in this program is required to bring vegetation to an initial level where the previously budgeted long-term maintenance is feasible.

4. Does the proposed project work with other organizations or agencies to address fire hazard reduction at the landscape level?  
(Please type in blank space below. Please note there is no space limitations).

The proposed project, to be managed by fiscal sponsor FIRESafe MARIN, is a partnership among several cooperating agencies and municipalities. The following agencies with jurisdiction over the proposed project area have conferred and agreed to support the project in concept and execution:

- Ross Valley Fire Department
- Kentfield Fire Protection District
- Central Marin Fire Department
- Mill Valley Fire Department
- Marin County Fire Department
- Marin County Department of Public Works
- Town of Fairfax
- Town of San Anselmo
- Town of Ross
- County of Marin (Kentfield)
- Town of Larkspur
- Town of Corte Madera
- Town of Mill Valley
- Marin County Parks and Open Space
- Marin Municipal Water District

The project scope was selected specifically to address the problem of evacuation route vegetation clearance at a “landscape” scale, addressing more than 3000 acres of a continuous geographic feature (the east and northeast facing slopes of the western ridge forming the Ross Valley in central Marin). The scale of the project necessitates cooperation among the 16 cooperators (including FIRESafe MARIN).

Smaller (not landscape scale) projects were considered, including concepts that would treat each of the 8 “zones” as individual projects, however this was deemed inefficient from a grant management, fuels management, and public safety perspective since  
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wildfire modeling produced for the Marin County CWPP (and fire history - 1923) indicates the entire geographic project area is likely to be impacted by a single wildfire.

## **E. Project Implementation**

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

Due to the scale of the proposed project, FIRESafe MARIN anticipates project implementation beginning 9/1/2019, and completion of fuel treatment work by 9/1/2021, with documentation and final reporting complete by the grant period's end date of 3/15/2022.

The proposed timeline is:

- 9/1/19-3/1/20 - Program outreach development; environmental compliance and filing.
- 3/1/20-5/1/20 – Contractor bids and selection; program signage and outreach.
- 6/1/20-9/1/21 – Contractor work period, 30-45 days per “zone” (for each of 7 roadside zones) with multiple contractors working simultaneously. For work adjacent to ridgetop fire road zone, nesting season restrictions are anticipated, necessitating 60-80 days of work over the 15-month period, primarily from Aug 1-May 30.
- 9/1/21-3/15/22 – Final documentation and report writing.

2. Verify the expected timeframes to complete the project will fall under the March 15, 2022 deadline.

Per the outlined schedule above, the expected timeframe to complete the project will meet the March 15, 2022 deadline. FireSAFE Marin has a long history of successfully delivering dozens of grant-funded projects, including multiple grants that manage as many as nine projects simultaneously.

3. Describe the milestones that will be used to measure the progress of the project.

Milestone 1: Completion and filing of CEQA compliance documents.

Milestone 2: Proofing of initial program outreach materials, print and media.

Milestone 3: Receiving contractor bids.

Milestone 4: Selection of contractors for each of 8 project work zones.

Milestone 5: Completion of fuel treatment for roadside treatment zones, 30-45 days.

Milestone 6: Completion of fuel treatment for fire road access/ingress roads, 60-80 days.

Milestone 7: Completion of program photography, mapping, and documentation.

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Milestone 8: Completion of program reporting and final report (to include progress reporting and invoicing during grant period at grant specified intervals).

4. Describe measurable outcomes (i.e. project deliverables) that will be used to measure the project's success.

The primary measurable outcome will be a reduction of roadside vegetation within 10'-30' of primary and secondary evacuation route paved roads that meets or exceeds the standards adopted by Marin fire agencies under the CA Fire Code (as amended) and International WUI Code. Post-treatment conditions in this area will be characterized by: the absence of dead or downed woody vegetation; absence of highly combustible introduced pyrophytic plant species including junipers, bamboo, and broom; reduction in mass and volume of live, native vegetation fuels including chaparral and other shrubs; absence of trees smaller than 3" DBH; absence of limbs within 15' overhead of road surfaces; absence of vegetation of any kind impinging on roadway.

A secondary measurable outcome will be increased useable roadway widths due to removal of vegetation impinging or overhanging roads. This will increase sight distances, improve traffic flow and passing availability during wildfire evacuation, ingress, and egress.

Expected outcomes:

- *Reduced potential radiant heat and direct flame exposure to roadways identified as primary and secondary evacuation routes in the Marin County Mutual Threat Zone (MTZ) Plan.*
- *Reduced vegetation impingement on narrow roadways to improve visibility, increase usable roadway width, and increase roadway capacity and efficiency of travel during wildfire evacuations.*
- *Reduced roadside vegetation to improve secondary fire-road access routes to allow fire apparatus to access residential communities "from above" without impeding residential evacuation.*
- *Reduced roadside vegetation to minimize likelihood of roadside fire ignitions.*
- *Increased tree canopy separation over roadways to improve visibility and reduce likelihood of canopy fire near evacuation routes.*
- *Provide education to residents on property owner responsibility regarding roadside vegetation.*
- *Fire apparatus responding to wildfires will be able to safely access key hillside communities "from above" due to reduced roadside vegetation on 6 ridgetop fire roads.*

- *Evacuation safety for residents will be improved due to reduced exposure to heat and flames, improved roadway visibility, and the resulting increased rates of travel.*
- *Evacuating residents will be less likely to encounter incoming traffic due to fire apparatus access from alternate (fire-road) routes.*
- *Overall heat and ember exposure will be reduced in the identified communities due to a reduction in roadside vegetation fuels inside and adjacent to defensible space zones.*
- *Firefighter safety operating in the fire environment will be improved through a reduction in vegetation near roadways and improvement in canopy height allowing for apparatus clearance.*

5. If applicable, how will the requirements of the California Environmental Quality Act (CEQA) be met?  
(Please type in blank space below. Please note there is no space limitations).

The program budget includes funds for review and filing of CEQA compliance for each of the 8 zones. Based on recent grant and project experience, FIRESafe MARIN expects that the program prescriptions in the roadside vegetation zones will be found Categorically Exempt after review. The individual municipalities responsible for each zone have agreed in concept to provide staff support for review of program descriptions, any CEQA compliance review, and filing of appropriate documentation. The program budget will support their staff time and any outside consultation required. Marin County Parks and Open Space has agreed in concept to manage environmental review and filing of compliance documentation for project work to occur on their and MMWD's property (Zone 8, Fire Road Access/Ingress Routes).

## **F. 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 proponents 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.

FIRESafe MARIN has undertaken numerous similar projects since 2014, funded by state, federal, and local private grants. All grants and projects have been completed on-time and successfully, meeting project goals and objectives.

Projects with similar management challenges and scopes of work include:

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- In 2018, FIRESafe MARIN managed a wildfire fuel reduction and evacuation route improvement grant funded by PG&E. \$30,000 funded a critical evacuation route fuel reduction project in Novato's Marin Valley.
  - Marin Valley MCC Evac Route Fuel Reduction
- In 2017, FIRESafe MARIN partnered on 4 simultaneous wildfire fuel reduction and evacuation route improvement projects utilizing PG&E grants to fund projects in Larkspur, Corte Madera, Mill Valley, and Tamalpais Valley. These locations were outside the current Project Influence Zone.
  - Mill Valley: Marlin Avenue Pine Removal
  - Corte Madera: Chapman Park/Meadowsweet Drive Evacuation Route Improvement
  - Larkspur: Madrone Canyon Evacuation Route Improvement
  - Tamalpais Valley: Multiple Evacuation Route Improvements
- In 2016-17, FIRESafe MARIN managed the “MARIN COUNTY SRA RESIDENTIAL WILDFIRE HAZARD REDUCTION PROGRAM” funded by the CAL FIRE SRAFPF Grant Program. This \$130,623 grant reduced fuels along roadway evacuation routes and fund neighborhood chipper days in all SRA communities in Marin. These locations were outside the current Project Influence Zone.
- In 2016-17, FIRESafe MARIN managed the “NICASIO/RANCHO SANTA MARGARITA FUELS TREATMENT” funded by the CAL FIRE SRAFPF Grant Program. This \$197,438 grant funded roadside fuel reduction and wildfire preparedness efforts in the Rancho Santa Margarita community near Nicasio.
- In 2016, PG&E Awarded FIRESafe MARIN seven grants totaling \$152,180 for 2016 to reduce vegetation-fuel hazards in Marin county. All grant work was conducted summer 2016, with completion in less than 6 months from funding date.
  - Marin-01: [Camino Alto Pines](#)
  - Marin-02: [Crown Rd to Coronet Rd Vegetation Management Project](#)
  - Marin-03: [San Anselmo Fuel Management Projects](#)
  - Marin-04: [Seaver Avenue Fuel Reduction](#)
  - Marin-05: [Forest Way Eucalyptus Removal](#)
  - Marin-06: [Black Point Fuel Reduction/Evacuation Route Improvement](#)
  - Marin-07: [FIRESafe MARIN Countywide Chipper Program](#)

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. (Please type in blank space below. Please note there is no space limitations).

Project Tracking Number: 18-FP-MRN-1041

FIRESafe MARIN's grant and project management team include:

- Paid Fire Safe Council Coordinator, with 28 years of fire-service and 12 years of grant and project management experience.
- FIRESafe MARIN's Executive Board Treasurer, a retired Fire Chief with 38 years fire-service experience and 20+ years' experience as a treasurer, project manager, and budget manager.
- FIRESafe MARIN's Executive Board Secretary, with 30 years project management experience, including 12 years as a grant and program manager for the County of Marin Office of Emergency Services.
- FIRESafe MARIN contracts a part-time bookkeeper and accountant with 20+ years' experience as a municipal government finance manager to manage accounts, payments, and invoicing.

This team will work in close coordination to track all project expenses and maintain records utilizing hard and duplicate electronic copies of all records to allow for a full audit trail of all awarded grant funds.

## **G. Budget**

A detailed project budget should be provided in an Excel spreadsheet attached to this grant application. 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.

The goals and objectives outlined in A:2 above, are supported by the budget in that all program expenditures will go directly to the stated primary objective of reduction of roadside vegetation fuels to improve evacuation route safety and efficiency. The contractual program budget will be utilized to directly contract with qualified tree-services and landscape contractors to reduce vegetation to the program specifications, and to manage and document the progress and interact with residents effected by the program.

Grant funds will be used to purchase signage which will be placed in prominent locations in the community prior to and during contract work periods to meet the objective of informing community members of the purpose, duration, and scope of work.

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.

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The program budget is based on recent FIRESafe MARIN-managed work that is similar in scope and located in nearly identical terrain.

The cost is determined to be reasonable for the geographic area in which the work will be conducted.

No program costs are higher than usual for the given community and available contractors.

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. In considering the total program cost, FIRESafe MARIN and project partners broke the package down into 8 zones, each with evacuation routes that serve 1500-3000+ residents, at an average cost of \$107,000 per zone. This is in line with, or less than, other recent projects and concepts to accomplish similar objectives in these or nearby communities.

As the Marin County CWPP and fire history (especially the 60,000 acre 1923 fire and the 1972 fire which burned significant numbers of structures within this project boundary) show, this project encompasses one of the most at-risk geographic features in Marin county in terms of population and assets at risk and potential fire behavior. Significantly, the proposed project would address the problem of evacuation safety at a landscape scale – an approach that has never before been undertaken in Marin county.

4. Identify all Indirect Costs and describe why they are necessary for a successful project implementation. Administrative expenses to be paid by the Fire Prevention Grants must be less than 12% of the total grant request (excluding equipment).

The indirect cost for this grant program is 10% of the program budget, or \$90,300 to provide for the administration of the program managers and administrative expenses incurred by FIRESafe MARIN during the grant period. This is less than the 12% normally charged due to contracting efficiencies expected by simplifying the program budget, breaking the project into 8 zones and minimizing the time exposure for the processing of invoices and documentation.

5. Explain each object category in detail and how that would support meeting the grant objectives.  
(Please type in blank space below. Please note there is no space limitations).

FIRESafe MARIN conducted a detailed review of recent projects to determine a local contractual rate for similar roadside vegetation treatments. Based on this review, a rate  
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of \$15,000 per mile of paved roadway was determined, including a slight discount for expected program and scale efficiencies. This review determined that a rate of \$17,500 could be expected for vegetation management along the proposed fire road access/ingress routes – balancing the increased amount of vegetation and difficulty of access with the lack of need for traffic control and property owner interaction. These rates include contractual program monitoring and documentation, and expected property owner interaction based on experience managing similar projects at a smaller scale. To ground-truth these estimates, they were verified by meeting and reviewing the proposed scope with 3 local contractors in November 2018. Each agreed, estimating the actual cost per mile as variable due to variances in vegetation and landscaping, but with a range from \$10,000 to \$20,000 per mile at a productivity rate of 500–1500 feet per crew-day, including equipment cost and disposal fees.

Contractors will provide vegetation management along roadways, traffic control, and disposal of vegetation by either broadcast dispersal on-site or delivery to Marin Resource Recovery for compositing and/or biomass energy use. Vegetation treatment specifications will follow CFC 4907.3 or the international WUI code recommendation as adopted by local fire agencies.

A detailed GIS review of the project and analysis of primary and secondary evacuation routes in the Marin MTZ Plan provided a calculation of the exact length, in feet, or roadway that requires treatment.

Contractual Cost Calculation Table

Evac or Access/Ingress Route	Road(s) Length (ft)	Miles	Rate Per-Mile	Total Cost
Christmas Tree Hill	28,250	5.35	\$15,000.00	\$80,255.68
Madrone Larkspur	23,440	4.44	\$15,000.00	\$66,590.91
Kent Woodlands	46,109	8.73	\$15,000.00	\$130,991.48
Manor Hill	25,089	4.75	\$15,000.00	\$71,275.57
Cascade Canyon	31,464	5.96	\$15,000.00	\$89,386.36
Bald Hill	45,429	8.60	\$15,000.00	\$129,059.66
Forest/Scenic	25,224	4.78	\$15,000.00	\$71,659.09
Fire Road Access/Ingress Routes	66,578	12.61	\$17,500.00	\$220,665.72
			Total (rounded up to nearest mile)	\$872,000.00

The project budget anticipates bidding each of 8 zones individually, with multiple local contractors (tree services and landscape contractors) selected to complete project work simultaneously in each zone.

To emphasize the nature and importance of the program work, a budget of \$1000 per-zone has been set to provide for a minimum of 4 all weather sign-boards to be displayed before and during the work phase.

Each of the effected municipalities has agreed in concept to undertake, at their expense, noticing of residents along the treated roadways using their individual planning agency noticing protocols.

Based on recent experience managing state and federal grants for similar projects, FIRESafe MARIN is applying a simplified program budgeting concept to reduce the program management and improve reporting and documentation efficiencies. The 30-45-day estimate for contractual work in each zone will minimize the number of invoices to be processed and simplify accounting.

No equipment will be purchased for this grant, and supplies will be limited to the signage noted above.

The cost for CEQA review is based on recent grant experience and estimates provided by Marin County Parks and Open Space for review, documentation, and filing. \$2,500 is estimated for each of the 7 municipal zones, and \$5,000 for the more complex review expected for the Fire Road Access/Ingress Zone.

Project partners Ross Valley Fire Department, Kentfield Fire Protection District, and Central Marin Fire Department have agreed in concept to provide contractual vegetation management staff use of 192, 384, and 384 hours (respectively) over the life of the grant period in support of the project, at a value of \$100,800 on an in-kind match basis. The Vegetation management specialist will assist in planning, monitoring, and program implementation in cooperation with FIRESafe MARIN.

Project partners Town of Corte Madera, Town of Larkspur, Town of Ross, County of Marin, Town of San Anselmo, and Town of Fairfax have agreed in concept to provide 20 hours (each) of town planning staff support to facilitate notifications and outreach using planning and parcel record databases and postal mailings, at a value of \$9000 (total) on an in-kind match basis.

## **H. 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?**

The proposed project recognizes that healthy forests have an important role to play in addressing climate change. Trees and vegetation remove carbon dioxide, the primary greenhouse gas of concern, from the air and store it as carbon in as they grow. When  
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trees die or burn, they release CO<sub>2</sub> back into the atmosphere. Forest damage and loss to wildfires, insects and disease, or development can result in large CO<sub>2</sub> emissions.

CAL FIRE has identified multiple forestry strategies for reducing or mitigating greenhouse gas emissions. This project would address the following:

1. Fuels reduction to reduce wildfire emissions and utilization of those materials for renewable energy
2. Urban forestry to reduce energy demand through shading, increase sequestration, and contribute biomass for energy generation
3. Improved management to increase carbon sequestration benefits and protect forest health

This project's primary influence is from the increased likelihood of fire suppression and reduction of greenhouse gas emissions from wildfires originating in, or controlled in, the Project Influence Zone. This outcome is expected through improved access for firefighting resources, including to some high fire hazard areas where access is not currently possible due to vegetation overgrowth.

A secondary greenhouse gas benefit will be achieved through more efficient transportation into and from the treated areas and communities by improved roadway widths and visibility.

Forest regrowth provides an expected carbon sink for fuel reduction projects, and is expected here, with planned annual maintenance going forward encouraging annual carbon sequestration benefits.

2. Is the project located in a Low-Income or Disadvantaged Community? If not, does the project benefit those communities. Please explain.

The project is not located in a Low-Income or Disadvantaged Community and does not benefit those communities directly.

3. What are the expected co-benefits of the project/activity (i.e. environmental, public health and safety, and climate resiliency)?

The primary co-benefit of the project activities is increased public safety due to improved evacuation route safety, increased evacuation preparedness and planning, and improved firefighting access to residential areas.

Climate resiliency is improved by reducing the likelihood of ignition of new fires along treated roadways and improving the ability of firefighting resources to extinguish wildfires in and adjacent to the treated areas.

Environmental benefits may be achieved when improved access allows extinguishment of wildfires before they become seated in the lands of the Marin Municipal Water District

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watershed to the east of the project area due to risk of damage to water delivery and storage infrastructure the serves the entire population of central, west and southern Marin County. Preventing large-scale fire involvement in the 20,000 acre MMWD lands will help to protect and preserve existing sensitive habitat and species on these lands.

4. When are the Greenhouse Gas emissions and/or co-benefits expected to occur and how will they be maintained?

(Please type in blank space below. Please note there is no space limitations).

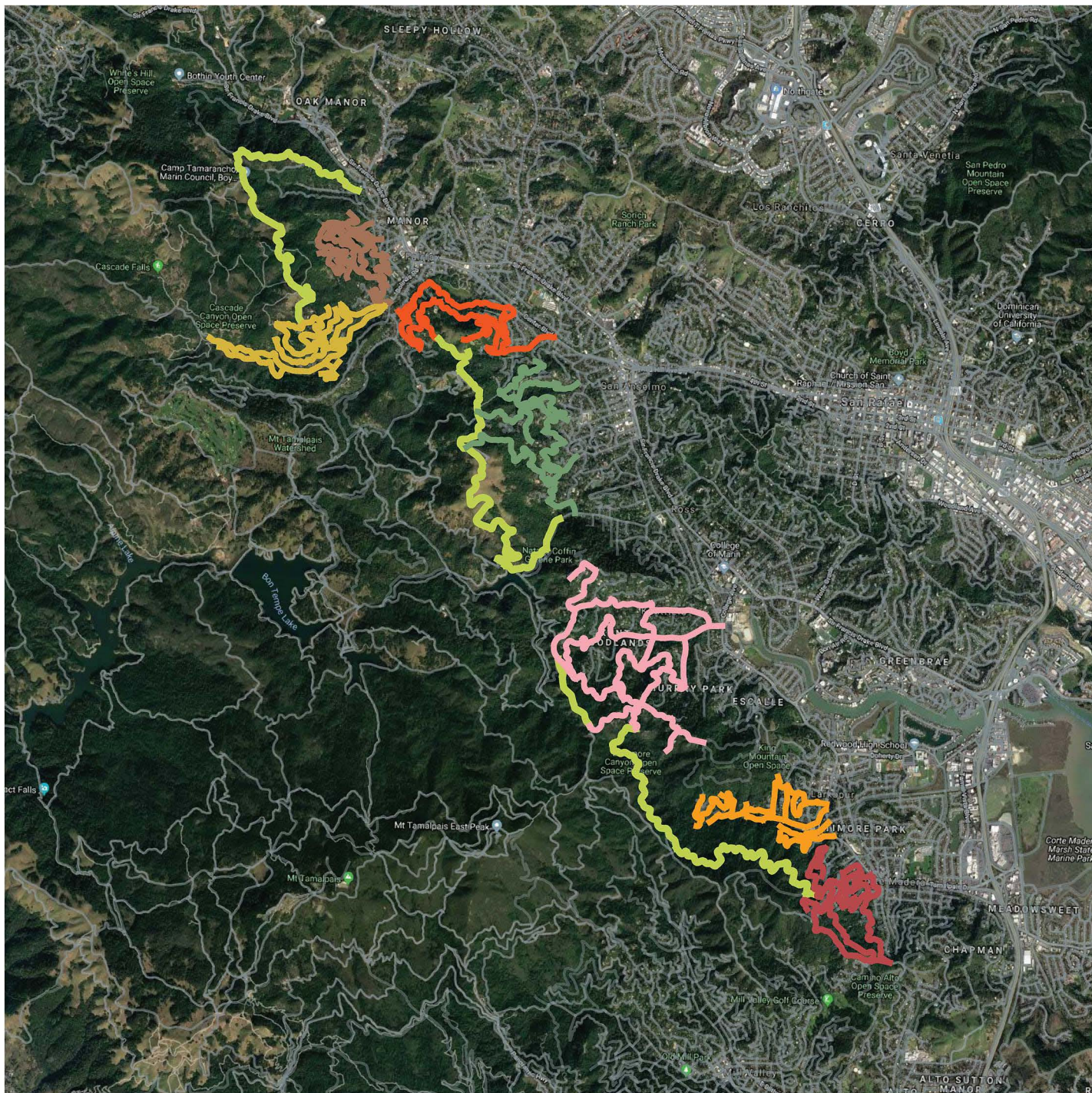
Greenhouse gas emission benefits will occur immediately upon completion of the initial fuel treatment during the grant period and will continue thereafter due to planned project area maintenance. Project area maintenance outlined above includes statutory enforcement (going forward) on residential properties of vegetation management requirements for roadsides, improved maintenance by municipalities or roadside vegetation, and implementation of planned vegetation management and maintenance along fire-roads by land manager. Annual maintenance and cutting will encourage an ongoing cycle of regrowth and carbon capture.

## Project Budget

Project Name: Central Marin &amp; Ross Valley Wildfire Access/Egress Fuel Reduction Program

Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
A. Salaries and Wages											
	Municipal Planning Staff	120	Hours	\$ 75	0%	0%	100%	\$ -	\$ -	\$ 9,000	\$ 9,000
		0	Hours	\$ -	0%	0%	100%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	100%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Salaries and Wages:								\$ -	\$ -	\$ 9,000	\$ 9,000
B. Employee Benefits											
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Employee Benefits:								\$ -	\$ -	\$ -	\$ -
C. Contractual											
	Roadside Vegetation Manager	43	Miles	\$ 15,000	100%	0%	0%	\$ 645,000	\$ -	\$ -	\$ 645,000
	Fire Road Vegetation Manager	13	Miles	\$ 17,500	100%	0%	0%	\$ 227,500	\$ -	\$ -	\$ 227,500
	Fire Department Vegetation Man	384	Hours	\$ 105	0%	0%	100%	\$ -	\$ -	\$ 40,320	\$ 40,320
	Fire Department Vegetation Man	384	Hours	\$ 105	0%	0%	100%	\$ -	\$ -	\$ 40,320	\$ 40,320
	Fire Department Vegetation Man	192	Hours	\$ 105	0%	0%	100%	\$ -	\$ -	\$ 20,160	\$ 20,160
Sub-Total Contractual:								\$ 872,500	\$ -	\$ 100,800	\$ 973,300
D. Travel & Per Diem:											
		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:								\$ -	\$ -	\$ -	\$ -
E. Supplies											
	Program signage (for each of 8 zo	8	Each	\$ 1,000	100%	0%	0%	\$ 8,000	\$ -	\$ -	\$ 8,000
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Supplies:								\$ 8,000	\$ -	\$ -	\$ 8,000
F. Equipment											
		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 Equipment:								\$ -	\$ -	\$ -	\$ -
G. Other Costs											
	CEQA Environmental compliance	7	Each	\$ 2,500	100%	0%	0%	\$ 17,500	\$ -	\$ -	\$ 17,500
	CEQA Environmental compliance	1	Each	\$ 5,000	100%	0%	0%	\$ 5,000	\$ -	\$ -	\$ 5,000
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
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		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Other Costs								\$ 22,500	\$ -	\$ -	\$ 22,500
Total Direct Costs								\$ 903,000	\$ -	\$ 109,800	\$ 1,012,800
Indirect Costs (Exclude Equipment)							10%	\$ 90,300		\$ 90,300	
Total Project Costs								\$ 993,300	\$ -	\$ 109,800	\$ 1,103,100
Less Program Income								\$ -			\$ -
Total Grant Proposed Costs								\$ 993,300	\$ -	\$ 109,800	#####





# Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

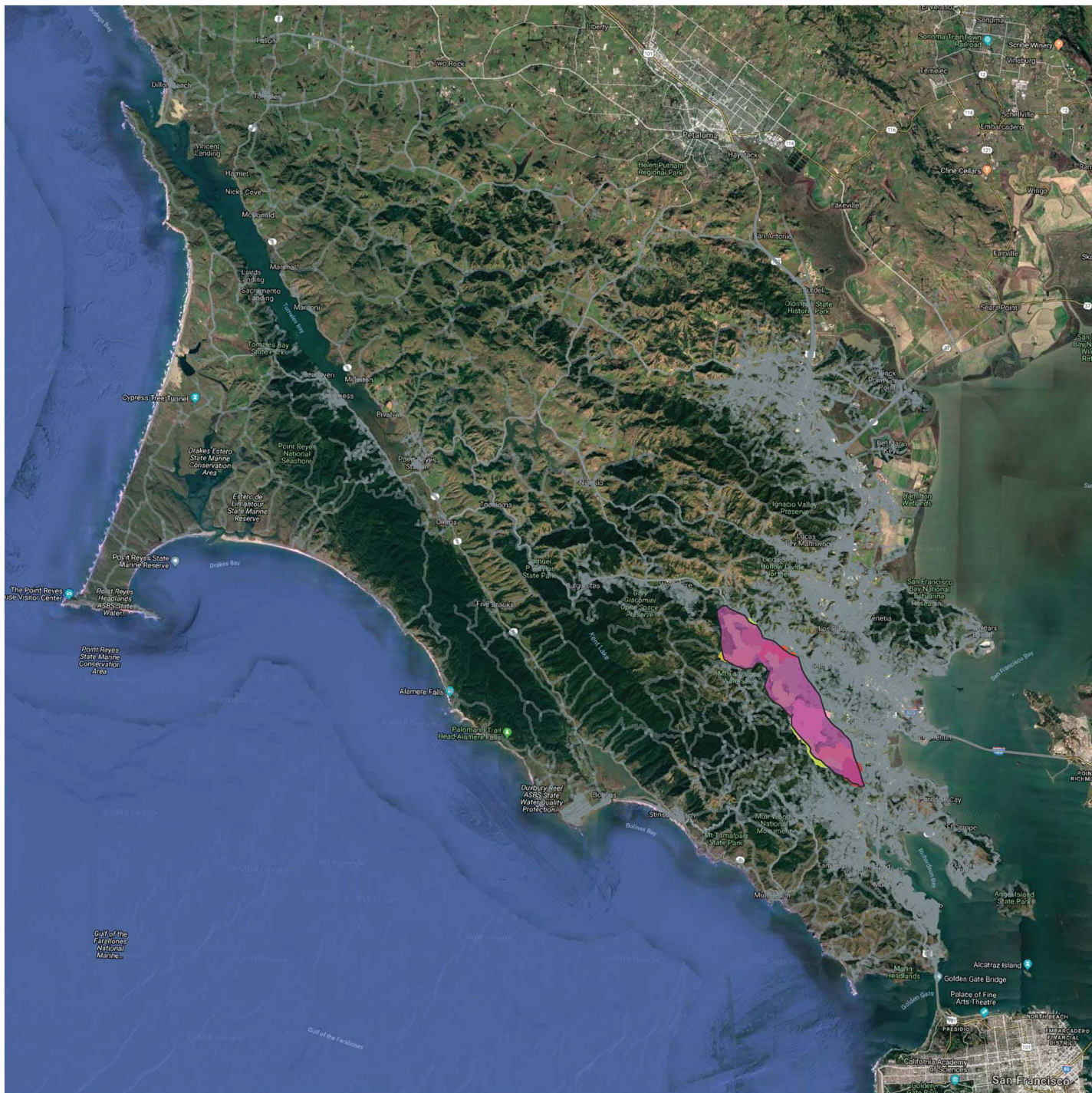
## Project Overview

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
- Madrone Canyon (Larkspur)
- Kent Woodlands (Kentfield)
- Bald Hill (Ross, San Anselmo)
- Cascade Canyon (Fairfax)
- Manor Hill (Fairfax)
- Forest/Scenic (Fairfax, San Anselmo)
- Fire Road Access/Ingress Routes
- Streets and Roads







## Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

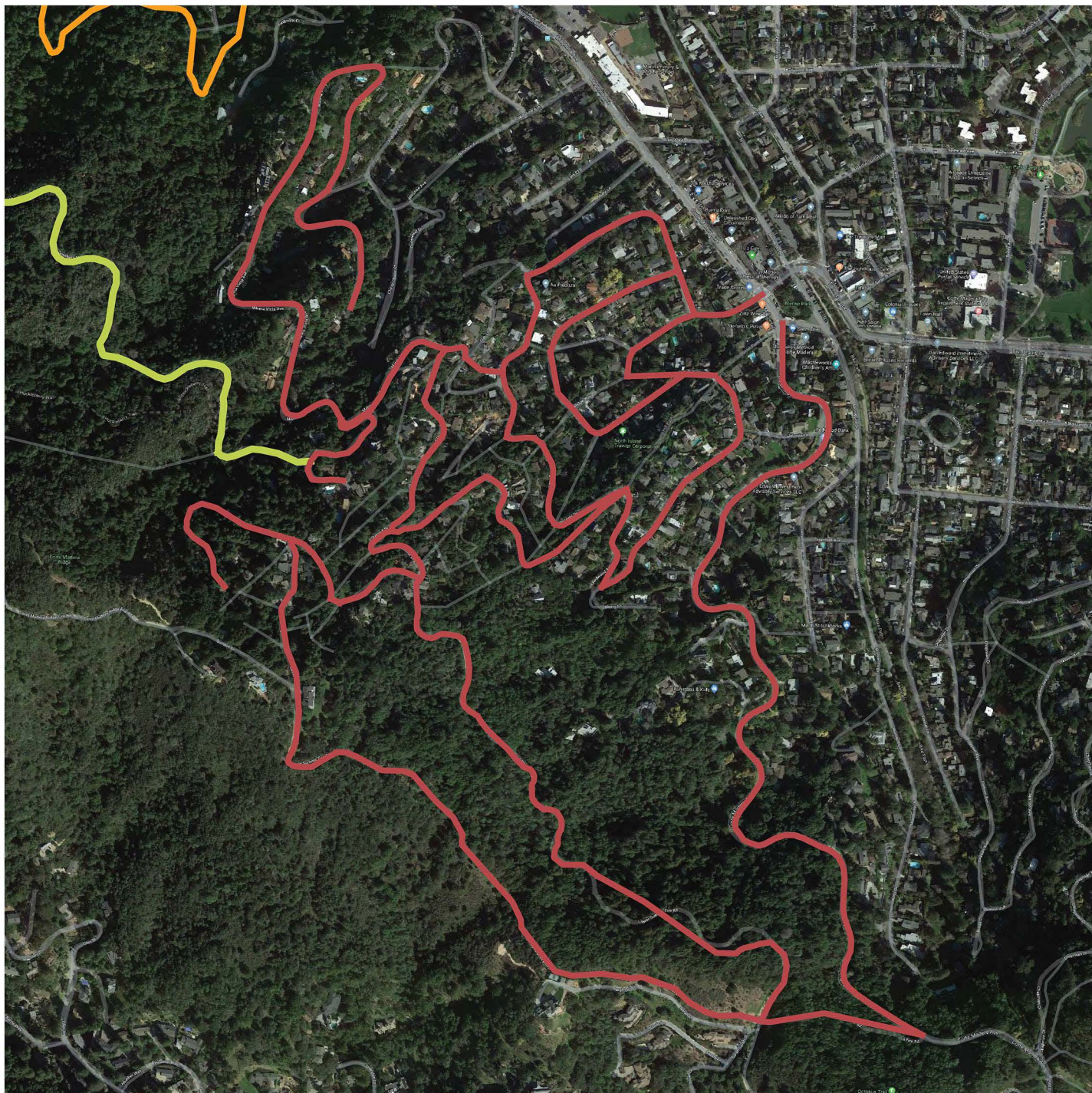
Project Influence Zone (PIZ)

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
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## Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

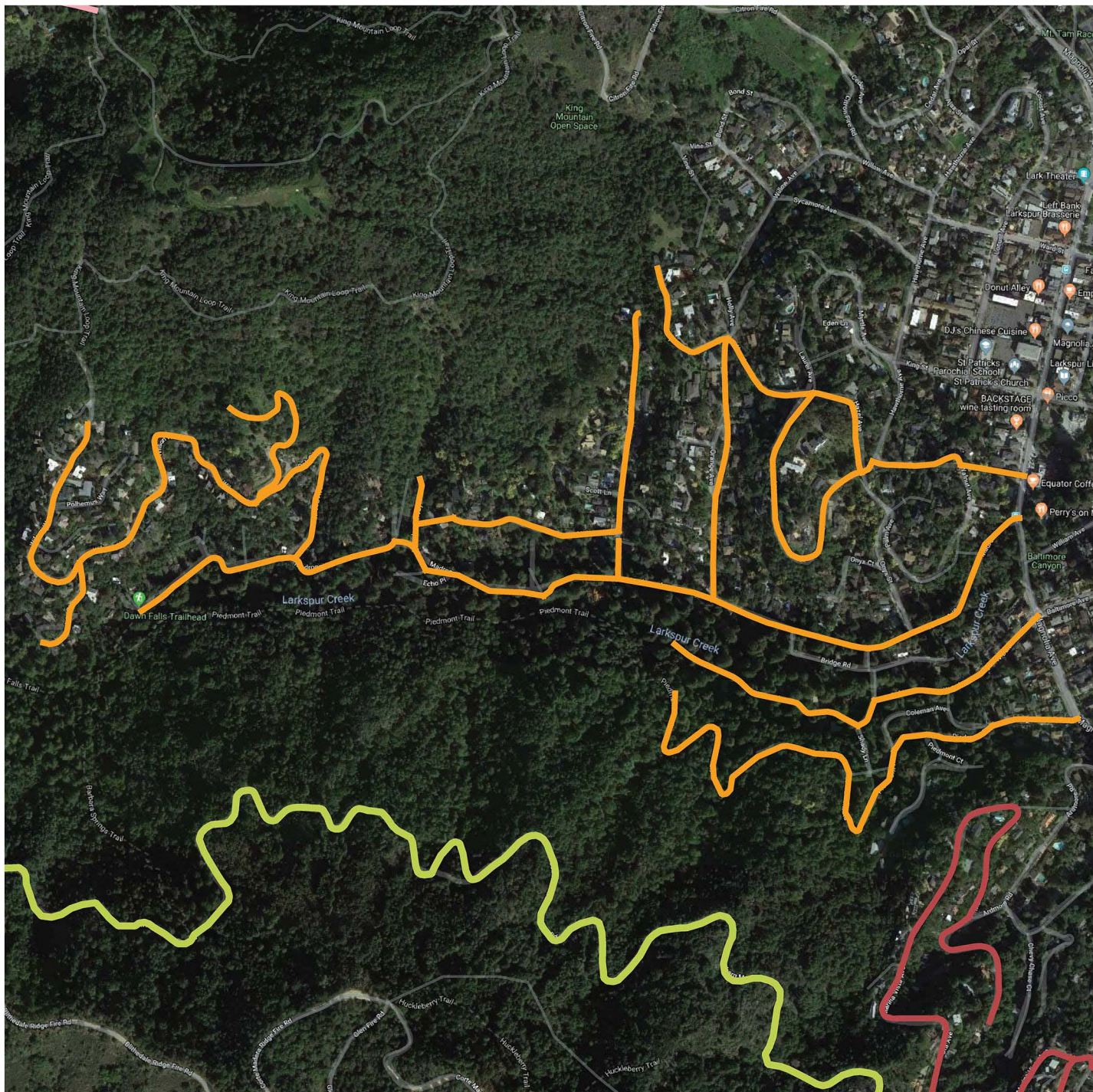
Christmas Tree Hill

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
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- Streets and Roads







# Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

Madrone Canyon

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
- Madrone Canyon (Larkspur)
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- Cascade Canyon (Fairfax)
- Manor Hill (Fairfax)
- Forest/Scenic (Fairfax, San Anselmo)
- Fire Road Access/Ingress Routes
- Streets and Roads





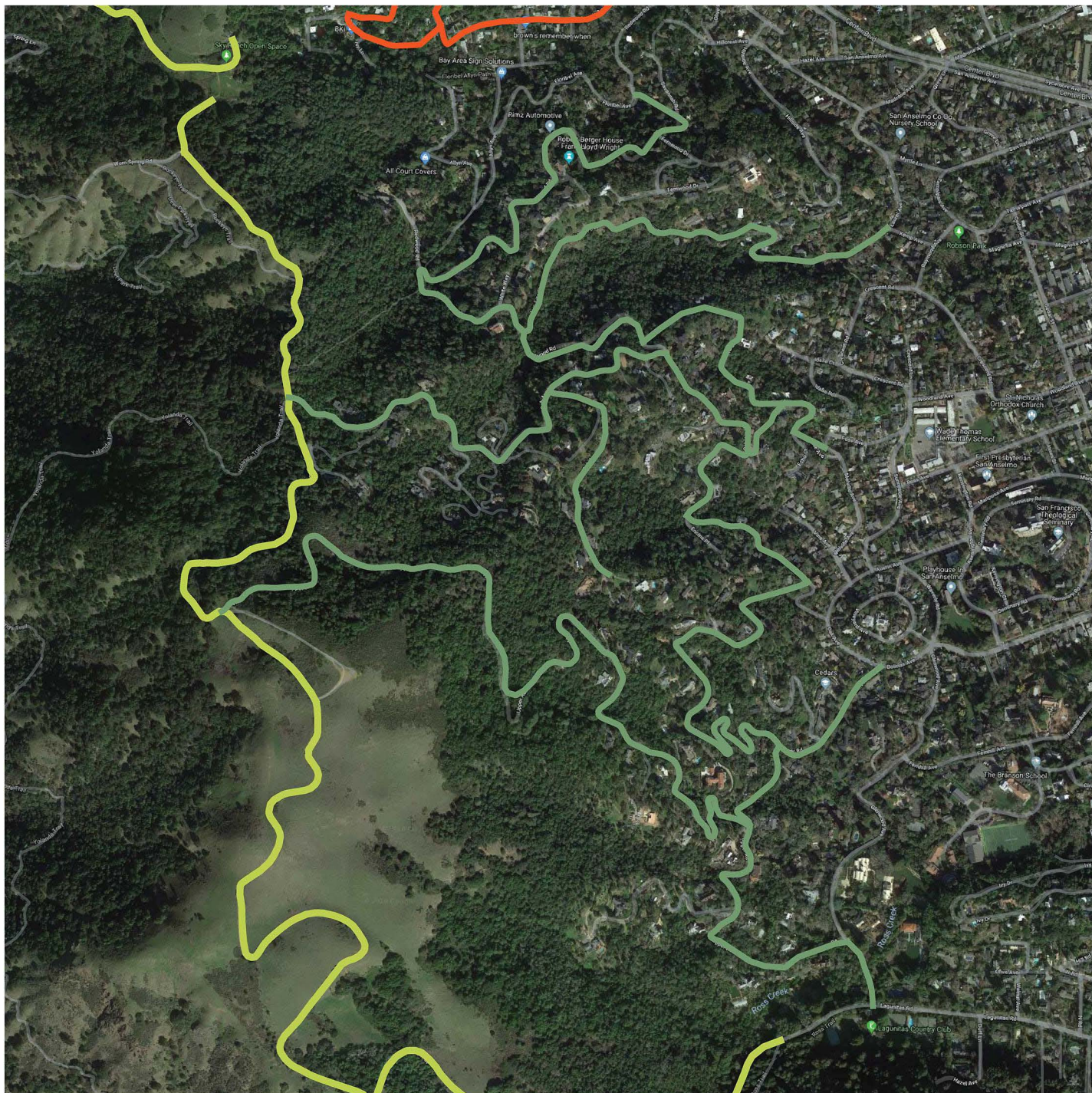


## 18-FP-MRN-1041

-  Christmas Tree Hill (Corte Madera)
-  Madrone Canyon (Larkspur)
-  Kent Woodlands (Kentfield)
-  Bald Hill (Ross, San Anselmo)
-  Cascade Canyon (Fairfax)
-  Manor Hill (Fairfax)
-  Forest/Scenic (Fairfax, San Anselmo)
-  Fire Road Access/Ingress Routes
-  Streets and Roads







# Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

Bald Hill

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
- Madrone Canyon (Larkspur)
- Kent Woodlands (Kentfield)
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- Manor Hill (Fairfax)
- Forest/Scenic (Fairfax, San Anselmo)
- Fire Road Access/Ingress Routes
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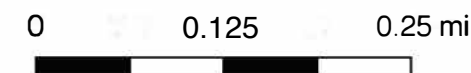


# Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

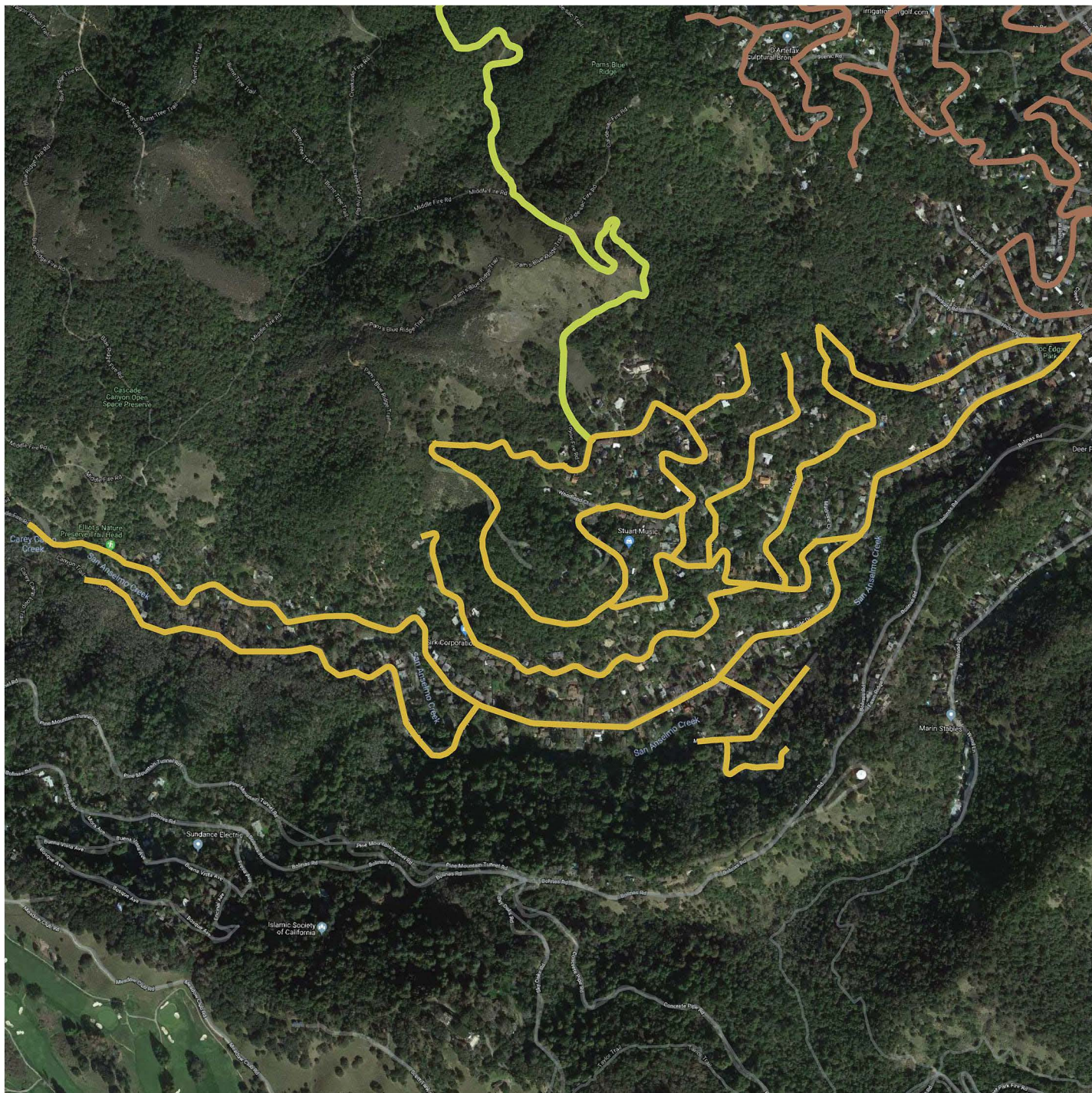
Forest/Scenic

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
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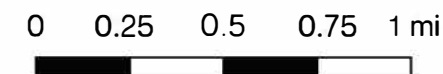


# Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

Cascade Canyon

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
- Madrone Canyon (Larkspur)
- Kent Woodlands (Kentfield)
- Bald Hill (Ross, San Anselmo)
- Cascade Canyon (Fairfax)
- Manor Hill (Fairfax)
- Forest/Scenic (Fairfax, San Anselmo)
- Fire Road Access/Ingress Routes
- Streets and Roads







# Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

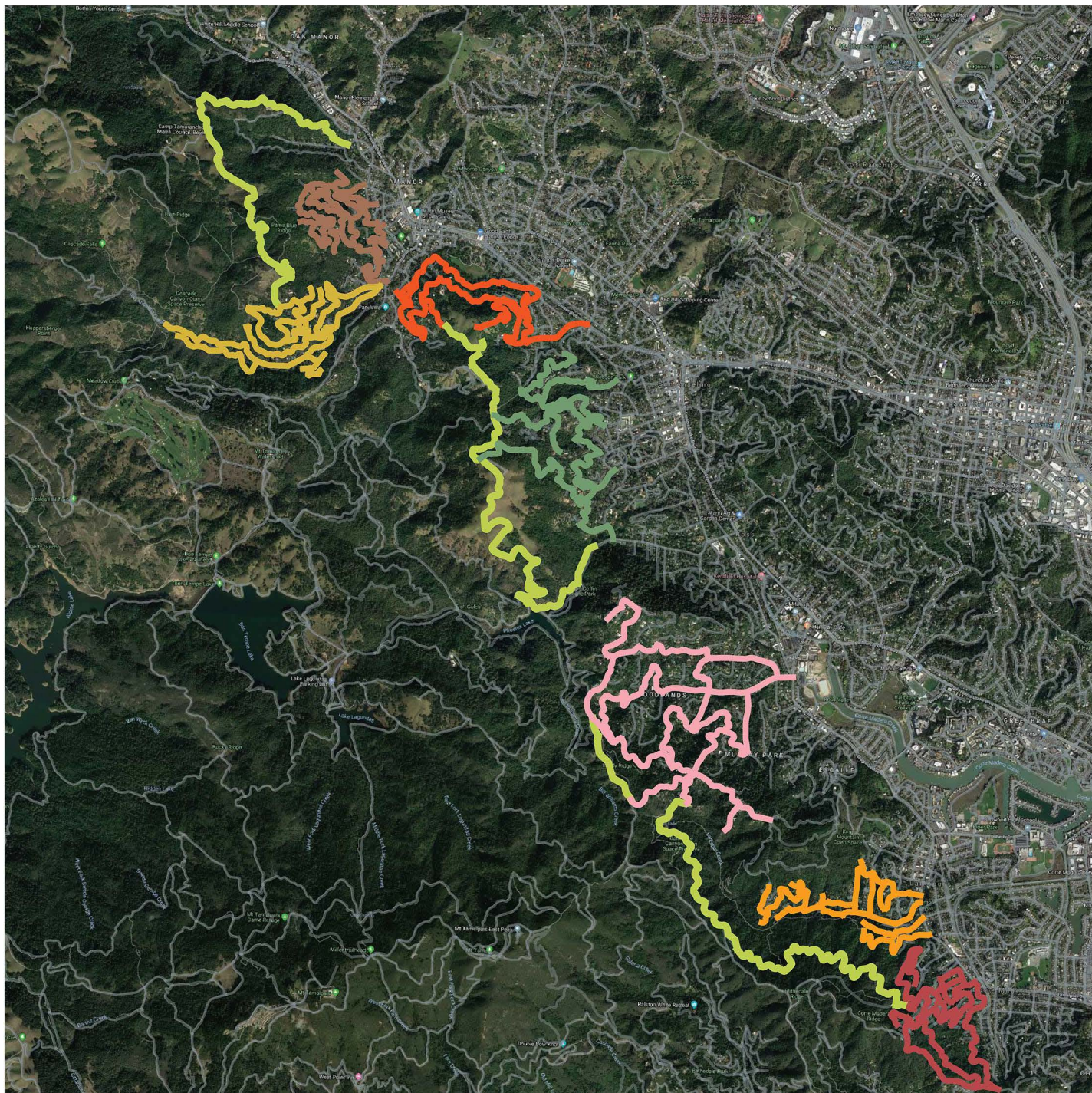
Manor Hill

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
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## Central Marin & Ross Valley Wildfire Access/Egress Fuel Reduction Program

Fire Road Access/Ingress

18-FP-MRN-1041

- Christmas Tree Hill (Corte Madera)
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