

SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA



ITEM  
3.20  
(ID # 7976)

MEETING DATE:

Tuesday, November 6, 2018

FROM : FIRE DEPARTMENT:

SUBJECT: FIRE DEPARTMENT: Acceptance of FY 2018 CAL FIRE California Climate Investments (CCI) Fire Prevention (FP) Grant No. 5GG17197 for the Elsinore Front Country Fuel Break Project; [District 1] [\$2,062,547 total grant] 92% State Grant Funds, 8% General Funds (4/5 Vote Required)

RECOMMENDED MOTION: That the Board of Supervisors:

1. Accept the FY 2018 CAL FIRE California Climate Investments (CCI) Fire Prevention (FP) Grant No. 5GG17197 in the amount of \$1,898,303 for the Elsinore Front Country Fuel Break project from the California Department of Forestry and Fire Protection awarded to the Riverside County Fire Department with an in-kind match of \$164,244; and,
2. Chairman sign in blue ink four (4) sets of the grant agreement signature page; and,
3. Authorize the Fire Chief or his designee to sign and administer all actions necessary and to sign any related grant documents; and,
4. Approve and Direct the Auditor-Controller to make the budget adjustment for FY 18/19 as outlined in Schedule A.

ACTION: 4/5 Vote Required

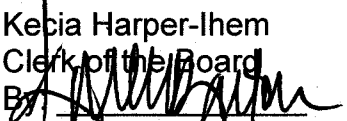
  
Shawn Newman, Chief Cal Fire Riverside County 10/15/2018

---

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Jeffries, seconded by Supervisor Perez and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Washington, Perez and Ashley  
Nays: None  
Absent: None  
Date: November 6, 2018  
xc: Fire, Auditor

Kecia Harper-Ihem  
Clerk of the Board  
  
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,  
STATE OF CALIFORNIA**

<b>FINANCIAL DATA</b>	<b>Current Fiscal Year:</b>	<b>Next Fiscal Year:</b>	<b>Total Cost:</b>	<b>Ongoing Cost</b>
<b>COST</b>	\$ 687,516	\$ 687,516	\$ 2,062,547	\$ 0
<b>NET COUNTY COST</b>	\$ 54,748	\$ 54,748	\$ 164,244	\$ 0
<b>SOURCE OF FUNDS:</b> 92% State Grant Funds, 8% General Funds			<b>Budget Adjustment:</b>	Yes
			<b>For Fiscal Year:</b> 18/19, 19/20, 20/21, 21/22	

**C.E.O. RECOMMENDATION:** Approve

**BACKGROUND:**

**Summary**

The California Climate Investments and the Department of Forestry and Fire Protection (CAL FIRE) budgeted up to \$195 million to CAL FIRE's Forest Health and Fire Prevention Programs. Together, these programs improve resiliency of forested and forest-adjacent communities and upper watershed forests while achieving climate goals. The grant funding is available for projects that focus on supporting local efforts to remove hazards that pose a threat to public health and safety and for projects that reduce the wildfire threat to habitable structures within State Responsibility Areas (SRA). Funded activities include hazardous fuel reduction, fire planning, and fire prevention education with an emphasis on improving public health and safety while reducing greenhouse gas emissions.

The department was awarded funding in the amount of \$1,898,303 for the Elsinore Front Country Fuel Break project. This project will construct 14.2 miles of a 300-foot wide shaded fuel break in the mountains to the west of Lake Elsinore, Wildomar, and adjacent unincorporated communities known as the Elsinore Front Country (EFC). The project consists of a fuels treatment area of 516 total acres which will reduce fire hazard for 5,300 habitable structures. The fuels treatment area will create a shaded fuel break by cutting, chipping, masticating, grinding, and pile burning (when appropriate), which will maintain cooler and moister understory conditions that will generally remain greener longer into the growing season and help reduce fire spread within the fuel break area. The project will reduce the risk of wildfire hazards that naturally exist in the area and are further accentuated through the "Elsinore Effect" weather pattern and wind events. The primary goals and objectives of this project are eliminating wildfire starts, catching wildfires before they blow into wildland or urban areas, and facilitating firefighting efforts and general public safety. The outcome of this project will contribute to reduced Greenhouse Gas emissions resulting from wildfire and increased carbon storage and carbon sequestration over time.

To accomplish the project goals, the department will procure a Registered Professional Forester (RPF) who is knowledgeable in fuel reduction techniques and systems. The RPF will design the fuels treatment prescription and oversee all fuel hazard reduction and vegetation removal as defined in Public Resource Code (PRC) sections 753 and 754 and will ensure environmental compliance is met. The RPF will mark/flag the project sites and conduct site visits during active

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,  
STATE OF CALIFORNIA**

project operations to ensure vegetation removal is being conducted according to the prescription. The department will concurrently procure a Licensed Timber Operator (LTO) to execute the prescribed vegetation treatment plan. The LTO, licensed under the Forest Practice Act, is the authorized agent that will conduct forest tree cutting and fuel removal and treatment operations and will comply with all laws and regulations relating to such tree cutting or removal. Grant administration will be provided by the department as in-kind match service through staff salary and benefits already budgeted.

**Impact on Citizens and Businesses**

These funds are dedicated to protecting the health and safety of the public and firefighting personnel against fire and fire related hazards in the unincorporated area.

**SUPPLEMENTAL:**

**Additional Fiscal Information**

The department was authorized to apply for this grant on June 5, 2018 (3-21). The project period of performance is from the date of final approval from the grantor through March 15, 2022, and the department is requesting a budget adjustment for one-third of the grant allocation for the current fiscal year. The Fire Prevention Grant Program does not require cost share match however the department will provide in-kind match through grant administration services totaling \$164,244 through currently approved budgeted departmental functions.

A portion of the project area burned during the Holy Fire in August 2018 and the department is working with the grantor to adjust the project accordingly. This will likely result in expanding the project area to the north and/or south of the approved fuels treatment area.

**Contract History and Price Reasonableness**

The Fire Prevention Grant Program replaces the State Responsibility Area Fire Prevention Fund (SRAFPF) and Tree Mortality (TM) Grant Program previously funded by CAL FIRE. On April 2, 2015, the department was awarded \$296,000 in SRAFPF funding to reduce hazardous fuels in the Idyllwild/Pine Coves areas. The Board of Supervisors action on May 12, 2015 (3-57) authorized the acceptance of the grant and the terms of the grant were satisfied.

**SCHEDULE A.      BUDGET ADJUSTMENT**

<b>Increase Appropriations</b>		
<b>10000-2700200000-527780</b>	<b>Special Program Expense</b>	<b>\$632,767</b>
	<b>Total</b>	<b>\$632,767</b>

<b>Increase Estimated Revenue:</b>		
<b>10000-2700200000-767220</b>	<b>Fed-Other Operating Grants</b>	<b>\$632,767</b>
	<b>Total</b>	<b>\$632,767</b>

SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,  
STATE OF CALIFORNIA



Sandy Armijo

10/29/2018



Ryan Carter, Principal Management Analyst

10/30/2018



Gregory V. Priamos, Director County Counsel

10/29/2018

**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)



October 3, 2018

**Jeremy Murphy**  
County of Riverside  
210 W. San Jacinto Ave.  
Riverside, CA 92570

**5GG17197; Elsinore Front Country Fuel Break**

**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 Gregg Bratcher at (951) 659-3335 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 **November 30, 2018**.

- 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: Virginia Hernandez  
Gregg Bratcher  
Stella Chan

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

to Riverside County Clerk of the Board, Stop 1010  
 Post Office Box 1147, Riverside, Ca 92502-1147  
 Thank you.

**APPLICANT:** County of Riverside  
**PROJECT TITLE:** Elsinore Front Country Fuel Break  
**GRANT AGREEMENT:** 5GG17197

**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 will construct 14.2 miles of a 300-foot wide shaded fuel break in the mountains to the west of the Lake Elsinore and Wildomar communities known as the Elsinore Front Country (EFC).


**Total State Grant not to exceed \$ 1,898,303.00** (or project costs, whichever is less)

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

ATTEST:  
 KECHIA HARPER-HEM, Clerk  
 BY:   
 DEPUTY

County of Riverside

STATE OF CALIFORNIA  
 DEPARTMENT OF FORESTRY  
 AND FIRE PROTECTION

Applicant  
 By   
 Signature of Authorized Representative

By \_\_\_\_\_  
 Title: **Dennis Mathisen, State Fire Marshal**

Title: **Chairman of the Board of Supervisors**  
 Date **NOV 06 2018**

Title: \_\_\_\_\_  
 Date \_\_\_\_\_

FORM APPROVED COUNTY COUNSEL  
 BY:   
 GREGORY P. PRIAMOS  
 DATE 11-27-18

**CERTIFICATION OF FUNDING**

AMOUNT OF ESTIMATE FUNDING <b>\$1,898,303.00</b>		GRANT AGREEMENT NUMBER <b>5GG17197</b>		FUND <b>Greenhouse Gas Reduction Fund</b>	
ADJ. INCREASING ENCUMBRANCE <b>\$ 0.00</b>		APPROPRIATION <b>Greenhouse Gas Reduction Fund</b>			
ADJ. DECREASING ENCUMBRANCE <b>\$ 0.00</b>		FUNCTION <b>Greenhouse Gas Reduction Fund</b>			
UNENCUMBERED BALANCE <b>\$1,898,303.00</b>	LINE ITEM ALLOTMENT <b>3540-001-3228</b>	CHAPTER <b>14, 249</b>	STATUTE <b>2017</b>	FISCAL YEAR <b>17/18</b>	
T.B.A. NO.	B.R. NO. <b>FY 17/18</b>	INDEX <b>9212</b>	OBJ. EXPEN D <b>418</b>	PCA <b>91015</b>	PROJECT/WORK PHASE <b>VENDOR#</b>

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

SIGNATURE OF CAL FIRE ACCOUNTING OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

NOV 06 2018 **3. 20**

**TERMS AND CONDITIONS OF GRANT AGREEMENT**

**I. RECITALS**

1. This Agreement, is entered into between the State of California, by and through the California Department of Forestry and Fire Protection (CAL FIRE), hereinafter referred to as "STATE" and County of Riverside, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed One Million Eight Hundred Ninety Eight Thousand Three Hundred Three Dollars (**\$1,898,303.00**).
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) Fire Prevention Grant Program Procedural Guide 2017-2018
  - 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 Chapter 249, Statutes of 2017 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 **5GG17197**.
- 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: County of Riverside
Section/Unit: RRU - Riverside Unit	Section/Unit:
Attention: Gregg Bratcher	Attention: Jeremy Murphy
Mailing Address: 25380 Franklin Dr. Idyllwild, CA 92549	Mailing Address: 210 W. San Jacinto Ave. Riverside, CA 92570
Phone Number: (951) 659-3335	Phone Number: 951-940-6361
Email Address: Gregg.Bratcher@fire.ca.gov	Email Address: jeremy.murphy@fire.ca.gov



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

### 3. Project Execution

- a. Subject to the availability of grant monies, the STATE hereby grants to the GRANTEE a sum of money (GRANT FUNDS) not to exceed the amount stated on Section I. RECITALS, Paragraph 2 in consideration of and on condition that the sum be expended in carrying out the purposes as set forth in the description of the Project in this Agreement and its attachments and under the terms and conditions set forth in this Agreement.
- b. GRANTEE shall assume any obligation to furnish any additional funds that may be necessary to complete the Project. Any amendment to the Project as set forth in the Application on file with the STATE must be submitted to the STATE for approval in writing. No amendment is allowed until written approval is given by the STATE.
- c. GRANTEE shall complete the Project in accordance with the time of Project performance set forth in this Agreement, unless an amendment has been approved and signed by the STATE under the terms and conditions of this Agreement. Amendments must be requested in advance and will be considered in the event of circumstances beyond the control of the GRANTEE, but 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 18 months from start date of the Agreement. The start date is considered the date the last party signs the Agreement. GRANT FUNDS will be made available in advance of CEQA compliance for project activities that do not have the potential to cause a direct environmental impact (e.g. project planning, locating and

marking property or project boundaries, contacting and signing up landowners, etc.).

- f. GRANTEE shall permit periodic site visits by representative(s) of the STATE to ensure program compliance and that work is in accordance with the approved Project Scope of Work, including a final inspection upon Project completion.
- g. GRANTEE, and the agents and employees of GRANTEE, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents, of the STATE.

#### 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

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:

California Department of Forestry & Fire Protection  
Attention: Gregg Bratcher  
25380 Franklin Dr.  
Idyllwild, CA 92549
- i. Notwithstanding any of the provisions stated within this Agreement, the STATE may at its discretion make advance payment from the grant awarded to the GRANTEE if GRANTEE is a nonprofit organization, a local agency, a special district, a private forest landowner or a Native American tribe. Advance payment made by the STATE shall be subject to the following provisions.
  - GRANTEE shall submit a written request identifying how funds will be used over a six-month period. The written request must be accompanied by an invoice that contains the same level of detail as a regular invoice.
  - GRANTEE shall file an accountability report with STATE four months from the date of receiving the funds and every four months thereafter.

- Multiple advance payments may be made to a GRANTEE over the life of a project.
- No single advance payment shall exceed 25% of the total grant amount and must be spent on eligible costs within six months of the advance payment request. GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. The balance of unspent advance payment funds not liquidated within the six-month spending period will be billed for the return of advanced funds to the STATE.
- All work under a previous advance payment must be fully liquidated via an invoice and supporting documentation and completed to the STATE's satisfaction before another advance payment will be made.
- Any advance payment received by a GRANTEE and not used for project eligible costs shall be returned to CAL FIRE. The amount will be returned to the grant balance.
- Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and used toward offsetting the project cost or returned to the STATE.

#### 5. Budget Contingency Clause

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

#### 6. Project Administration

- a. GRANTEE shall provide the STATE a written report showing total final Project expenditures and matching funds upon Project completion or grant expiration, whichever occurs first. GRANTEE must report to the STATE all sources of other funds for the Project. If this provision is deemed to be violated, the STATE will request an audit of GRANTEE and can delay the disbursement of funds until the matter is resolved.
- b. GRANTEE shall promptly submit written Project reports as the STATE may request throughout the term of this Agreement.
- c. GRANTEE shall submit a final accomplishment report, final invoice with associated supporting documentation, and copies of materials developed

using GRANT FUNDS, including but not limited to plans, educational materials, etc. within 30 days of Project completion.

#### 7. Financial Records

- a. GRANTEE shall retain all records described in Section 7(c) below for three (3) years after final payment by the STATE. In the case an audit occurs, all such records shall be retained for one (1) year from the date is audit is completed or the three (3) years, whichever date is later.
- b. GRANTEE shall maintain satisfactory financial accounts, documents, and records for the Project and make them available to the STATE for review during reasonable times. This includes the right to inspect and make copies of any books, records, or reports of GRANTEE pertaining to this Agreement or matters related thereto.
- c. GRANTEE shall keep such records as the STATE shall prescribe, including, but not limited to, records which fully disclose (a) the disposition of the proceeds of state funding assistance, (b) the total cost of the Project in connection with such assistance that is given or used, (c) the amount and nature of that portion of the Project cost supplied by other sources, and (d) any other such records as will facilitate an effective audit. All records shall be made available to the STATE, other State of California agency, or other entity as determined by the State of California for auditing purposes at reasonable times.
- d. GRANTEE shall use any generally accepted accounting system.

#### 8. Project Termination

- a. This Agreement may be terminated by the STATE or GRANTEE upon 30-days written notice to the other party.
- b. If either party terminates the Agreement prior to the completion of the Project, GRANTEE shall take all reasonable measures to prevent further costs to the STATE under the Agreement and the STATE shall be responsible for any reasonable and non-cancelable obligations incurred by GRANTEE in the performance of this Agreement prior to the date of the notice to terminate, but only up to the undisbursed balance of funding authorized in this Agreement.
- c. Failure by GRANTEE to comply with the terms of this Agreement may be cause for suspension of all obligations of the STATE hereunder at the discretion of the STATE.

- d. Failure of GRANTEE to comply with the terms of this Agreement shall not be cause for the suspension of all obligations of the STATE hereunder if in the judgment of the STATE such failure was due to no fault of GRANTEE. At the discretion of the STATE, any amount required to settle at minimum cost any irrevocable obligations properly incurred shall be eligible for reimbursement under this Agreement.
- e. Final payment to GRANTEE may not be made until the STATE determines the Project conforms substantially to this Agreement.

9. Hold Harmless

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

10. Tort Claims

FEDERAL:

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

STATE:

The State of California shall be liable, to the extent allowed by law and subject to California Government Code, Title 1, Division 3.6, providing for the filing of tort claims against the State of California, for personal injuries or property damage resulting from the negligent or wrongful act or omission of State of California employees while acting within the scope of his or her employment, arising out of this Agreement.

11. Nondiscrimination

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

12. 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/cci-quantification-benefits-and-reporting-materials>).
4. Grantee shall report project and benefits information when requested by the State. This may include, but is not limited to, funding expended, acres treated, GHG emissions, trees planted, disadvantaged community benefits, energy/water savings, job creation, and other co-benefits.
5. Grantee shall maintain accurate and detailed records documenting project description, project location, and schedule, CCI dollars allocated, and leveraged funds throughout the duration of the project.
6. Failure of Grantee to meet the agreed upon terms of achieving required GHG reduction may result in project termination and recovery of funds.

**II. MONITORING AND REPORTING REQUIREMENTS**

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



**III. PROGRAM ACKNOWLEDGEMENT/RECOGNITION**

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

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

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

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

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

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

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



**California Department of Forestry and Fire Protection (CAL FIRE)  
California Climate Investment  
Fire Prevention Program Grant Application  
Fiscal Year 2017-18 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 questions 6 & 17)

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

If Non-Profit, are you a registered 501(c)(3)?  **Fire Protection Provider:**

**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 #: 17-FP-RRU-2048

Project Name: Elsinore Front Country Fuel Break

**6. Project Location:** Identify a central point that identifies the general area of project activities. Enter the information in NAD 83 - degrees, minutes and seconds in whole numbers. Enter Longitude as a positive number.

A **REQUIRED** component of the application is the usage of the Fire Prevention Grant Project/Treatment Area Mapping Program. The mapping program and directions can be found here: [http://calfire.ca.gov/fire\\_prevention/firepreventiongrants](http://calfire.ca.gov/fire_prevention/firepreventiongrants)

Latitude N  °  '  " Longitude W  °  '  "

Latitude must be between 32 and 42 degrees. Longitude must be between 114 and 125 degrees. Latitude and Longitude minutes and seconds must be between 0 and 60. For planning or public education projects, use a central point in the WUI for the general area covered by the project.

Please attach a Project map in PDF format with geographic information describing your project location. The map should show the surrounding area in relation to the project. **File naming convention:** Features should be named with the Tracking # and Feature Type. Example: 17-FP-UUU-XXX-MAP.pdf

**"Project Area"** is the general area where project activities will reduce wildfire risk and/or damage. All projects must have a project area. For planning or public education grants or other projects that don't have well-defined boundaries, provide a map that generally covers the area. For example, for a county-wide public education project, the map should identify the populated portion of the WUI in the county.

**7. Project Area Statistics:**

For all projects, give an estimate of the project area size and include an estimate of the number of habitable structures impacted by the project. Provide the size of the treatment area for projects that include fuels treatment.

	LRA	FRA	SRA
Habitable Dwellings (# of dwellings):	<input type="text" value="300"/>	<input type="text" value="0"/>	<input type="text" value="5,000"/>
Project Area (acres):	<input type="text" value="1,105"/>	<input type="text" value="0"/>	<input type="text" value="2,788"/>
Fuels Treatment Area (acres):	<input type="text" value="206"/>	<input type="text" value="0"/>	<input type="text" value="310"/>

**8. SRA Fire Hazard Severity Zones (FHSZ):**

What SRA Fire Hazard Severity Zones (FHSZ) are in the project area? SRA Fire Hazard Severity Zone ratings are available at: [http://calfire.ca.gov/fire\\_prevention/fire\\_prevention\\_wildland\\_zones.php](http://calfire.ca.gov/fire_prevention/fire_prevention_wildland_zones.php)

Please provide an approximate number of acres or percentage of the project area in each zone.

FHSZ Rating	Acres	Percent	
Very High	<input type="text" value="3,735"/>	<input type="text" value="96"/>	%
High	<input type="text" value="0"/>	<input type="text" value="0"/>	%
Moderate	<input type="text" value="158"/>	<input type="text" value="4"/>	%
Non SRA (Federal or Local Area)	<input type="text" value="0"/>	<input type="text" value="0"/>	%
<b>TOTAL</b>	<b>3,893</b>	<b>100</b>	<b>%</b>

Acres Note: Total acres must be the same as Item 7 Project Area (Acres).  
Percent Note: Total % must be 100%

Tracking #: 17-FP-RRU-2048

Project Name: Elsinore Front Country Fuel Break

**9. 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.

**10. 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:

**11. Communities 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(ies)? If none, enter "none".

Number of Community(ies) at Risk:

**12. Disadvantaged/Low Income Community(ies):** Does the project contain a Disadvantaged and/or Low Income Community?

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

**13. 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 project will reduce fuels in a 516 acres fuels treatment area which will help protect 5,300 habitable structures in the Elinore Front Country, which will contribute to reduced Greenhouse Gas emissions resulting from wildfire.

**14. 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 Portion of project (\$)	<input type="text" value="\$1,898,303.00"/>
Equipment Purchases (\$)	<input type="text" value="\$0.00"/>
Partners (\$)	<input type="text" value="\$164,244.00"/>
Total Project Budget (\$)	<input type="text" value="2,062,547"/>

**15. Local Wildland Fire Risk Reduction Plans:**

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

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

Tracking #: 17-FP-RRU-2048

Project Name: Elsinore Front Country Fuel Break

**16. CEQA Compliance:**

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

Please indicate the CEQA document type:

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

Document Identification Number

**17. 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)	<input type="text" value="17-FP-RRU-2048-Application.pdf"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scope of Work	<input type="text" value="17-FP-RRU-2048-SOW.docx"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Budget	<input type="text" value="17-FP-RRU-2048-Budget.xlsx"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Map (.pdf)	<input type="text" value="17-FP-RRU-2048-MAP.pdf"/>
<input type="checkbox"/>	<input type="checkbox"/>	Articles of Incorporation (.pdf)	<input type="text" value="Not applicable"/>

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

  
Original Signature Required: Grantee's Authorized Representative

6/6/18  
Date Signed

Printed Name

Title

Executed on:   
Date

at   
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 **June 6, 2018**. Electronic copy must be submitted no later than **June 6, 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 #: 17-FP-RRU-2048

Project Name: Elsinore Front Country Fuel Break



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



**Project Name: Elsinore Front Country Fuel Break**

**Project Tracking Number: 17-FP-RRU-2048**

**Project Description Summary:** Please provide a paragraph summarizing proposed project including the location, habitable structures, acres treated, etc.

This project will construct 14.2 miles of a 300-foot wide shaded fuel break in the mountains to the west of the Lake Elsinore and Wildomar communities known as the Elsinore Front Country (EFC). The project consists of a fuels treatment area of 516 total acres which will reduce fire hazard for 5,300 habitable structures. The project will reduce the risk of wildfire hazards that naturally exist in the area and are further accentuated through the "Elsinore Effect" weather pattern and wind events. The primary goals and objectives is eliminating wildfire starts, catching wildfires before they blow into wildland or urban areas, and facilitating firefighting efforts and general public safety. All of these will contribute to reduced Greenhouse Gas emissions resulting from wildfire and increased carbon storage and sequestration over time.

**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.
2. Describe the goals, objectives, and expected outcomes of the project.
3. Provide a clear rationale for how the proposed project will reduce the risks associated with wildfire to habitable structures in the WUI.
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.
5. Is the scale of the project appropriate to achieve the stated goals, objectives and outcomes discussed in Item 2 above?
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?

**Section 2: Planning Projects**

1. Describe the geographic scope of the project, including the communities that will benefit, and an estimate of the number of structures within the project area.
2. Describe how the project will assess the risks to residents and structures in the WUI and prioritize projects to reduce this risk over time.

3. Does the proposed plan add or build upon previous wildfire prevention planning efforts in the general project area?
4. Identify a diverse group of key stakeholders, including local, state, and federal officials where appropriate, to collaborate with during the planning process. Discuss how the project proponent plans to engage with these targeted stakeholders.
5. Describe the pathways for community involvement that will be incorporated in the planning process.

**Section 3: Education**

1. Describe the specific message of the education program and how it relates to reducing the risk of wildfire to owners of structures in the WUI.
2. Describe the target audience of the education program and how information will be distributed to this audience.
3. Will the education program raise the awareness of homeowner responsibilities of living in a fire prone environment?
4. Identify specific actions being advocated in the education material that is expected to increase the preparedness of residents and structures in the WUI for wildfire.
5. Describe the expected outcome of the education in terms of increased or changed public awareness about wildfire.

Answer only 1 set of questions from above, depending on your project; Fuel Reduction, Planning or Education.

### **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 Elsinore Front Country (EFC) area is in the Elsinore Mountains, which is part of the larger Santa Ana mountain range that separates Riverside County and Orange County. The geographic scope of the project is a steep mountainous wildland urban interface surrounding an urban setting of two cities and several unincorporated Riverside County communities. The communities that will benefit from this project are the cities of Lake Elsinore, and Wildomar, the unincorporated community of Lakeland Village and other unincorporated portions of Riverside County, and potentially communities in Orange County. The area has 5,300 habitable structures in the 3,893 acres of the project area, of which 516 acres are in the fuels treatment area. Ninety-six percent of the area are rated in the "Very High" fire hazard severity zone, of which 72% of the land area is within the State Responsibility Area (SRA) and 28% is within Local Responsibility Area (LRA).

The localized weather pattern in the area is of significant concern for this project. Summers bring an unusual combination of topography, proximity to the Pacific Ocean 20 to 25 miles to the west, and to the east, the hot, dry inland valleys and deserts. This unique combination causes marine air to flow eastward over the crest of the Santa Ana mountains and down through the northeast-facing canyons and drainages of the Elsinore Front. This phenomenon is so familiar to southern California firefighters that it has been named the "Elsinore effect". During the heat of summer, fires burning in the afternoon along the Elsinore Front would typically burn down-slope contrary to most normal fire behavior, towards the urban cities of Lake Elsinore and Wildomar. This down slope movement of air would generally abate around sundown as the areas to the east cooled, at which time fires would likely reverse direction and begin to burn up-slope towards the wildlands that connect the counties of Riverside and Orange. Santa Ana wind conditions further add to the complexity and fire hazard to the area.



The shaded fuel break will create a strip of land where fuel (for example, living trees and brush, and dead branches, needles, or downed logs) will be modified or reduced to limit the fire's ability to spread rapidly. The 516-acre fuels treatment area will create a shaded fuel break by cutting, chipping, mastication, grinding, and pile burning (when appropriate). The shaded fuel break will maintain cooler and moister understory conditions which will generally remain greener longer into the growing season and help reduce fire spread within the fuel break area.

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

**Goals:** The overall project goal is to reduce the wild fire hazard risk for the 5,300 habitable structures by creating a shaded fuel break over 516 acres of fuels treatment area in the 3,893 acres of project area. The first goal is to procure a Registered Professional Forester (RPF) who is knowledgeable in fuel reduction techniques and systems to prepare the necessary CEQA documents, create the fuels treatment prescription plan, and mark/flag the site as prescribed. RCFD will concurrently procure a Licensed Timber Operator (LTO) to execute the prescribed vegetation treatment plan. The long-term goal to accomplish with the project is to increase protection for the communities in and around the Elsinore Front Country area from fires originating along or above the area as well as increase protection for the area itself from fires starting below the area.

**Objectives:** The project objectives are to reduce existing heavy fuel loads adjacent to the EFC, a densely populated and heavily traveled area, to broaden the existing shaded fuel break, and create a wider buffer of protection along the 14 miles of the area. This will be accomplished first by a thorough inspection along the area by the RPF to insure CEQA and Harvest Timber Plan compliance, then by a Licensed Timber Operator crew to perform the actual work of hazardous fuel reduction and widening. The fuel reduction project will be completed by piling dead vegetation, thinning brush and small trees with chainsaws and placing this material into small piles to be burned in cool weather or chipped where accessible. The project will conclude with a final inspection first by the Contracts administrator and then a Riverside County Fire Inspector to confirm activity completion.

**Expected Outcomes:** This project will create a shaded fuel break that is 300 feet wide, 14.2 miles long, and approximately 516 acres in total fuels treatment area. This will be achieved by a RPF prescribing a treatment plan for an LTO to execute to remove and reduce high hazard fuels that are at risk of wildfire.

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

Our project is to construct a shaded fuel break in the mountains to the west of the Lake Elsinore and Wildomar communities. This will mitigate the risks of wildfire in areas where natural fire regimes have been suppressed, leading to a dangerous buildup of combustible vegetation. We will retain a RPF to prescribe the treatment plan, mark and flag the sites, and manage the project. We will selectively thin and

flag the sites and manage the project. We will selectively thin and remove more flammable understory vegetation while leaving the majority of larger, more fire tolerant tree species in place. Because of the ecologically sensitive nature of the area, its location to an urban area, other avenues of fire mitigation like controlled burns and (unshaded) fuel breaks are generally considered less cost and risk effective and generally are not considered as safe. The shaded fuel break is intended to leave the larger trees that shade the area in place while eliminating the understory that is more likely to contribute to the severity of a fire. Cutting vegetation is done selectively in a manner that favors preserving the ability of vegetation to hold the soil. The ground cover and low-lying shrubs are not eliminated in this break, only trees. This cut is not a blanket cut that indiscriminately removes all vegetation, nor is it a clear cut. As such, the treatment will not increase risk of erosion.

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 assets in this area that are at risk for wildfire include:

- Municipal water supply: Elsinore Valley Municipal Water District
- # of power lines: Southern California Edison has double-circuit 220,000 kilovolt transmission lines that connect power lines for over 111,000 residents.
- # of communication facilities: There are several community facilities
- # of community centers: There are 24 community centers
- Highways and other infrastructure of a city: The area has 2 main highways, along with standard urban infrastructure
- School, hospitals, businesses in the city: There are 4 hospitals, 24 schools, and dozens of government buildings, and many businesses of varying sizes

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

The scale of the project is appropriate to achieve our goals, objectives, and desired outcomes.

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 taken to a local grinding facility to be used as an alternative fuel source for a cogeneration power plant (power plant creates power burning woody biomass). Some material will be chipped on site for erosion control, mulch for moisture retention, and compost for future plant/tree food. The material will reduce GHG in that chipped material left on site will not release its stored carbon through combustion in a wildfire, and material taken off-site will be used as an alternative fuel source that releases less carbon than other fuel sources and also will not be released during a wildfire.

**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?

The proposed project is consistent with the 2010 California Strategic Fire Plan, the RRU 2014 Unit Strategic Fire Plan, and two current strategic plans that address the risk and potential impact to habitable structures from wildfire in the SRA. The Riverside County Fire Department has re-entered into agreements with the current private property owners whose properties lie within the El Carico Fuel Reduction Project and established new projects such as the South Main Divide Fuel Reductions Project, and a part of the area will be covered in the Southwest Fire Safe Council CWPP, which add protection from a fire spreading down slope into the communities from the north and east. In addition to maintaining the prescribed fuel loading levels completed, it is proposed that the CAL FIRE/Riverside County Fire Department increases the treatment area within the same private properties to broaden the "shaded fuel break" and create a wider buffer of protection.

**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)
2. Describe the geographic proximity of the project to structures at risk to damage from wildfire in the WUI.

According to the latest Fire and Resource Assessment Program maps, the area proposed to be treated in this project is categorized as very high fire hazard severity zone. There are 3,893 structures that lie within or in the Wildland Urban Interface (WUI) on this project and 3,735 structures are in a "Very High" Fire Hazard Severity Zone and 158 lie within the "Moderate" rating. This project location has a severe fire risk and fire history.

**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?
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.
3. Describe any plans to maintain the project after the grant period has ended.
4. Does the proposed project work with other organizations or agencies to address fire hazard reduction at the landscape level?

1. The Riverside County Fire Department will provide in-kind support through administrative services and functions. The grant will require multiple positions to provide services such as project management, accounting, IT/communications, purchasing, and contract management. We estimate the administrative time that will be required by this grant is estimated at one-half of a full-time equivalent (FTE) employee per year dedicated to the grant for administrative functions. We estimate the one-half FTE will dedicate 3,120 hours over the three-year project at a value of \$164,244 through project management and administrative functions.
2. The RCFD Public Information Officer (PIO) will provide press releases to the public as appropriate and needed to ensure all affected communities are informed of the project goals, objectives, and progress. The RCFD PIO will also attend community meetings and provide information through the departments website, social media accounts, and the local media to ensure information effectively and appropriately flows to citizens of the communities.
3. On an annual basis, the department will assign hand crews to the project sites after completion of the grant period to maintain the shaded fuel break areas.
4. The project works with the South Main Divide which is a multi-agency effort to work together with RCFD, the USFS and Cal Fire. Southwest Fire Safe Council does multiple brush collections to help encourage local property owners to make their properties safer. The Santa Rosa Plateau Ecological Preserve also does live burns.

**E. Project Implementation**

1. Discuss the anticipated timeline for the project. Make sure to take seasonal restrictions into account.
2. Verify the expected timeframes to complete the project will fall under the March 15, 2022 deadline.
3. Describe the milestones that will be used to measure the progress of the project.
4. Describe measurable outcomes (i.e. project deliverables) that will be used to measure the project's success.
5. If applicable, how will the requirements of the California Environmental Quality Act (CEQA) be met?

1. From the point the project is awarded, we will go through the Riverside County Purchasing process to retain a RPF and an LTO. Once a RPF is contracted, they will prepare the CEQA and other required documents and prepare the treatment prescriptions and site plans. Once these documents are prepared, the RPF will begin to manage the sites and flag/mark the fuels treatment areas and the prescribed treatment method. We anticipate this process to take four to six months. Once the RPF has marked out parts of the site, the LTO will begin to execute the treatment plan prescribed to each site as marked. The anticipated timeline for the project will take three years to complete. This considers the seasonality restrictions that make the area unable to work during the winter due to the steep terrain and dangerous conditions.
2. RCFD verifies we expect to complete the project by the March 15, 2022 deadline.
3. The milestones that will be used to measure the progress of the project are:
  - a. Year 1: Bid out and contract with RPF and LTO; RPF will prepare and submit CEQA and all other required documents; RPF will prepare treatment prescriptions; RPF will begin to manage the sites and mark out the treatment prescribed to the fuels treatment area; LTO will begin to execute treatment prescriptions in the fuels treatment area.
  - b. Year 2: LTO will treat at least 50% of the fuels treatment area as prescribed by the RPF.
  - c. Year 3: RPF and LTO will have 100% treatment completed on the prescribed treatment plan by March 22, 2022.
4. The measurable outcomes and project deliverables that will be used to measure the project's success are:
  - a. CEQA and other required documents will be prepared and submitted to appropriate agencies;
  - b. RPF will have a thorough fuels treatment plan and site plan;
  - c. RPF will have documented their work on site marking/flagging of the fuels treatment area;
  - d. RPF and LTO will have documented statistics for treatments completed which will be accumulated monthly.

**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.

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.

1. 2003 - Award Amount: \$634,759 FEMA - Grant No. FIPS # 065-0000: HMGP  
2004 - Award Amount: \$200,000 EAP - Grant No. 03-DG11051200-024  
2004 - Award Amount: \$4,975,000 SFA - Grant No. 04-DG11051200-029  
2004 - Award Amount: \$2,000,000 EWP - Grant No. 69-91044-236  
2008 - Award Amount: \$2,500,000 SFA - Grant No. 8-DG11051200-030  
2009 - Award Amount: \$650,000 ARRA - Grant No. 09-DG11059702-011  
2015 - Award Amount: \$296,000 SRA - Grant No. 5GS14153

All grant awards were successfully completed except for the 2008 award of \$2,500,000 which is currently active (approximately \$500,000 remaining) and will be completed during the coming year. These overlapping grant funds, more than \$10.3 million dollars utilized to date, have been used to remove more than 18,733 trees, treat more than 6176 acres, and assist owners of 2564 parcels on private and non-federal land in the Riverside County mountain communities through hazardous fuel abatement projects. Large Parcel projects were a major part of each grant budget with the exception of the ARRA grant. Additionally, through the Forest Health Enhancement Program grants and the Hazardous Fuels Treatment grants, 46 projects were completed including 182 acres of mastication, 465 acres of tree planting, and 545 acres of fuel reduction/forest health improvement projects.

2. RCFD has a full-time analyst who is responsible for monitoring and tracking all grant related projects and expenses. The grants analyst is also responsible for developing systems to maintain project records in a manner that allows for full accounting and audit trail of any 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.
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.

3. Is the total project cost appropriate for the size, scope, and anticipated benefit of the project?
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).
5. Explain each object category in detail and how that would support meeting the grant objectives.

1. The three areas where expenses will be incurred for this project is for a Registered Professional Forester (RPF), Licensed Timber Operators (LTO), and for administrative functions related to the grant.

The RPF will design and oversee all fuel hazard reduction vegetation removal as defined in Public Resource (PRC) Code §753 and 754. The RPF will mark/flag the project sites and conduct site visits during active project operations to ensure vegetation removal is being conducted according to the prescription. An RPF will also ensure CEQA/NEPA compliance is met. Based on similar projects we have completed in the past, we estimate an RFP will be needed for 1,287 hours over the three-year term of the grant at a cost of \$69 per hour, which equates to \$88,803 over the term of the grant.

The LTO licensed under the Forest Practice Act law is the authorized agent that will conduct forest tree cutting and conduct the fuel removal and treatment operations and will comply with all laws and regulations relating to such tree cutting or removal. The area that will be treated will be 300 feet wide by 14.2 miles long, which approximates to 516 acres. The LTO's that RCFD has contracted with in the past for similar services have charged \$3,500 per acre to provide treatment services, which equates to \$1,809,500 over the three-year term of the grant. We anticipate being able to treat 260 acres (or one-half of the total area) per year.

The administrative functions include multiple positions to provide services such as project management, accounting, IT/communications, purchasing, and contract management. We estimate the administrative time that will be required by this grant is estimated at one-half of a full-time equivalent (FTE) employee per year dedicated to the grant for administrative functions. The average hourly rate of all such administrative positions is \$36 per hour, with a

45% benefits rate (\$16/hour), the fully burdened rate equates to \$52 per hour. We estimate the one-half FTE will dedicate 3,120 hours over the three-year project at a value of \$164,244 through project oversight and administrative functions. The administrative costs equate to 11.9% of the grant activity costs and will be the match portion paid by RCFD.

2. Due to the steep topography and accessibility issues that the rugged terrain presents, the costs for the proposed activity are reasonable for the geographic area where the grant activities will be performed.
3. The project costs are appropriate, fair-market costs for a project of this scope and magnitude.
4. The indirect costs for the grant are limited to the administrative expenses related to managing the grant and are under the 12% threshold.
5. The Salary and Wages and Employee Benefits categories are limited to grant administrative activities as described above. The Contractual costs are for a Registered Professional Forester (RPF) to manage the grant activities and project site, and the Licensed Timber Operator will conduct the fuels reductions activities.

#### **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?
2. Is the project located in a Low-Income or Disadvantaged Community? If not, does the project benefit those communities. Please explain.
3. What are the expected co-benefits of the project/activity (i.e. environmental, public health and safety, and climate resiliency)?
4. When are the Greenhouse Gas emissions and/or co-benefits expected to occur and how will they be maintained?



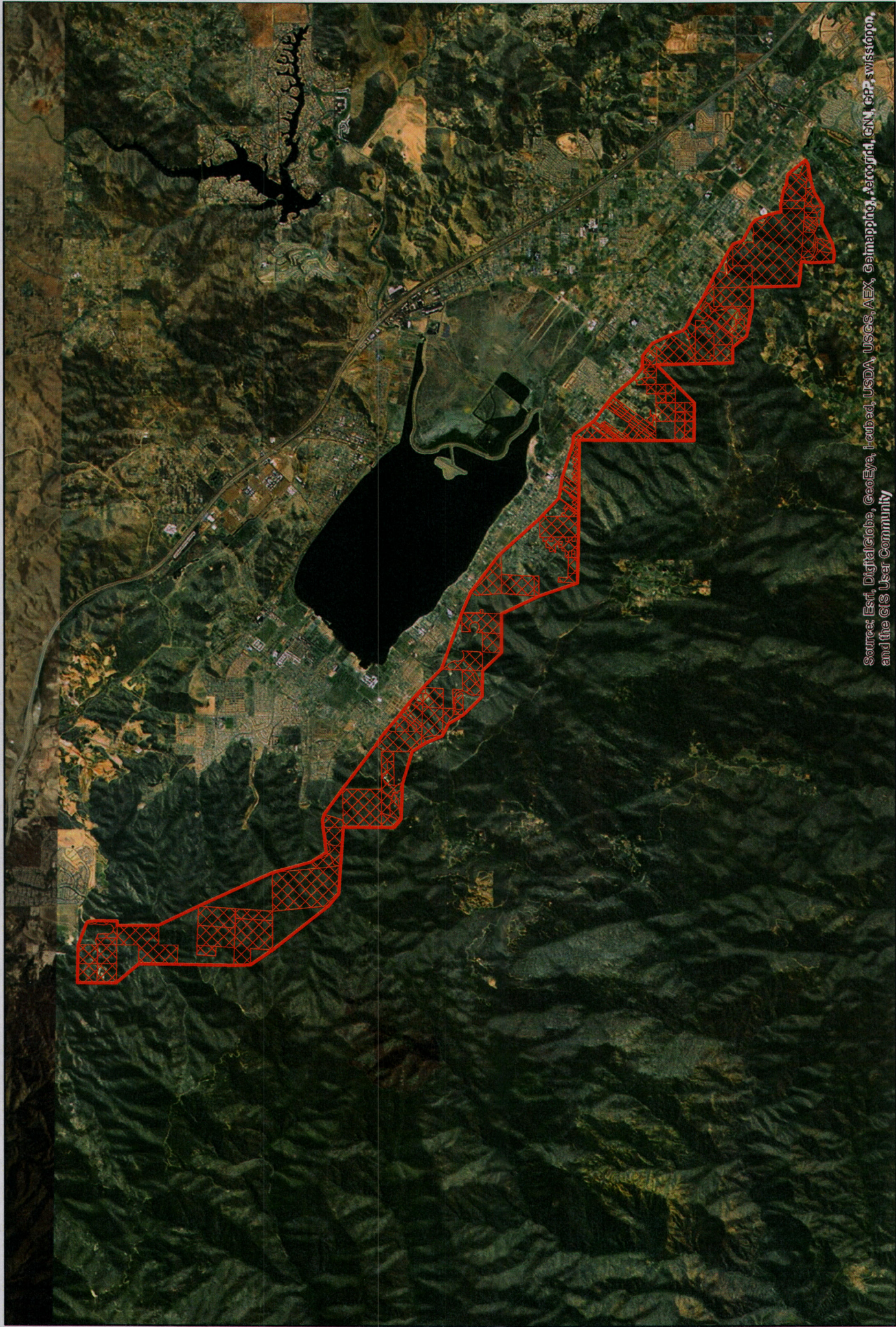
1. The project will reduce GHG emissions by reducing fire hazards near communities and infrastructure and improving health and resilience of treated areas for increased carbon storage and sequestration. Reducing the fire hazard of the Elsinore Front Country area will reduce the major wildland fire hazard risk that naturally exists in the area due to the steep terrain and Elsinore Effect and Santa Ana wind events that can cause a minor fire to quickly explode into an extremely dangerous event. Removing and reducing the amount of fuel in the area will reduce the likelihood of wildfire from places where fire is not tolerable on the landscape – communities, homes, infrastructure, and other highly valued resources, these objectives are achieved most directly through avoided wildfire emissions. Eliminating wildfire starts, catching smaller wildfires before they blow into wildland areas, facilitating firefighting efforts and safety, and increasing carbon storage and sequestration potential all contribute to reduced GHG emissions over time.
2. Per the mapping product provided in the grant applications instructions, the project is located adjacent to SB 535 Disadvantaged Communities, AB 1550 Low-income Communities, SB 535 Disadvantaged Communities and AB 1550 Low-income Communities within a 1/2 mile of a SB 535 Disadvantaged Community. The project will directly benefit these communities by reducing the risk of wildfire and GHG emissions resulting from wildfire.
3. Environmental: The environmental benefits the projects will have are reducing GHG release, increasing carbon storage and sequestrations, and reducing the fire hazard risk.  
Public health and safety: protect health and safety of local residents.  
Climate resiliency: The recent history of wildfires have proven to become more destructive, longer burning, and consume greater acreage. These projects will create shaded fuel breaks. So that when a fire does break in the area, firefighters can get a quicker handle on the situation and not allow fire to grow as large, burn as long, or release as much GHG.
4. There is a carbon storage and sequestration effort in brush immediately by reducing the amount of fire threat which will secure carbon in the remaining vegetation that is chipped and left on site. The vegetation removed will be used as an alternative fuel source in the cogeneration plant which are lower GHG emitters. Maintenance will be conducted through multi-agency effort to maintain project area through local fire safe councils and Cal Fire inmate crews.

**Project Budget**

Project Name: Elsinore Front Country Fuel Break



Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
<b>A. Salaries and Wages</b>											
	Average Administrative Hourly Rate	3120	Hours	\$ 36	0%	100%	0%	\$ -	\$ 113,272	\$ -	\$ 113,272
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	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 Salaries and Wages:							\$ -	\$ 113,272	\$ -	\$ 113,272
<b>B. Employee Benefits</b>											
	Average Administrative Benefits Rate	3120	Hours	\$ 16	0%	100%	0%	\$ -	\$ 50,972	\$ -	\$ 50,972
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	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:							\$ -	\$ 50,972	\$ -	\$ 50,972
<b>C. Contractual</b>											
	Registered Professional Forester	1287	Hours	\$ 69	100%	0%	0%	\$ 88,803	\$ -	\$ -	\$ 88,803
	Licensed Timber Operator	517	Acres	\$ 3,500	100%	0%	0%	\$ 1,809,500	\$ -	\$ -	\$ 1,809,500
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Acres	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Miles	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Sub-Total Contractual:							\$ 1,898,303	\$ -	\$ -	\$ 1,898,303
<b>D. Travel &amp; Per Diem:</b>											
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Sub-Total Travel & Per Diem:							\$ -	\$ -	\$ -	\$ -
<b>E. Supplies</b>											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Sub-Total Supplies:							\$ -	\$ -	\$ -	\$ -
<b>F. Equipment</b>											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Sub-Total Equipment:							\$ -	\$ -	\$ -	\$ -
<b>G. Other Costs</b>											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Sub-Total Other Costs							\$ -	\$ -	\$ -	\$ -
<b>Total Direct Costs</b>								\$ 1,898,303	\$ 164,244	\$ -	\$ 2,062,547
Indirect Costs (Exclude Equipment)								0%	\$ -	\$ -	\$ -
<b>Total Project Costs</b>								\$ 1,898,303	\$ 164,244	\$ -	\$ 2,062,547
Less Program Income								\$ -	\$ -	\$ -	\$ -
<b>Total Grant Proposed Costs</b>								\$ 1,898,303	\$ 164,244	\$ -	\$ 2,062,547





Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Geomatics, AeroGRID, IGN, GPR, Wisconsin, and the GIS User Community

**Legend**

-  Elsinore\_Front\_Country
-  Elsinore\_Front\_Country\_Perimeter

**Elsinore Front Country Fuel Break**  
**300 ft. Shaded Fuel Break**  
**14.2 Miles**

