


DEPARTMENT OF FORESTRY AND FIRE PROTECTION

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



July 27, 2022

Richard Sykes
 Upper Mokelumne River Watershed Authority
 15083 Camanche Parkway South
 Valley Springs, CA 95252

8GG21607; Upper Mokelumne River Watershed Authority, "Forest Projects Plan (Phase I)"

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 Ryan Wimmer at (916) 531-8996 if you have questions concerning services to be performed.

1. Full grant agreement including terms and conditions, project grant application form, scope of work, budget, map, and other exhibits enclosed. Please sign, scan, and return the agreement to Nadine Scarbrough at Nadine.Scarbrough@fire.ca.gov no later than **July 21, 2022**.

Alternatively, you may opt to print (single sided), sign in blue ink, and return the agreement with original signature to:
 CAL FIRE
 Attn: Grants Management Unit/CCI –Forest Health
 P.O. Box 944246
 Sacramento, CA 94244-2460

In order to expedite your agreement, a scanned/electronic copy of the agreement is preferred.

In addition, the following completed documents are required before we can execute your agreement:

- **Revised Board Resolution.**

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,

Nadine Scarbrough
 Grants Analyst
 Grants Management Unit

CC: Ryan Wimmer
 Julie Howard
 Tiffany Kelly

Enclosures

**State of California
Department of Forestry and Fire Protection (CAL FIRE)
Resource Management
GRANT AGREEMENT**

APPLICANT: Upper Mokelumne River Watershed Authority
PROJECT TITLE: Forest Projects Plan (Phase I)
GRANT AGREEMENT: 8GG21607

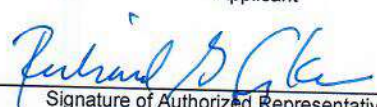
PROJECT PERFORMANCE PERIOD is from date of latter signature by CAL FIRE Deputy Director or Grantee through March 31, 2026.

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

PROJECT DESCRIPTION: The landscape-level fuels treatment project is within the Mokelumne watershed on the Amador Ranger District/Eldorado NF. The project lowers the risk, slows the spread and reduces the intensity of severe wildfires within treated and adjacent untreated areas through hand/mechanical fuels reduction treatment activities which can be implemented immediately, independent of mill capacity. The requested funds will help clear a minimum 10,000 acres through NEPA/CEQA process and implement treatments on a minimum 2,255 acres.

Total State Grant not to exceed \$ 4,999,967.50 (or project costs, whichever is less).

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


Upper Mokelumne River Watershed Authority
 Applicant
 By 
 Signature of Authorized Representative
 Title Executive Officer
 Date July 22, 2022

**STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY
AND FIRE PROTECTION**
 DocuSigned by:
 By 
 09C3EF839A7E418...
 Title: **Matthew Reischman**
Deputy Director, Resource Management
 Date 7/25/2022

CERTIFICATION OF FUNDING

GRANT AGREEMENT NUMBER 8GG21607	PO ID	SUPPLIER ID 54970
FUND 0001	FUND NAME General Fund	
PROJECT ID	ACTIVITY ID	AMOUNT OF ESTIMATE FUNDING \$ 4,999,967.50
GL UNIT 3540	BUD REF 1011	ADJ. INCREASING ENCUMBRANCE \$ 4,999,967.50
PROGRAM NUMBER 2470010	ENY 2021	ADJ. DECREASING ENCUMBRANCE \$ 0.00
ACCOUNT 5340580	ALT ACCOUNT 534058000	UNENCUMBERED BALANCE \$ 4,999,967.50
REPORTING STRUCTURE 35409503	SERVICE LOCATION 96188	

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


 38D0E1AC61EA48D
 Certification of CAL FIRE Accounting Officer

7/26/2022
 Date

GRANT NUMBER 8GG21607
Upper Mokelumne River Watershed Authority
Forest Projects Plan (Phase I)

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, Upper Mokelumne River Watershed Authority, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed four million, nine hundred ninety-nine thousand, nine hundred sixty-seven dollars and fifty cents (\$4,999,967.50).
3. In addition to the terms and conditions of this Agreement, the STATE and GRANTEE agree that the terms and conditions contained in the documents set forth below are hereby incorporated and made part of this agreement.
 - a. California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2021-2022.
 - b. The submitted Application, Scope of Work, Project Budget Workbook, GHG Emissions Workbook and Exhibits
 - c. ADDENDUM – FOREST HEALTH GRANT PROJECTS

II. SPECIAL PROVISIONS

1. Recipients of GRANT FUNDS pursuant to California Public Resources Code Section 4799.05 shall abide by the provisions in this Agreement. This includes the requirement that work shall not commence prior to the execution of this Agreement by both parties. Any work started prior to the execution of this Agreement will not be eligible for funding under the terms of this Agreement.
2. As precedent to the State's obligation to provide funding, GRANTEE shall provide to the STATE for review and approval a detailed budget, specifications, and project description. Approval by the STATE of such plans and specifications, or any other approvals provided for in this Agreement, shall be for scope and quality of work, and shall not relieve GRANTEE of the obligation to carry out any other obligations required by this Agreement, in accordance with applicable law or any other standards ordinarily applied to such work or activity.
3. All informational products (e.g., data, studies, findings, management plans, manuals, photos, etc.) relating to California's natural environment produced with the use of GRANT FUNDS shall be available for public use.

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Upper Mokelumne River Watershed Authority
Forest Projects Plan (Phase I)

III. GENERAL PROVISIONS

1. Definitions

- a. The term "Agreement" means grant agreement number 8GG21607.
- b. The term "GRANT FUNDS" means the money provided by the STATE to the GRANTEE in this Agreement.
- c. The term "GRANTEE" means an applicant who has a signed Agreement for the award for GRANT FUNDS.
- d. The term "Other Sources of Funds" means all matching fund sources that are required or used to complete the Project beyond the GRANT FUNDS provided by this Agreement.
- e. The term "STATE" means the State of California, Department of Forestry and Fire Protection (CAL FIRE).
- f. The term "Project" means the development or other activity described in the "Project Scope of Work".
- g. The term "Project Budget Detail" as used herein defines the approved budget plan.
- h. The term "Project Scope of Work" as used herein means the individual scope of work describing in detail the approved tasks.

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Forest Projects Plan (Phase I)

2. Project Representatives

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

STATE: CAL FIRE	GRANTEE: Upper Mokelumne River Watershed Authority
Section/Unit: HQ Resource Management/Climate and Energy Program	Section/Unit: N/A
Attention: Ryan Wimmer	Attention: Richard Sykes
Mailing Address: PO Box 944246 Sacramento, CA 94244-2460	Mailing Address: 15083 Camanche Parkway South Valley Springs, CA 95252
Phone Number: (916) 531-8996	Phone Number: (510) 390-4035 Secondary: (530) 903-0116
Email Address: Ryan.Wimmer@fire.ca.gov	Email Address: karenq@innercite.com

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

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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 latter date of signature by the Grantee Authorized Representative or CAL FIRE Deputy Director. GRANT FUNDS will be made available in advance of CEQA compliance for project activities that do not have the potential to cause a direct environmental impact (e.g. project planning, locating and marking property or project boundaries, contacting and signing up landowners, etc.).
- f. GRANTEE shall permit periodic site visits by representative(s) of the STATE to ensure program compliance and that work is in accordance with the approved Project Scope of Work, including a final inspection upon Project completion.
- g. GRANTEE, and the agents and employees of GRANTEE, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents, of the STATE. No person who, as an officer, employee, or agent of the state participated in the preparation or creation of or determination to award this Grant Agreement shall serve as an agent or employee of GRANTEE including but not limited to those acts prohibited by Government Code Sections 1090, and 87100.

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4. Project Costs and Payment Documentation

- a. Payment by the STATE shall be made after receipt of an acceptable invoice and approval by a duly authorized representative of the STATE. GRANTEE shall submit an invoice for payment to the CAL FIRE Project Representative of the STATE. A final invoice shall be submitted no later than 30 days after completion, expiration, or termination of this Agreement.
- b. For services satisfactorily rendered, and upon receipt and approval of invoices for payment, the STATE agrees to compensate GRANTEE for actual expenditures incurred in accordance with the rates specified herein, which is attached hereto, as Final Project Budget Detail, and made a part of this Agreement.
- c. Equipment purchased using GRANT FUNDS, wholly or in part, must be used by the GRANTEE for the project which it was acquired. STATE retains a vested interest in the equipment for the useful life of the equipment, even after completion of the grant. GRANTEE shall provide written disposition of the equipment upon completion of the grant and upon any changes to the disposition of the equipment. Such disposition must be approved in advance by STATE. Equipment purchased using GRANT FUNDS cannot be used as collateral, financed, or sold without prior written approval from the STATE.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and no less than quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, expenditures for the current invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), appropriate supporting documentation, project progress reports, and the signature of an authorized representative of GRANTEE as detailed in the Invoice Guidelines of the California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2020-2021.
- 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

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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 electronically to both the appropriate CAL FIRE Forest Health Forester and CNRGrants@fire.ca.gov. Hard copy submissions will not be accepted.
- i. Notwithstanding any of the provisions stated within this Agreement, the STATE may at its discretion make advance payment from the grant awarded to the GRANTEE if GRANTEE is a nonprofit organization, a local agency, a special district, a private forest landowner or a Native American tribe. Advance payment made by the STATE shall be subject to the following provisions.
 - GRANTEE shall submit a written request identifying how funds will be used over a six-month period. The written request must be accompanied by an invoice that contains the same level of detail as a regular invoice.
 - GRANTEE shall file an accountability report with STATE four months from the date of receiving the funds and every four months thereafter.
 - Multiple advance payments may be made to a GRANTEE over the life of a project.
 - No single advance payment shall exceed 25% of the total grant amount 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.

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- Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and used toward offsetting the project cost or returned to the STATE.

5. Budget Contingency Clause

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

6. Project Administration

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

7. Financial Records

- a. GRANTEE shall retain all records described in Section 7(c) below for three (3) years after final payment by the STATE. In the case an audit occurs, all such records shall be retained for one (1) year from the date is audit is completed or the three (3) years, whichever date is later.
- b. GRANTEE shall maintain satisfactory financial accounts, documents, and records for the Project and make them available to the STATE for review during reasonable times. This includes the right to inspect and make copies of any books, records, or reports of GRANTEE pertaining to this Agreement or matters related thereto.

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

8. Research

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

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

9. Project Termination

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

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10. Hold Harmless

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

11. Tort Claims

FEDERAL:

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

STATE:

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

12. Nondiscrimination

The State of California prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, sex, marital status,

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religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. GRANTEE shall not discriminate against any person on any of these bases.

13. Conflict of Interest

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

14. Incorporation

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

15. Severability

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

16. Waiver

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

17. Assignment

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

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Forest Projects Plan (Phase I)

ADDENDUM – FOREST HEALTH 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. 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.
3. Grantee shall maintain accurate and detailed records documenting project description, project location, and schedule, state dollars allocated, and leveraged funds throughout the duration of the project.
4. 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 Forest Health Grant projects 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 GHG emissions quantification methodology requirements.

III. PROGRAM ACKNOWLEDGEMENT/RECOGNITION

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

"Funding for this project provided by the California Department of Forestry and Fire Protection's Forest Health 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.



FOREST HEALTH PROGRAM 21-22 GRANT APPLICATION

Project ID	21-FH-AEU-046
Applying Organization	Upper Mokelumne River Watershed Authority
Project Title	Forest Projects Plan (Phase 1)

PROJECT INFORMATION

Brief Project Description

The landscape-level fuels treatment project is within the Mokelumne watershed on the Amador Ranger District/Eldorado NF. The project lowers the risk, slows the spread and reduces the intensity of severe wildfires within treated and adjacent untreated areas through hand/mechanical fuels reduction treatment activities which can be implemented immediately, independent of mill capacity. The requested funds will help clear a minimum 10,000 acres through NEPA/CEQA process and implement treatments on a minimum 2,255 acres.

County Amador	Project Latitude and Longitude 38.600459, -120.209607
Project Start Date (MM/DD/YYYY) 08/01/2022	Project End Date (MM/DD/YYYY) 03/31/2026
Grant Funding Requested \$4,999,992.70	Total Project Cost \$5,318,419.84

ORGANIZATION/PROJECT MANAGER INFORMATION

Organization Type Other	If other, please specify Joint Powers Authority/Public Agency	
If Non-Profit, is the organization a registered 501 (c)(3)?		
Title Executive Officer	First Name Richard	Last Name Sykes
Address 1 15083 Camanche Parkway South		
Address 2		
City Valley Springs	State California	Zip Code 95252
Phone Number 510-390-4035	Secondary Phone Number 530-903-0116	Email Address karenq@innercite.com

FOREST HEALTH TREATMENT TYPES & TREATMENT ACREAGE

Does the proposed project include fuels reduction activities? Yes	Acres of fuels reduction	
Does the project include prescribed fire? No	Acres of prescribed fire	
Does the project include pest management activities? No	Acres of pest management	
Does the project utilize biomass for fuel or forest products? No	Acres of biomass utilization	Tons of biomass utilized
Does the project include reforestation activities? No	Acres to be reforested	Trees planted



**FOREST HEALTH PROGRAM
21-22 GRANT APPLICATION**

Project ID	21-FH-AEU-046
Applying Organization	Upper Mokelumne River Watershed Authority
Project Title	Forest Projects Plan (Phase 1)

LAND OWNERSHIP	
How many acres of project area are under federal ownership? 3,000.00	How many acres of the project area are under state ownership? 0.00
How many acres of the project area are privately owned? 0.00	
Number of acres under other Ownership 0.00	Specify "other" ownership

SCOPE OF WORK AND FOREST HEALTH WORKBOOK	
Scope of Work True	
Forest Health Workbook: Project Budget, Treatment Tracking, Work Plan, & Environmental Compliance True	
Greenhouse Gas (GHG) Benefit Data True	
Uneven-aged Management: The project will practice uneven-aged management with diverse ages, sizes, and species. Yes	
Management Plan: The project will be done under an approved timber harvest plan (THP), non-industrial timber management plan (NTMP), or a working forest management plan. Yes	Specify Management Plan The FPP is consistent with the Eldorado National Forest Plan, as amended by the 2004 Sierra Nevada Forest Plan Amendment. The project would achieve concepts described in the more recent 2019 California Spotted Owl Conservation Strategy (Owl Strategy) by retaining high quality habitat from stand destroying wildfire. The FPP is consistent with the national-level, Wildfire Crisis Strategy by increasing pace and scale of fuel treatments within high-risk firesheds (e.g., Upper Mokelumne River watershed).
Existing Carbon Offset: The project area has an existing carbon offset project or other environmental credit project? No	Describe Offset Project



FOREST HEALTH PROGRAM 21-22 GRANT APPLICATION

Project ID	21-FH-AEU-046
Applying Organization	Upper Mokelumne River Watershed Authority
Project Title	Forest Projects Plan (Phase 1)

MATCHING SOURCES OF FUNDING	
Matching Source of Funding #1 Upper Mokelumne River Watershed Authority/Member Funds	Amount of Funding #1 \$27,560.00
Matching Source of Funding #2 Sierra Nevada Conservancy/RFFCP Early Action	Amount of Funding #2 \$200,000.00
Matching Source of Funding #3 Donate Indirect Fees	Amount of Funding #3 \$90,867.14
Other California Climate Investment Funding No	Other California Climate Investment Program Funding

PRIORITY LANDSCAPES	
Which high priority landscapes does the project area overlap?	
Reducing Wildfire Risks to Ecosystem Services True	Action #1: Reducing Wildfire Risks to Ecosystem Services Yes, all proposed treatment areas and some proposed planning areas overlap high priority areas for Reducing Wildfire Risks to Ecosystem Services.
Restoring Fire Damaged Areas True	Action #2: Restoring Fire Damaged Areas Yes, some proposed treatment areas overlap with Caldor Fire burned area and planning areas overlap high priority areas for Restoring Fire Damaged Areas.
Restoring Pest Damaged Areas True	Action #3: Restoring Pest Damaged Areas Yes, proposed treatment and planning areas overlap Tier 1 and Tier 2 high hazard zones that are identified as priority for Restoring Pest Damaged Areas.
Reducing Wildfire Threat to Communities True	Action #4: Reducing Wildfire Threat to Communities No, proposed treatment and planning areas do not overlap the highest priority areas for Reducing Wildfire Threat to Communities, but proposed treatment and planning areas do overlap moderate priority areas for Reducing Wildfire Threat to Communities.
The project does not overlap a priority area False	
Climate Refugia: If applicable, list the project treatment areas that remain buffered from the effects of climate change. Describe the source of climate refugia identification and how proposed treatments will enhance refugia characteristics. Not applicable.	



FOREST HEALTH PROGRAM 21-22 GRANT APPLICATION

Project ID	21-FH-AEU-046
Applying Organization	Upper Mokelumne River Watershed Authority
Project Title	Forest Projects Plan (Phase 1)

CO-BENEFITS			
<p>Co-benefits: To support CAL FIRE's reporting to CARB on CCI expenditures, briefly list the economic, environmental, and/or public health benefits the project will provide.</p> <p>Co-benefits include protection of legacy trees, at-risk mixed conifer, red fir/aspen stands/old forest attributes, safeguards for nearby high-risk communities, safe evacuation conditions, access for recreation and tourism.</p>			
Jobs Supported Yes	Full-time Jobs DIRECTLY Supported 4.0	Full-time Jobs INDIRECTLY Supported 1.6	Full-time INDUCED Jobs 2.1
CARB's Job Co-benefit Modeling Tool True			

DISADVANTAGED AND/OR LOW-INCOME COMMUNITY BENEFIT			
Step 1: Identify Priority Population(s)			
1A. Within disadvantaged census tract True	1B. Within low-income census tract True	1C. Within 1/2-mile of disadvantaged community AND within a low-income census tract True	1D. Within low-income household False
Does not meet qualifying criteria False			
Step 2: Address a Need			
2D. Alternative Approach - Refer to list in CARB's Funding Guidelines			
Describe identified community or household need(s) identified using the approach above. Many residents within the Mokelumne watershed have been hard hit by the collapse of the timber industry and closing of local sawmills and are considered disadvantaged and/or low income. This project advances CCI goals by fostering resilient communities and by making it possible to transition from the diminished resource extraction economy to one based on restoration and stewardship of the Sierra Nevada.			
Step 3: Provide a Benefit			
3C. Significantly reduces fire risk to households within one or more disadvantaged/low-income communities			
Describe the Benefit On August 15th, 2021 the Caldor Fire ignited just north of the proposed treatment areas in the disadvantaged community of Grizzly Flats burning over 220,000 acres. On September 9th, 2015 a rapidly moving wildfire known as the Butte Fire started in Amador County just a few miles from the project area burning 70,868 acres and thousands of homes. This project will work in conjunction with other projects to safeguard households within AB 1550 designated low-income communities.			



FOREST HEALTH PROGRAM 21-22 GRANT APPLICATION

Project ID	21-FH-AEU-046
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LOCAL & STATE COMPATIBILITY	
Identify which planning document that this project would support if implemented.	
Local CAL FIRE Unit Fire Plan True	Local Community Wildfire Protection Plan True
Safeguarding California Plan True	Strategic Fire Plan for California True
California Forest Carbon Plan True	CA Natural & Working Lands Implementation Plan True
California's Wildfire and Forest Resilience Action Plan True	Other True
Identify other plans not listed above.	
<p>The Sierra Nevada Forest Plan (2001) and Amendment (2004) establishes the goals, objectives and priorities for all thinning projects on National Forests within the Sierra Nevada Range and the Modoc Plateau. The plan is designed to improve protection of old forests, wildlife habitats including aspen stands, watersheds and communities.</p>	
Identify the contact(s) at the local CAL FIRE Unit(s) that has/have been briefed on this proposed project.	
<p>On 5/15/21 contacted Robin Bellows – CalFire Central Area Forester of Sacramento, California at (916) 224-5584 and Tom Tinsely Amador El Dorado Unit at (530) 647-5203. On 9/30/2021 received feedback from Ms. Bellows encouraged us to re-submit. Provided a general overview of the project and our strategic approach to NEPA/CEQA and implementation. Email Robin.Bellows@fire.ca.gov. On April 28, 2021, UMRWA presented the proposed project to the Amador Calaveras Consensus Group and requested a Letter of Support.</p>	
Is this project an identified regional priority?	
Yes	
Discuss relationship to these regional groups.	
<p>ACCG is the leader of the Cornerstone Collaborative Forest Landscape Restoration Program (CFLRP, see Letter of Support). The goal of the RFFCP is to increase regional capacity to prioritize, develop, and implement projects that improve forest health and fire resiliency. The Sierra Nevada Conservancy (SNC) was the recipient of a \$7.77 million 'Early Action' grant from the California Natural Resources Agency to advance the goal of the RFFCP in the Sierra Nevada Region. The Upper Mokelumne Watershed Authority is a subgrantee and activities under this Subgrant will help meet the deliverables included in SNC's RFFCP grant as follows:</p> <ol style="list-style-type: none"> 1. Identifying a suite of long-term stewardship projects – the Forest Project Plan. This can build the capacity of small and independent, rural businesses by giving them an incentive to make needed investments into equipment. This type of equipment will be needed permanently to achieve maintenance intervals. 2. Complete the design and permitting of priority 'stewardship' and 'service' projects which do not involve commercial sales and therefore can be implemented on a large-scale, across the landscape and are not tied to lumber mill capacity. Projects that implement techniques new to the area, highlight new technology or approaches, and could be scaled up. The proposed Forest Projects Plan presents an innovative approach to NEPA compliance and is designed to significantly increase the pace of NEPA for large-scale, landscape-level stewardship fuels treatments. The focus is on stewardship projects, which can be implemented immediately following an executed NEPA Decision Memo/CEQA Notice of Exemption and will avoid delays stemming from saturation of timber mills. 3. This project aims to build on the valuable experience of designing the Mapping Tool by adding much-needed NEPA/CEQA experience and capacity for UMRWA staff and the larger UMRWA team of resource specialists, the Forest Service and the ACCG. 	



FOREST HEALTH PROGRAM 21-22 GRANT APPLICATION

Project ID	21-FH-AEU-046
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Letter of support	True
Community Engagement	High

COLLABORATION/PARTNERSHIPS	
Primary project partner #1 Mr. Rick Hopson, Amador District Ranger, Eldorado National Forest and Acting District Ranger, Mr. Chuck Loffland. UMRWA worked closely with the District Ranger, FS Fuels Management Officer, Wildlife Biologist to identify priority treatment areas.	Role in project Amador Ranger District and the Eldorado National Forest will serve as NEPA Lead Agency and the land administrator of areas where the project is located.
Email rick.hopson@usda.gov	
Letters of commitment True	
Primary project partner #2	Role in project #2
Email #2	
Primary project partner #3	Role in project #3
Email #3	
Primary project partner #4	Role in project #4
Email #4	

ADMINISTRATIVE CAPACITY AND PAST FOREST MANAGEMENT HISTORY
Annual operating budget \$2,275,000.00
Statement of Qualifications True



FOREST HEALTH PROGRAM 21-22 GRANT APPLICATION

Project ID	21-FH-AEU-046
Applying Organization	Upper Mokelumne River Watershed Authority
Project Title	Forest Projects Plan (Phase 1)

ATTESTATION	
Full Name	Karen Quidachay
I do hereby attest and certify that the above and attached information is true and correct.	
True	
Executed on (MM/DD/YYYY)	03/04/2022

SUBMITTER VERIFICATION	
Submitter Email karenq@innercite.com	
Member	State Approved
Created 3/4/2022 10:25:44 AM	Updated 3/4/2022 10:25:44 AM

FOREST PROJECTS PLAN

SCOPE OF WORK

1. Project background and statement of need, including ecosystem and community benefits.

The Forest Projects Plan (FPP) is a landscape-scale forest health improvement project located within the upper Mokelumne River watershed on lands administered by the Eldorado National Forest, Amador Ranger District and the Stanislaus National Forest, Calaveras Ranger District in portions of Amador, Alpine, El Dorado, and Calaveras Counties. The FPP is divided into two phases: Phase 1 planning focuses on actions to reduce ladder fuels through hand and mechanical fuels reduction (e.g., mastication) treatments and other non-commercial forest management activities on the Amador Ranger District, while Phase 2 planning incorporates the Calaveras Ranger District into the project area and is a more comprehensive planning document. Phase 2 addresses a broad range of forest management actions including commercial thinning and will take up to three years to complete. This grant proposal seeks funding for a small portion of the Phase 1 NEPA/CEQA planning costs (i.e., archaeological field surveys) plus pre-implementation and implementation tasks on a minimum 2,255 acres and up to 3,000 acres.

The FPP is urgently needed to reduce ladder fuels, improve and protect ecological resilience, and prevent wildfire and resultant GHG emissions in the upper Mokelumne watershed. The project need is particularly pressing given the FPP treatment area is surrounded by lands subject to past large-scale fires including the Butte, Rim, Tamarack, and Caldor Fires (see Vicinity Map). UMRWA has developed the FPP Phase 1 project in collaboration with the Forest Service and the Amador Calaveras Consensus Group (ACCG), a federally recognized forest collaborative group comprised of diverse members. The majority of FPP Phase 1 NEPA and CEQA planning is currently being funded by two grants from the Sierra Nevada Conservancy. The funds requested through this CalFire grant will supplement NEPA clearance with archaeological field surveys and expand areas where mechanical fuels reduction (e.g., mastication) can occur. The maximum extent of FPP Phase 1 NEPA clearance will incorporate a minimum 10,000 acres or more for fuels treatments that can be implemented near-term and are independent of mill capacity.

This grant application seeks funding to complete the following tasks: 1) project management is limited to activities proposed under this grant application; 2) archaeological field surveys required to expand the areas proposed for NEPA and CEQA compliance for mechanical fuels reductions under Phase 1 of the FPP; 3) pre-implementation work including flagging unit boundaries, sensitive plant field surveys and monitoring, wildlife field surveys and monitoring (where needed); and, 4) implementation of hand thinning/mechanical fuels reduction and hand thinning aspen stands on a minimum 2,255 acres and up to 3,000 acres cleared through NEPA/CEQA in Phase 1 by 12/31/2022.

The areas proposed for fuels reduction in this grant application will tie into View 88 Forest Restoration treatments and Foster Firs Forest Restoration treatments forming a continuous fuel break adjacent to Highway 88. These areas are characterized by dense understory and overstocked forests susceptible to mortality from drought, pests, pathogens, and high severity wildfire. The FPP Phase 1 is designed to restore and protect at-risk mixed conifer and red fir stands with old forest attributes and enhance aspen stands through the removal of excess ladder fuels and small diameter trees and encroaching conifers, respectively. The fuels reduction implementation associated with this project will reduce wildfire risk, safeguard communities some of which are disadvantaged, protect water quality, quantity and reliability to >1.4 million downstream users, protect and enhance wildlife habitat, reduce the potential for uncontrolled air emissions and smoke health impacts, and provide opportunities to support the local forest stewardship economy.

2. How the project is consistent with the goals of the Forest Health Program and California's climate goals as outlined in the California Forest Carbon Plan, California's Natural and Working Lands Implementation Plan, and Global Warming Solutions Act of 2006.

The proposed project furthers the California Forest Carbon Plan Goal 3.1 to: *"Expand and Improve Forest Management to Enhance Forest Health and Resilience"* and sub-goal 3.1.1 to *"Improve Health and Resilience on Federal Forestlands."* Specifically, these goals state,

- *By 2020, increase treatments from the current approximately 250,000 acres per year to 500,000 acres per year on National Forest System Lands in California.*

FOREST PROJECTS PLAN

SCOPE OF WORK

- *Increase forest resilience through treatments including fuels reduction, managed and prescribed fire, noxious weed removal, road improvements to reduce sedimentation, resulting in resource benefits to approximately nine million acres on National Forest System Lands in California by 2030.*

The tasks funded by this proposed project will contribute to an increased number of acres of National Forest System land cleared for NEPA/CEQA by a minimum 10,000 acres and treat a minimum 2,255 acres with hand treatments/mechanical fuels reduction. The project utilizes well-established land management practices including hand thinning, mechanical fuels reduction, and aspen restoration all of which are outlined in the *California Natural and Working Lands Implementation Plan* and provide both ecosystem and community benefits. The proposed management practices are designed to reduce fire risk and restore forests to more adaptable conditions making them better able to withstand the pressures of climate change. By reducing wildfire risk and resulting sediment transport, the project will preserve critical hydrologic functions. The project will also restore key aspen habitat through removal of encroaching conifers, making the areas more resilient to wildfire and climate impacts and enhancing their conditions for the diversity of plant and animal species they support. Wildfires exacerbate GHG emissions and significantly contribute to climate change. This project is designed to reduce the risk, severity and rate of spread of fire which will lessen the potential for GHG emissions, aligning with the Global Warming Solutions Act (AB32) which aims to: "Maintain and continue reductions in emissions of GHG beyond 2020." Finally, this project promotes the Mokelumne Avoided Cost Analysis and Amador County's High Country Community Wildfire Protection Plan, and advances California's Shared Stewardship MOU with the Forest Service Region 5 and California's Wildfire and Forest Resilience Action Plan.

3. Proposed project activities as outlined in project Work Plan, expected project deliverables/milestones, and any permits or regulatory approvals needed to complete the project.

UMRWA is working closely with the Forest Service and ACCG to design Phase 1 project activities with well-established, mutually agreeable fuels treatments intended to reduce fuels and wildfire threat while simultaneously minimizing the time needed to get to implementation. Planning involves the NEPA/CEQA processes and must be completed prior to fuels treatment implementation. UMRWA began the NEPA/CEQA planning processes in June 2020 using Sierra Nevada Conservancy (SNC) grant funds and UMRWA cash contributions. To date, UMRWA's ID Team has established the FPP goal statement and drafted the Phase 1 proposed action and purpose and need, conducted the GIS analyses, and developed the project treatment maps using the secured funds. UMRWA is currently working with the Forest Service to refine these documents and initiate scoping in mid-April, with the goal to achieve NEPA/CEQA by December 31, 2022. The ID Team Leadership/project management necessary to complete NEPA/CEQA is funded by the already secured SNC grants and UMRWA. The exact NEPA strategy used will be decided by the Forest Service, however, UMRWA anticipates planning to fall under a NEPA Categorical Exclusion (CE)/Decision Memo (DM) (36 CFR § 220.6) and CEQA compliance under a statutory exemption (PRC Section 4799.05(d)).

Of the total acres cleared through NEPA/CEQA in Phase 1, a 2,255-acre portion will be treated through funding provided by this grant to reduce fuel loads using the requested CalFire grant funds. This grant proposal seeks funding to conduct the project management and necessary field surveys (archeological, wildlife, and botany), unit boundary flagging, and monitoring required for implementation, and for the implementation of forest fuels reduction treatments. Milestones will include completion of approximately 300 acres of archeological field surveys in areas set aside for mechanical fuels reduction (e.g., mastication) scheduled by 9/2022, signed NEPA Decision Memo (DM) and CEQA Exemption scheduled by 12/31/2022, contractor Request for Proposal(s) scheduled by 3/2023, and fuels reduction implementation by 12/2025. Deliverables will include: grant reports, archeological field survey report, pre-implementation field survey reports (e.g., sensitive plant surveys), flagging unit boundaries, contractor RFP(s), and a minimum of 2,255 acres treated for fuels reduction.

4. A description of how the project will utilize a diverse mix of management actions that follow industry standards, are appropriate activities for the project landscape, and how they combine or connect to promote forest health at a landscape scale.

FOREST PROJECTS PLAN

SCOPE OF WORK

UMRWA formulated the FPP project using the GIS database known as the Mapping Tool, which was developed by the ACCG's Strategic Landscape Assessment Work Group (SLAWG) with funding from SNC and support from UMRWA. The Mapping Tool utilizes the wildfire risk assessment framework outlined in GTR-315 (Scott et al., 2013), identifies the region's high-valued assets and resources most vulnerable to predicted future wildfire, employs the ACCG's project inventory database, and calls upon best available science. UMRWA combined information from the Mapping Tool database with areas in proximity to the WUI within the upper Mokelumne watershed, to establish the FPP's draft large-scale project area (see Project Planning Area Map). The final project boundary and treatment areas will be determined as part of the ongoing NEPA/CEQA planning process scheduled to be completed by 12/31/2022. The FPP's proposed treatment areas identified in *this* grant application emerged as high priority for stewardship and fuels treatments based upon the GIS Mapping Tool.

A diversity of treatment activities is being planned for and will be implemented within the entire landscape-scale FPP project area including hand thinning and mechanical fuels reduction of brush and small diameter trees generally up to 10" dbh and hand thinning ladder fuels and removal of encroaching conifers from aspen stands. Pruning of residual trees to raise canopy base height to live crown may occur and imminent hazard trees may be removed to facilitate operations within any of the treatment activities. Implementation of the balance of the NEPA/CEQA-cleared lands is expected to be conducted by combination of the Forest Service, UMRWA and other Forest Service partners in the future using as-yet secured funding. The proposed project treatments are widely-accepted, effective stewardship-type actions, appropriate for the removal of excess ladder fuels throughout timber stands, roadsides, and fuel breaks, and the removal of encroaching conifers from aspen stands. The archaeological field surveys and pre-implementation and implementation activities proposed in this grant proposal will advance a landscape-scale approach to fuels reduction and connect treated areas, or be in close proximity, to the Forest Service's other recent efforts such as its View 88 fuel break, Foster Firs EA, Panther Ridge Forest Restoration EA, Power Fire Pre-Commercial Thinning EIS, and Scottiagio Forest Health Project EA.

References: Scott, J. H.; Thompson, M. P.; Calkin, D. E. 2013. A wildfire risk assessment framework for land and resource management. Gen. Tech. Rep. RMRS-GTR-315. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 83 p.

5. If the project includes planning, outreach or education, an explanation of how those proposed activities will result in GHG emissions reductions or improve management actions or policy.

The proposed NEPA/CEQA planning that is part of this project is designed to improve forest resilience and reduce wildfire threat. The primary and over-arching goal of the FPP is to complete on-the-ground fuels treatments as quickly as possible, on as much ground as possible thereby reducing the threat of large-scale wildfire and resulting mass GHG emissions. In December 2020, NASA reported that *"To put the carbon dioxide emissions from wildfires into perspective, September 2020 data from the Global Fire Emissions Database show that California wildfires in 2020 generated more than 91 million metric tons of carbon dioxide. That's roughly 30 million metric tons more carbon dioxide emissions than the state emits annually from power production. ([The Climate Connections of a Record Fire Year in the U.S. West – Climate Change: Vital Signs of the Planet \(nasa.gov\)](https://www.nasa.gov/content/2020/09/2020-climate-change-vital-signs-of-the-planet/))." In addition to reducing the potential for GHG emissions, this project may serve as a model for how to improve management of National Forest System lands through collaborative, third-party NEPA/CEQA planning and forest management implementation to overcome agency staffing and funding constraints. This model may be replicated in other regions to help the State achieve its carbon and forest stewardship goals and objectives.*

6. An explanation of how multiple, experienced partners representing all key stakeholders will collaborate throughout the project, including: planning, funding, implementation, and monitoring.

The UMRWA is the regional water management group for the MAC (Mokelumne-Amador-Calaveras) region, and is a Joint Powers Authority comprised of six water agencies including Amador Water Agency, Calaveras County Water District, Calaveras Public Utility District, East Bay Municipal Utility District, Jackson Valley Irrigation District and Alpine County Water Agency and three counties including Alpine, Amador and Calaveras Counties. UMRWA is governed by an eight-member Board of Directors

FOREST PROJECTS PLAN

SCOPE OF WORK

and is supported by a part time Executive Officer and a number of part time contractors. NEPA/CEQA planning for the FPP is well underway, with UMRWA's contracted ID Team leading the effort in collaboration with the Forest Service and the ACCG using SNC funding and UMRWA contributions. The UMRWA ID Team, Forest Service and ACCG have met regularly since mid-2020 and will continue to do so throughout the NEPA planning process to refine the proposed activities, identify treatment areas and resolve concerns, with the ultimate goal of achieving ACCG consensus support and NEPA/CEQA clearance for fuels reduction on as many acres as possible, as quickly as possible. UMRWA has a strong working relationship with the Forest Service and holds a Master Stewardship Agreement (MSA) signed May 18, 2016 and Specific Project Agreements (SPAs) with both the Eldorado and Stanislaus National Forests. UMRWA anticipates continued collaboration with the Forest Service and the ACCG to complete implementation of the FPP beyond this grant proposal which will include grant-writing, fuels reduction implementation and monitoring. UMRWA intends to subsequently work with the Forest Service and the ACCG to complete Phase 2 planning and implement additional forest management actions, such as commercial thinning, within the Mokelumne River watershed.

7. The extent to which the project will deliver enduring, sustainable benefits. Considerations may include co-benefits such as habitat value and invasive species control. Plans for long-term maintenance of these benefits including the responsible parties, funding, and partner assistance.

This project will provide enduring benefits by reducing wildfire risk and increasing climate resilience through the planning for and implementation of surface and ladder fuels reduction, and removal of encroaching conifers within aspen stands which may moderate wildfire behavior and function as natural fuel breaks. The FPP project will protect and enhance three target ecosystems that provide essential components of wildlife habitat: late seral/old forest, aspen and aquatic ecosystems. Community wildfire protection will be strengthened as a result of this project, benefiting multiple disadvantaged communities. In addition, this project will protect and potentially improve hydrologic function through conifer thinning and decreased inter-tree competition for resources which may allow for increased growth rate of residual trees and concentration of carbon in trees (not surface fuels). Lastly, implementation of fuels reduction treatments will provide local economic benefit through opportunities for contracting and vending.

This project is proposed by UMRWA, and supported by the Eldorado and Stanislaus National Forests, the ACCG (in concept), and the SNC. UMRWA's role in this project is facilitated by its MSA with the Forest Service which represents a long-term commitment of UMRWA and the Forest Service to sustainable forest management practices. The Forest Service is responsible for long-term maintenance of its lands and will help to sustain the proposed project's benefits. Additional support to maintain project benefits will be provided by UMRWA through securing future funding and conducting planning and implementation, and potentially others such as ACCG members or other Forest Service partners.

8. Proposed measures to avoid adverse impacts to soil health and fish, wildlife and native plant resources in project design and development. Within 6 months of executing the grant agreement, the Grantee will be required to submit a plan for identifying and mitigating the risk of introducing exotic and/or invasive species. This includes identifying potential issues in the project area, prevention practices to be implemented, monitoring and mitigation. Activities to mitigate existing invasive species may be specified in the budget.

The anticipated NEPA Decision Memo and NEPA Project Record Reports will incorporate a thorough and detailed list of Design Criteria and environmental protection measures to avoid adverse impacts to biological organisms and historic resources. These environmental protection measures are carefully worded and discussed as part of the entire NEPA process. The Forest Service has adopted a number of Best Management Practices and protection measures to avoid the spread of noxious weeds which are expected to be included as part of the Decision Criteria (USDA 2013). The NEPA DM's Design Criteria and environmental protection measures will be incorporated into the project's treatment specifications as part of any contract issued for fuels reduction implementation and monitored for compliance during operations.

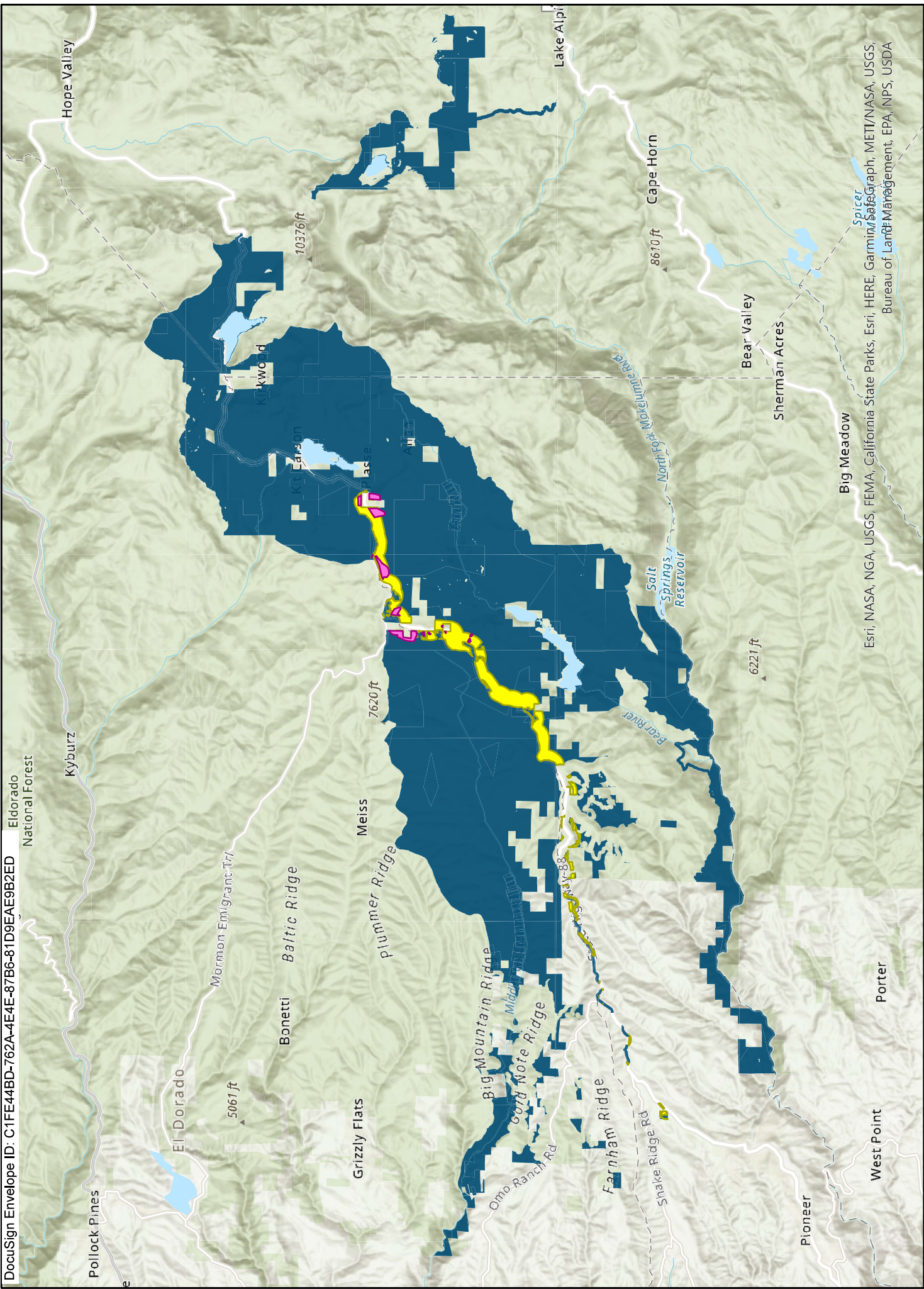


CAL FIRE Forest Health Program California Climate Investments Budget Sheet



21-FH-AEU-046

Budget Item	Description	Units (if applicable)	Rate (if applicable)	CAL FIRE Grant Share	Program Income	Grantee Match	Total
A. Salaries and Wages							
<i>(Job title/Classification/Role)</i>		<i>(# hours)</i>	<i>(\$/hour)</i>	\$	-	\$	
Executive Officer		240	170			\$ 79,200.00	\$ 79,200.00
Administrative Officer		240	160			\$ 40,800.00	\$ 40,800.00
						\$ 38,400.00	\$ 38,400.00
							\$ -
B. Employee Benefits							
<i>(Job title/Classification/Role)</i>		<i>(# hours)</i>	<i>(\$/hour)</i>	\$	-	\$	
							\$ -
C. Contractual							
<i>(Role in project)</i>		<i>(e.g., # hours, # acres, # BDT)</i>	<i>(e.g., \$/hour, \$/acre, \$/BDT)</i>	\$		\$	
Project Management	hour	2200	\$149.82	\$4,545,425	\$ -	\$210,000	\$4,755,425
Fuels Reduction				\$329,600		\$200,000	\$529,600
Implementation	acre	2255	\$ 1,676.67	\$ 3,780,900.00			\$ 3,780,900.00
Environmental compliance & planning	hour	2899.5	\$150	\$434,925		\$ 10,000.00	\$444,925
							\$ -
D. Travel							
		<i>(e.g., # miles)</i>	<i>(e.g., \$/miles)</i>	\$	-	\$	
							\$ -
E. Supplies							
				\$0	\$ -	\$ -	\$0
							\$0
F. Equipment							
				\$ -	\$ -	\$ -	\$ -
							\$ -
G. Other							
				\$ -	\$ -	\$ -	\$ -
							\$ -
TOTAL DIRECT COSTS				\$ 4,545,425.00	\$ -	\$ 289,200.00	\$ 4,834,625.00
INDIRECT COSTS (UMRWA will take 10% in Indirect Fees. Remaining 2% donated to project as Match)		12% max for CAL FIRE Grant Share and Program Income, excluding equipment		\$ 454,542.50		\$ 90,908.50	\$ 545,451.00
TOTAL GRANT PROPOSED COSTS				\$ 4,999,967.50	\$ -	\$ 380,108.50	\$ 5,380,076.00



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CAL FIRE Forest Health Grant Application: UMRWA Forest Projects Plan (21-FH-AEU-046)
Planning & Treatment Area Map

- Planning Area
- Hand Thinning/Mechanical Fuels Reduction
- Hand Thinning (Aspen Stands)

0 2 4 8 Miles



Pollock Pines, Hope Valley, Bear Valley, Sherman Acres, Big Meadow, West Point, Porter, Farnham Ridge, Shake Ridge Rd, Omo Ranch Rd, Middle Note Ridge, Gold Note Ridge, Big Mountain Ridge, Plummer Ridge, Meiss, Bonetti, Baltic Ridge, Mormon Emigrant Trl, El Dorado, 5061 ft, 7620 ft, 8610 ft, 10376 ft, Salt Springs Reservoir, North Fork Mokelumne River, Cape Horn, Lake Alpi, Spicer, Esri, NASA, NGA, USGS, FEMA, California State Parks, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA