CALAVERAS COUNTY RESOURCE CONSERVATION DISTRICT

PO Box 1041
423 E. St Charles St
San Andreas, CA 95249
info@CalaverasRCD.org

REQUEST FOR PROPOSAL (RFP)

FOR FUELS REDUCTION SERVICES

CONTRACTED SERVICES TO

CALAVERAS COUNTY RESOURCE CONSERVATION DISTRICT (CCRCD) TO ACCOMPLISH TASKS OF THE

Project Name: **Mokelumne Hill Fuel Reduction**

Grant: 5GG21172

FOR INFORMATION ABOUT THE PROJECT	Name: Dan Liechty, Project Manager Email: dliechty@calaverasrcd.org, proposals@calaverasrcd.org Phone: (209) 840-1683
RFP RELEASE DATE	October 27th, 2025
PRE-BID TOUR	The Pre-Bid Tour is optional; however, bidders are strongly encouraged to attend and are awarded points in the scoring process. The tour will take place on **Thursday November 6th at 9am**. **Contact Erin Livernois at elivernois@calaverasrcd.org to RSVP for the tour**. Meeting location is the Chinatown Gardens in Mokelumne Hill, CA (38°18'07"N 120°42'15"W). This location is noted on the project map included in this package. This RFP package includes _2_ attachments. The CC-RCD Fire Plan and the project map. Questions received by the Project Manager before November 10th, 2025 will be answered and distributed to all bidders by email after 5:00 p.m. on November 10th, 2025**.**
RFP CLOSING DATE	Proposals must be submitted electronically to the dedicated CCRCD proposals email @ proposals@calaverasrcd.org by **5 pm, November 14th, 2025.**
CONTRACTOR SELECTION	Project Contractor(s) will be selected no later than December 12th, 2025**. All bidders will be notified by email of Contractor selection.**
PROJECT COMMENCEMENT DATE	As soon as possible upon execution of the Contract
PROJECT COMPLETION DATE	**February 20th, 2026**

PROJECT OVERVIEW

The Calaveras County Resource Conservation District (CCRCD) has received funding from -
CALFIRE, Wildfire Prevention Grant Program (GRANTOR).

The Project Description:

The Calaveras County Resource Conservation District (CC-RCD) was awarded a grant from CALFIRE to complete the Mokelumne Hill Fuels Reduction Project. This 370 acre project was designed to reduce fuels within the canyon between the Mokelumne River and the town of Mokelumne Hill. The majority of acres from the project have been treated mechanically within the total project area.

The second phase of treatment consists of a 24 acres area that will be treated through handwork/chipping. Mastication is not feasible in these areas due to slope and grant limitations. See attached map for treatment boundaries.

I. ACTIVITIES AND TIMELINE

Activity	Date
Release of RFP	October 27th, 2025
Pre-Bid Tour	November 6th, 2025 @ 9am
Deadline for RFP responses	**November 14th, 2025**
Review Committee evaluates proposals	November 17th-21st
Contract Award by Committee	December 11th
Notice of contract award	December 12th
Contract executed	As soon as possible after notice of contract award
Project start date	As soon as possible after contract execution

II. GRANT BACKGROUND & RESPONSIBILITIES

GRANTOR: The project is funded by CALFIRE Grant Award 5GG21172. Grantor may conduct inspections of the project area periodically upon invoice submittals. Invoice submittals and expected payments to contractor dependent upon Grantor guidelines and procedures. Lag time between invoice submittal and payment is dependent upon grantor.

Please note, pre-treatment acreages are estimated based on GIS; final determination of treated acres will be made by Grantor based on actual on-the-ground measurements during certification inspections. Contractor is encouraged to conduct the inspections with Grantor. Payments will only be made on actual acres treated. Invoices can be submitted as needed, but no more frequently than every two weeks. Contractor's invoices will be paid upon the CCRCD's receipt of the funds from Grantor. CCRCD will not be responsible for delays in receiving funds from Grantor.

GRANT POOL: CALFIRE Wildfire Prevention Grant Program

GRANTEE: CCRCD. The CCRCD submitted this grant to GRANTOR and was awarded this grant. As the grantee, CCRCD is responsible for financial management and reporting requirements as specified in the executed contract with the grantor. CCRCD is the only entity authorized to enter into or terminate this contract, modify any term or condition of this contract, waive any requirement of this contract, or accept nonconforming work. CCRCD has assigned Dan Liechty as Project Manager and additional staff/contractors for on-site technical monitoring of the Contractor's performance and deliverables. CCRCD will execute the contract with the selected contractor. CCRCD will submit contractor invoices to Grantor for payment and in turn process payment to the contractor.

PROJECT MANAGER. The Project Manager is an employee with the CCRCD and will serve as the lead contact for the Project, including relations with the contractor(s), Registered Professional Forester (RPF), landowners, the CCRCD, and additional staff

III. PROJECT GOALS & OBJECTIVES

The primary goals of this Project include:

To prevent catastrophic wildfire by reducing the threat to life, property and natural resources within the proposed project area. The Mokelumne Hill Fuel Reduction project was specifically designed to protect the community of Mokelumne Hill and the Mokelumne River watershed.

The primary objectives of this Project include:

The project will reduce hazardous fuel loading in a strategic location and give fire fighters a safe place to construct a control line. The reduced fuel loading will minimize fire behavior adjacent to constructed control lines. The proposed fuel break will protect habitable structures in Mokelumne Hill and ingress/egress along Highway 49.

IV. DESCRIPTION OF PROJECT AREAS

Project Areas (Acres):

Terrain: Mountainous

Elevation Range: 670'-1500'

Habitat Types: It is predominately chaparral, but ponderosa pine, oaks and a variety of shrubs are found throughout the area.

The overstory consists of: Ponderosa pine, foothill gray pine, incense cedar, black oak, live oak. Both standing live and dead are present.

The understory consists of: buck brush, toyon, manzanita, chemise, poison oak, yerba santa, golden rod, deer brush, and logs/carcasses of fallen trees.

Infrastructure Present: Some parcel owners in the project area have already treated fuels in isolated spots on their parcels. Where those treatments extend outside the 100-foot defensible space, additional treatments may be conducted as part of this project to increase the effectiveness. There is a lightly maintained access road throughout the project area that can be utilized for access & equipment staging.

Hazards:

Waterlines, wells, archeological sites, electrical lines (underground and overhead), survey markers, historic mines

Avoidance Areas:

Will be flagged to the best of the RCD and RPF staff ability. We ask the contractor to be vigilant during treatment and inform us if any unflagged resources are discovered. There is a 75-ft buffer along the nearby watercourse. No vegetation, masticated vegetation or chips will be allowed to enter this exclusionary zone.

A. Watercourses/ Riparian Zones--will be flagged as necessary
B. Botanical Resources--will be flagged as necessary
C. Biological Resources--will be flagged as necessary
D. Cultural Resources--will be flagged as necessary
E. Human Habitation/ Infrastructure--will be flagged as necessary

Project Access**:**

Dirt road runs along uphill side of the treatment areas. Potential access for smaller equipment (ie. track chipper) near the Chinatown Gardens in Mokelumne Hill.

Existing conditions to be considered:

N/A

V. PRESCRIPTION

All fuels reduction on this project will be done by chipping or other processes that will accomplish similar results.

All brush will be treated, unless flagged for retention, and the chips evenly scattered.

All trees 12" DBH or less will be felled, unless flagged for retention. All material 8" in dia. or less will be chipped and the chips evenly scattered. All material more than 8" in dia. will be bucked, to be in contact with the ground and left on-site. Stump height will be less than 6 inches.

All snags will be felled regardless of size. All material 8"in dia. or less will be chipped and the chips evenly scattered. All material more than 8" will be bucked, so as to be in contact with the ground and left on-site. All retention snags will be flagged.

All woody ground fuels will be chipped up to 8" in dia. All material more than 8" will be bucked, so as to be in contact with the ground and left on-site. This includes slash, logs, and debris from the Butte Fire.

There will be areas in this project where smaller trees or brush will be retained for wildlife habitat. The target spacing in these areas for residual vegetation will be approximately 30 feet by 30 feet. There will be a discussion between CCRCD and the selected Contractor prior to operation.

Priority residual vegetation will be ponderosa pine, black oak, and old growth manzanita.

Residual trees will be pruned flush with the bole to a height of 10 feet. The pruned limbs will be chipped.

VI. PROJECT PROVISIONS AND RESTRICTIONS

- All debris on public roads or on any private driveway needs to be removed. All paved roads, which includes public roads, and private driveways, must be swept or blown at the end of each workday.
- Landscape vegetation and buffer areas between properties may be retained depending on landowner preferences. Such retention designation will be noted with the use of plastic flagging
- Avoid disturbing any refuse or debris that may be piled by landowners.
- Grasses and other low annuals will not be treated.
- Bear clover will not be treated.
- Hazards within the project area include barbed wire fences, dogs, poison oak, powerlines, vehicles. waterlines, wells, archeological sites, electrical lines (underground and overhead), survey markers, historic mines

- Cultural areas will be flagged prior to operations where possible

- Snags to be saved will be flagged.

- Wood- rate nests to be saved will be flagged.

- Any watercourses project will be avoided. All operations will occur outside the exclusion boundary, or beyond 75 feet of the edge of the watercourse, whichever is greater.

- All cut and chipped material will be kept within the unit boundaries. Any cut vegetation falling into ditches, roads, road banks, trails or adjacent properties should immediately be removed.

- Equipment shall be cleaned before entering the Project are to prevent spread of noxious weeds and pathogens. Equipment should be free of leaks, in good operating condition, and have spark arrestors or turbochargers to prevent fires.

- No direct mobilization or transportation costs will be covered.

EQUIPMENT CAPABILITY/LIMITATIONS

- The final alignment of the fuelbreak will be modified, as needed to achieve the greatest possible width of treatment. This alignment will be by agreement with the Contractor

- Equipment must not operate under saturated soil conditions when compaction or rutting is likely, and traction is compromised. Any ruts > 6" deep running downslope will not be allowed to remain

IDENTIFICATION OF PROTECTED SPECIES OR OTHER CRITICAL RESOURCES

- With all environmentally sensitive areas, identification and avoidance during project implementation is important. Trees with active nests will be avoided/retained. If any sensitive resources are located during project implementation, the area shall be avoided pending consultation with the Registered Professional Forester.

GENERAL PROVISIONS

- All material cut by hand must be chipped.

- Fences dropped by contractor must be put back up prior to commencing work in another area.

- All damage to public or private property or facilities caused by the contractor will be repaired by the contractor at their own expense.

- No survey monuments can be impacted by operations.

- No prevailing wage requirements are in effect on this project.

- No Traffic Control Plan is required, but contractor must address traffic control when working next to public or private roads.

- Payments will be made on actual acres treated as measured by the CCRCD. Invoices can be submitted as needed, but no more frequently than every two weeks.

- Startup of operations: The work start date is negotiable with CCRCD, but CCRCD would like to begin and finish the project as quickly as possible. Proposals should address the anticipated start and completion dates. The project termination date is February 20th, 2026.

WINTER OPERATIONS

No equipment operations will occur during periods of saturated soils. During and after periods of significant rainfall, the conduct of operations will be discussed with the RPF and contractor as needed.

EROSION CONTROL

Chipped material will generally cover most of the operating area. No additional erosion control measures are anticipated.

FIRE PROTECTION

Declared Fire Season: Work may be conducted both within and outside of declared Fire Season. Contractor must always have fire tools available, even outside of fire season. Additional specific requirements are outlined in the CC-RCD Fire Plan. All Forest Practice Rules and Public Resources Code provisions for fire prevention will be strictly followed.

CC-RCD Fire Plan: Additional provisions for fire prevention and suppression are outlined in the CCRCD Fire Plan.

PROTECTION OF IMPROVEMENTS AND FACILITIES

Paved Roads: All debris on the road, including any vegetation, rocks, dirt or other material generated by this operation will be removed from the roads and drainage structures. This includes all public and private paved roads, and all paved driveways. All roadside drainage structures (ditches, culverts, drop inlets, etc.). must be cleaned of debris prior to any forecasted rain.

Culverts and Roadside Drainage Facilities: Keep all debris out of culvert inlets and outlets, keep roadside ditches clear of chips.

Utility Lines (above ground): Watch for power poles. Do not blow chips against power poles.

Utility Lines (below ground): Watch for cable/phone splice boxes (light green boxes). Do not disturb these or blow chips against them.

Homes and Structures: Avoid throwing materials towards homes.

Septic Facilities (tanks/leach lines): Watch for septic lines around homes. Avoid these areas. The homes within the project area will have septic lines flagged by the RPF.

WORK SCHEDULE

Timing: Work to start ASAP. All work must be completed by February 28th, 2026.

Work Hours: Hours of operation will be limited to 7:00 am to 6:00 pm. Additional hours may be agreed to in areas away from residences. If Saturday work is planned, the neighbors must be contacted prior to scheduling Saturday work. No work on any holiday.

PUBLIC SAFETY

Traffic Control: Traffic control will be required to warn vehicles of active fuels treatment operations. All traffic control and signs will be the responsibility of the Contractor and shall conform to Calaveras County requirements.

Other Public Safety: Operations will be conducted close to roads and homes. Keep all public away from operations. Be mindful of property owners, pedestrian and bicycle traffic also.

REQUIRED DOCUMENTS / NOTIFICATIONS

CEQA Documents: CEQA is approved.

VII. BID EVALUATION CRITERIA & SCORING

The contract award will be issued to the Contractor based on best value, not necessarily based on strictly the lowest bid. One award will be made to the qualified proposer whose proposal will be the most advantageous to the CCRCD, with price and all other factors considered. The proposer is cautioned that it is the proposer's sole responsibility to submit information related to the evaluation categories and the CCRCD is under no obligation to solicit such information if it is not included with the proposal. Failure of the individual or firm to submit such information may cause an adverse impact on the evaluation of the proposal. A Selection Committee shall be responsible for performing the evaluations of each proposal based on the following criteria:

1	Completeness of Proposal	Pass/Fail
2	Required Insurance/Licenses	Pass/Fail
3	Qualifications & Experience & Workability	30 points
4	Approach/Strategy	30 points
5	Cost	30 points
6	Attendance of Pre-Bid Tour	5 points
7	Local Benefit	5 points
	Total	100 points

Pass/Fail Line Items: Items in rows 1 - 2 above must receive a "pass" score to be considered for contract award.

Completeness of Proposal: Bid must adequately describe all items listed in rows 3-7 above.

Insurance:

1. **Workers Compensation Coverage –** Worker's Compensation Insurance and Employer's Liability Insurance for employees in accordance with the laws of the State of California (including requiring any authorized subcontractor to obtain such insurance for its employees).
2. **General Liability Coverage –** Commercial general liability insurance with a minimum liability limit not less than $2,000,000 for personal injury and property damages per occurrence)
3. **Automobile Liability Insurance –** with a minimum limit of liability per occurrence of $1,000,000 for bodily injury and $100,000 for property damage. This insurance shall cover all vehicles including hired cars, owned and non-owned vehicles
4. Contractors are encouraged to purchase 'Broad Form B' insurance.

Selected Contractor(s) shall add CCRCD to said insurance policies named as "additionally insured" and provide CCRCD with proof of insurance certificates for all insurance policies prior to implementation of the contract and throughout the full duration of the Agreement.

Qualifications & Experience:

Please Provide:

- Contractor name
- Proof of current California Contractor License (CA C61/D49) or Licensed Timber Operator (LTO-A)
- Insurance Policies: See Section Above
- A short description of each piece of machinery including fire suppression equipment, that will be dedicated to this project (don't describe machinery that won't be working this project).
- The names/years of experience of each operator.
- Include the name and experience of the Contractor's representative who will be on-site managing the project daily.
- Provide a minimum of three references with at least one being within the last 18 months.

Fire Plan: Describe ability to meet the provided CCRCD Fire Plan requirements.

Approach:

- Describe the strategy and sequence of operations for treatment units.
- Treatment on steep slopes (over 40% grade) will depend on contractor's ability to treat and maintain safety standards. How these steep slopes are to be treated needs to be addressed in the bid.
- Focus on the use of equipment and operator expertise in all areas of fuels reduction (i.e.: masticating, chipping, and erosion control).
- Finally, describe your most recent jobs that included mastication/chipping of trees and brush, including the date that each contract was executed, the date the contract was closed, and the acreage treated.

Cost: Provide your cost per acre in your bid; costs include services for both machine mastication and handwork of the entire project acres (having separate line items for costs of machine mastication and handwork mastication is required).

Local Benefit: In the interest of supporting local business, 5 points will be given to contractors based in Calaveras, Tuolumne, Amador and Alpine Counties.

AWARD PROCESS

Proposers will receive emailed Award/Non-Award notification(s) which will include the name of the proposer to be awarded this contract.

OTHER REQUIREMENTS

Public Records Access: Proposers should be aware that submitted proposals are subject to the California Public Records Act and may be disclosed to members of the public upon request. **It is the responsibility of the proposers to clearly identify information in their proposals that they consider to be confidential under the California Public Records Act**. To the extent that the CCRCD agrees with that designation, such information will be held in confidence whenever possible. All other information will be considered public.

Non-Discrimination The Contractor selected through this RFP shall provide services without discrimination based on race, creed, color, ethnic or linguistic identification, gender or sexual preference, disability or handicap or any other basis prohibited by law.

All information regarding the proposals will be held as confidential until such time as the Review Committee has completed its evaluation and, or if, contract negotiations are completed.

PROTEST/APPEAL PROCESS

The following procedure is provided in the event a proposer wishes to protest the CCRCD evaluation and selection process or appeal the recommendation to award a contract for this contract award once the Notices of Award/No-Award have been issued.

- Any protest must be submitted in writing to: CCRCD
  Attention: Project Manager
  PO Box 1041
  San Andreas, CA, CA 95249
- The protest must be submitted or postmarked before 6:00 p.m. on the 10th calendar day following the date of the Notice of Award.
- The protest must contain a complete statement of the basis for the protest. The protest must include the name, address, telephone number and e-mail address of the person representing the protesting party.
- The procedure and time limits are mandatory and are the proposer's sole and exclusive remedy in the event of a bid protest.

Proposer's failure to comply with these procedures shall constitute a waiver of any right to further pursue the protest, including filing a claim or legal proceedings.

Informal Response: Within ten (10) calendar days of receiving a timely written protect/appeal, the CCRCD will contact the protesting party and provide an opportunity to settle the protest/appeal by mutual agreement.

Formal Response: Within ten (10) calendar days following contact with the protesting party for informal resolution, the CCRCD will provide a written response to the protesting party. This written response shall be considered the final decision of the CCRCD.

FIRE PLAN FOR CONSTRUCTION AND SERVICE CONTRACTS
09/24/2022

1. **SCOPE:**

The provisions set forth below outline the responsibility for fire prevention and suppression activities and establish a suppression plan for fires within the contract area. The contract area is delineated by map in the contract. The provisions set forth below also specify conditions under which contract activities will be curtailed or shut down.

2. **RESPONSIBILITIES:**

A. Contractor

(1) Shall abide by the requirements of this Fire Plan.

(2) Shall take all steps necessary to prevent his/her employees, subcontractors and their employees from setting fires, shall be responsible for preventing the escape of fires set directly or indirectly as a result of contract operations, and shall immediately initiate actions to extinguish all such fires which may escape.

(3) Shall permit and assist in periodic testing and inspection of required fire equipment. Contractor shall certify compliance with specific fire precautionary measures in the fire plan before beginning operations during Fire Precautionary Period and shall update such certification when operations change.

(4) Shall designate in the Fire Plan and furnish on Contract Area, during operating hours, a qualified fire supervisor authorized to act on behalf of Contractor in fire prevention and suppression matters.

B. Calaveras County Resource Conservation District (CCRCD)

The CCRCD may conduct one or more inspections for compliance with the Fire Plan. The number, timing, and scope of such inspections will be at the discretion of CCRCD representatives responsible for contract administration. Such inspections do not relieve the Contractor of responsibility for correcting violations of the fire plan or for fire safety in general, as outlined in paragraph 2.A above.

3. **DEFINITIONS:**

The following definitions shall apply:

Active Landing: A location the contractor may be skidding logs into, or performing other operations such as delimbing, log manufacturing, and chipping logs. Except for EV and E days, loading logs or stockpiling chips only, on a cleared landing, does not constitute an Active Landing.

Hot Saw: A harvesting system that employs a high-speed (>1100 rpm) rotating felling head, i.e., full rotation lateral tilt head.

Mechanical Operations: The process of felling, skidding, chipping, shredding, masticating, piling, log processing and/or yarding which requires the use of motorized power which includes, chainsaws, chippers, motorized carriages, masticators, stroke delimbers, skidders, dozers etc.

4. **TOOLS AND EQUIPMENT:**

The Contractor shall comply with the following requirements during the fire precautionary period, as defined by unit administering contracts:

The Fire Precautionary Period set by the CCRCD is April 2 through November 15 of any year.

- **This contract ☒ requires, ☐ does not require, a Fire Box and associated Fire Tools according to CPRC Section 4428.**

A. Fire Tools and Equipment: Contractor shall meet minimum requirements of Section 4428 of the California Public Resources Code (PRC). Fire tools kept at each operating landing shall be sufficient to equip all employees in the felling, yarding, loading, chipping, and material processing operations associated with each landing. Fire equipment shall include two tractor headlights for each tractor dozer used in Contractor's Operations. Tractor headlights shall be attachable to each tractor and served by an adequate power source. All required fire tools shall be maintained in suitable and serviceable condition for fire fighting purposes.

Trucks, tractors, skidders, masticators, pickups and other similar mobile equipment shall be equipped with and carry at all times a size 0 or larger shovel with an overall length of not less than 46 inches and a 2-1/2 pound axe or larger with an overall length of not less than 28 inches.

B. Fire Extinguishers: Contractor shall equip each internal combustion yarder, fuel truck, and loader with a fire extinguisher for oil and grease fires (4-A:60-B:C).

Skidders and tractors shall be equipped with a minimum 5-BC fire extinguisher.

All Fire Extinguishers shall be mounted, readily accessible, properly maintained and fully charged.

Contractor shall equip each mechanized machine with hydraulic systems, powered by an internal combustion engine (chipper, feller/buncher, harvester, forwarder, hot saws, stroke delimber, etc), except tractors and skidders, with at least two 4-A:60-B:C fire extinguishers or equivalent.

C. Spark Arresters and Mufflers: Contractor shall equip each operating tractor and any other internal combustion engine with a spark arrester, except for motor vehicles equipped with a maintained muffler as defined in C.P.R.C. Section 4442 or tractors with exhaust-operated turbochargers. Spark Arresters shall be a model tested and approved under Forest Service Standard 5100-1a as shown in the. National Wildlife Coordinating Group Spark Arrester Guide, Volumes 1 and 2, and shall be maintained in good operating condition. Every motor vehicle subject to registration shall at all times be equipped with an adequate exhaust system meeting the requirements of the California Vehicle Code.

D. Power Saws: Each power saw shall be equipped with a spark arrester approved according to C.P.R.C. Section 4442 or 4443 and shall be maintained in effective working order. An Underwriters Laboratories (UL) approved fire extinguisher containing a minimum 14 ounces of fire retardant shall be kept with each operating power saw. In addition, a size 0 or larger shovel with an overall length of not less than 38 inches shall be kept with each gas can but not more than 300 feet from each power saw when used off cleared landing areas.

- **This contract ☒ requires, ☐ does not require, Section 4E of the Fire Plan.**

E. Tank Truck or Trailer: Contractor shall provide a **water tank truck or trailer** on or in proximity to Contract Area during Contractor's Operations hereunder during Fire Precautionary Period. When Project Activity Level B or higher is in effect, a tank truck or trailer shall be on or immediately adjacent to each active landing, unless otherwise excepted when Hot Saws or Masticators are being used. See Section 6 for specific contract requirements.

The tank shall contain at least 300 gallons of water available for fire suppression. Ample power and hitch shall be readily available for promptly and safely moving tank over roads serving Contract Area. Tank truck or trailer shall be equipped with the following:

(1) Pump, which at sea level, can deliver 23 gallons per minute at 175 pounds per square inch measured at the pump outlet. Pumps shall be tested on Contract Area using a 5/16 inch orifice in the Forester One Inch In-Line Gauge test kit. Pump shall meet or exceed the pressure value in the following table for nearest temperature and elevation:

Temp	Sea Level		1000 Feet		2000 Feet		3000 Feet		4000 Feet		5000 Feet		6000 Feet		7000 Feet		8000 Feet		9000 Feet		10000 Feet	
55	179	23	174	23	169	23	165	22	161	22	157	22	153	22	150	21	146	21	142	21	139	21
70	175	23	171	23	166	22	162	22	158	22	154	22	150	21	147	21	143	21	139	21	136	20
85	171	23	168	23	163	22	159	22	155	22	151	21	147	21	144	21	140	21	136	20	133	20
100	168	23	164	23	159	22	155	22	152	22	148	21	144	21	141	21	137	20	133	20	131	20
	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	GPM		PSI	GPM

The pump outlet shall be equipped with 1-1/2 inch National Standard Fire Hose thread. A bypass or pressure relief valve shall be provided for other than centrifugal pumps.

(2) 300 feet of 3/4-inch inside diameter rubber-covered high-pressure hose mounted on live reel attached to pump with no segments longer than approximately 50 feet, when measured to the extreme ends of the couplings. Hose shall have reusable compression wedge type 1-inch brass or lightweight couplings (aluminum or plastic). One end of hose shall be equipped with a coupling female section and the other end with a coupling male section. The hose shall, with the nozzle closed, be capable of withstanding 200 PSI pump pressure without leaking, distortions, slipping of couplings, or other failures.

(3) A shut-off combination nozzle that meets the following minimum performance standards when measured at 100 P.S.I. at the nozzle:

	G.P.M.	Horizontal Range
Straight Stream	10	38 feet
Fog Spray	6 - 20	N/A

(4) Sufficient fuel to run the pump at least 2 hours and necessary service accessories to facilitate efficient operation of the pump.

When Contractor is using Hot Saws or **Masticators**, an additional 250 feet of light weight hose, approved by the CCRCD, shall be immediately available for use and be capable of connecting to the 300 feet of hose and appurtenances in (2) and (3) above.

This equipment and accessories shall be deliverable to a fire in the area of operations and is subject to the requirements for each specific activity level identified in Section 6.

F. Compressed Air Foam System: A Compressed Air Foam System (CAFS) is a fire suppression system where compressed air is added to water and a foaming agent. By agreement, Contractor may substitute a CAFS or functional equivalent in lieu of the tank truck, trailer or fire extinguishers, provided it meets or exceeds the following specifications and requirements:

1. Variable foam expansion ratio – 10:1 to 20:1.
2. Units shall be kept fully charged with air; water and foam concentrate as recommended by the manufacturer and have the appropriate tools to service the system.

3. The unit shall contain enough energy to empty the tank and clear hose prior to exhausting propellant.
4. The unit shall be capable of being completely recharged within 10 minutes.
5. When used on cable yarding landings, the unit shall be outfitted for immediate attachment to carriage and transported without damage to the unit.

Fire extinguishers required for Hot Saws, **Masticators** and similar equipment identified in Section 4 B. above may be substituted with a 3 gallon CAFS.

Tank truck, trailer or equivalent may be substituted with a 30 Gallon CAFS with at least 550 feet of one inch hose and an adjustable nozzle with enough water, air and foam concentrate for at least one recharge.

This equipment and accessories shall also be deliverable to a fire in the area of operations and subject to the requirements for each specific activity level identified in Section 6.

5. GENERAL

A. **State Law**: In addition to the requirements in this Fire Plan, the Contractor shall comply with all applicable laws of the State of California. In particular, see California Public Resource Codes.

B. **Permits Required**: The Contractor must secure a special written permit from the Project Manager or designated representative before burning, welding, or cutting metal or starting any warming fires. If contract requires Blasting and Storing of Explosives and Detonators, an Explosives Permit may be required pursuant to the California Health and Safety Code, Section 12101.

C. **Blasting**: Contractor shall use electric caps only unless otherwise agreed in writing. When blasting is necessary in slash areas, a Fire Patrolperson equipped with a size 0 or larger shovel with an overall length of not less than 46 inches and a filled backpack can (4 or 5 gallon) with hand pump shall remain in the immediate area for an hour after blasting has been completed.

D. **Smoking**: Smoking **will not** be permitted at any time on the project site.

E. **Storage and Parking Areas**. Equipment service areas, parking areas, and gas and oil storage areas shall be cleared of all flammable material for a radius of at least 10 feet unless otherwise specified by local administrative unit. Small mobile or stationary internal combustion engine sites shall be cleared of flammable material for a slope distance of at least 10 feet from such engine. The COR shall approve such sites in writing.

F. **Reporting Fires**: As soon as feasible but no later than 15 minutes after initial discovery, Contractor shall **call 911** to notify of any fires in Contract Area or along roads used by Contractor. Contractor's employees shall report all fires as soon as possible to the Project Manager and/or personnel listed below, but not necessarily in the order shown:

	Name	Office Address	Office telephone
Project Manager	Dan Liechty		(209) 840-1683
Executive Director	Trina Walley		(209) 226-0039

- **This contract ☒ requires, ☐ does not require, Section 5G of the Fire Plan.**

G. **Communications**: Contractor shall furnish a serviceable telephone, radio-telephone or radio system connecting each operating side with Contractor's headquarters. When such headquarters is at a location which makes communication to it clearly impractical, CCRCD may accept a reasonable alternative location. The communication system shall provide prompt and reliable communications between Contractor's headquarters (or agreed to alternative) and CCRCD via commercial telephone.

Procedures for Reporting a Wildfire or Medical Emergency

1. Contact **911** and clearly state that "This is an emergency call."

2. When reporting a fire, provide the following information:

- Your Name
- Call back telephone number
- Project Name and Location; Descriptive location (Reference point) and Legal description (Township, Range, Section)
- Fire Information: Including Acres, Rate of Spread and Wind Conditions
- If location is off the main road system, send someone to guide emergency responders to scene.

3. In the event of fire - direct personnel and equipment to engage in fire suppression as soon as possible and continue the attack until relieved by Fire Agency personnel.

4. If it is a medical emergency, give aid to the victim(s) until first responders arrive.

5. Contact Project Manager and relay emergency information.

- **This contract ☒ requires, ☐ does not require, Section 5H of the Fire Plan.**

H. **Fire Patrolperson**: Contractor shall furnish a qualified fire patrolperson each operating day when **Project Activity Level C or higher** is in effect. When on duty, sole responsibility of patrolperson shall be to patrol the operation for prevention and detection of fires, take suppression action where necessary and notify the CCRCD as required. This Fire patrol is required on foot, unless otherwise agreed. By agreement, one patrolperson may provide patrol on this and adjacent projects.

The Contractor shall, prior to commencing work, furnish the following information relating to key personnel:

Title	Name	Telephone Number
Fire Supervisor		
Fire Patrolperson		

I. **Clearing of Fuels:** Contractor shall clear away, and keep clear, fuels and logging debris as follows:

Welding equipment and stationary log loaders, yarders and other equipment listed in California State Law:	10 feet slope radius
Tail or corner haulback blocks:	All running blocks shall be located in the center of an area cleared to mineral soil at least 15 feet in diameter.
Lines near, between or above blocks:	Sufficient clearing to prevent line from rubbing on snags, down logs and other dead woody material.

6. EMERGENCY PRECAUTIONS

Contractor's Operations shall conform to the limitations or requirements in the Project Activity Level (PAL) table below. Project Activity Levels applicable to this project shall be the predicted activity levels for the Fire Danger Rating Area(s), or fire weather station(s) stated in the Contract Area Map Legend on Integrated Resource Service Contracts (IRSC's), and other contracts where applicable.

Fire Danger Rating Area/Fire Weather Station for Project High North

The U.S. Forest Service, in its sole discretion, may change the predicted activity level if the current fire suppression situation, weather and vegetation conditions warrant an adjustment. Generally, the U.S. Forest Service will determine the following day's activity level by 6:00 PM. Contractor shall obtain the predicted Project Activity Level from the U.S. Forest Service/Stanislaus National Forest Project Activity Line before starting work each day.

Phone Number or Website to obtain Predicted Activity Levels: **209-532-5601**

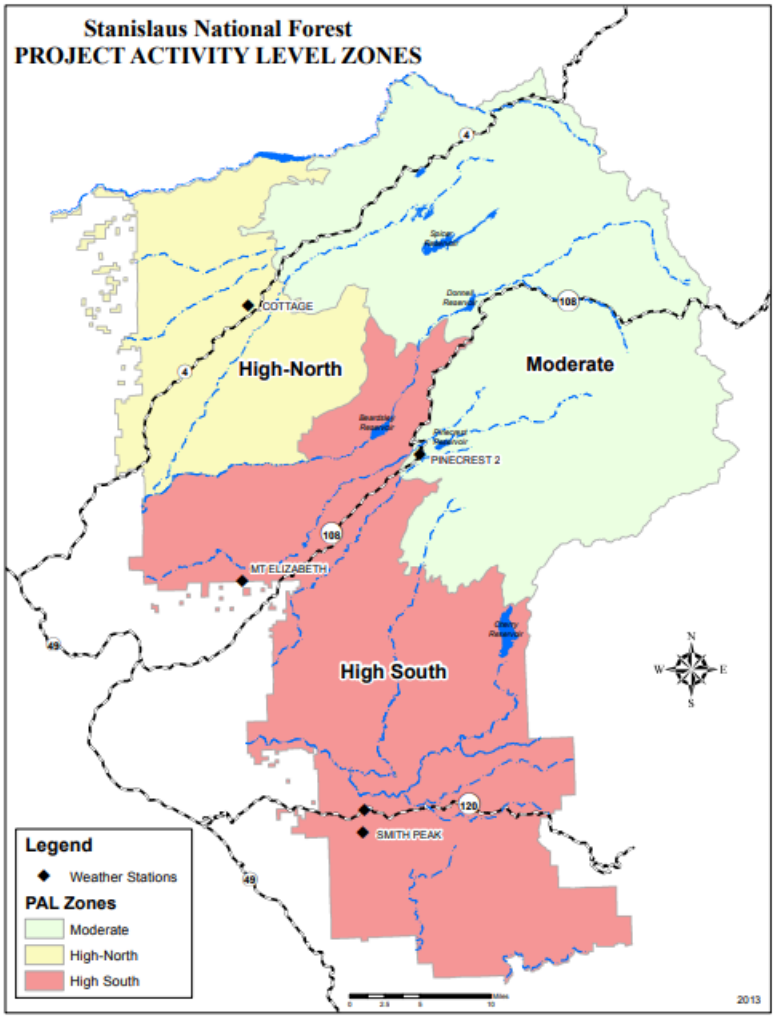
PALs (use "High North" pal zone)

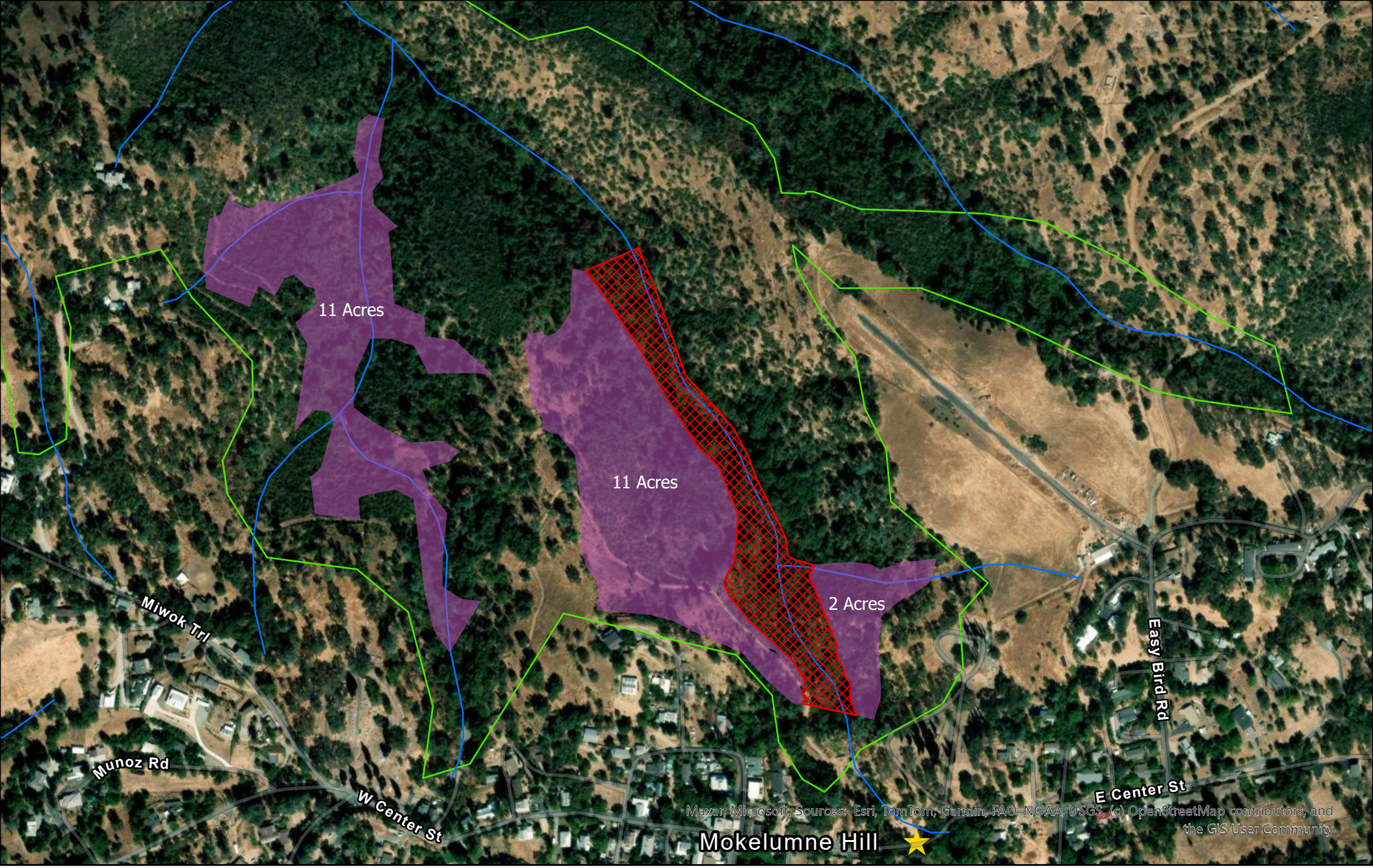
PROJECT ACTIVITY LEVEL

Level	***Project Activity Minimum Requirements and Restrictions. Restrictions at each level are cumulative.***
A	Minimum requirements noted above in Sections 4 and 5.
B	1. Tank truck, trailer, or approved CAFS substitute shall be on or adjacent to the Active Landing.
C	1. When Hot Saws or **Masticators** are operating, a tank truck, trailer, or approved CAFS substitute shall be within ¼ mile of these operations. Effective communications shall exist between the operator and the Active Landing. 2. Immediately after Mechanical Operations cease, Fire patrol is required for two hours.
D	1. Immediately after Hot Saw or **Masticator** operations cease, Fire patrol is required for three hours. 2. No Dead Tree felling after 1:00 PM, except recently dead. 3 No burning, blasting, welding or cutting of metal after 1:00 PM, except by special permit.
Ev	1. The following activities may operate all day: a) Loading and hauling logs decked at approved landings. b) Loading and hauling chips stockpiled at approved landings. c) Servicing equipment at approved sites. d) Dust abatement, road maintenance (Chainsaw use prohibited)**,** culvert installation within cleared area, chip sealing, paving, earth moving or rock aggregate stock pile loading and installation (does not include pit or quarry development). e) Chainsaw and log processing operations associated with loading logs or other forest products at approved landings. 2. Hot Saws or **Masticators** may operate until 1:00 PM; provided that: a) A tractor or other equipment with a blade capable of constructing fireline is on or adjacent to the active landing or within ¼ mile of the operating equipment. This piece of equipment shall have effective communication with the Hot Saw or Masticator. b) Any additional restrictions specified by CCRCD. 3. All other conventional Mechanical Operations are permitted until 1:00 PM.

Level	***Project Activity Minimum Requirements and Restrictions. Restrictions at each level are cumulative.***
E	The following activities may operate all day: 1. Loading and hauling logs decked at approved landings. 2. Loading and hauling chips stockpiled at approved landings. 3. Servicing Equipment at approved sites. 4. Dust abatement, road maintenance (chainsaw use prohibited) or loading stock piles and rock aggregate installation (does not include pit or quarry development). 5. Chainsaw operation associated with loading at approved landings. All other activities are prohibited.

This Project utilizes "The Project Activity Level" (PAL), an industrial operation's fire precaution system. The following Climatology Chart indicates the Historic Activity Levels for the Project Fire Danger Rating Area or Fire Weather Station utilized on this Project. This is only a historical average of the Activity Levels for the identified Fire Danger Rating Area or Weather Station.





Legend

- WatercourseExclusionBo
- PlannedTreatment2025
- Perimeter 082323 CEQA
- NHD High Res Flowlines, California
- MeetingLocation Chinatown Gardens

Mokelumne Hill Final Stage Treatment

0 0.05 0.1 0.2 Miles

N