



**California Department of Forestry and Fire Protection (CAL FIRE)**  
**California Climate Investment**  
**Fire Prevention Program Grant Application**  
**Fiscal Year 2018-19 Funding Opportunity**



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

**1. Project Tracking #:** 18-FP-FKU-2044 CalMapper ID: 168\_4300-2018-FPL-009

**Project Name/Title:** YR 2019 - 168 Corridor Dead & Dying Tree Removal and Disposal

**County:** Fresno **CAL FIRE Unit/Contract County:** FKU - Fresno-Kings Unit

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

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

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

**3. Sponsoring Organization:** County of Fresno

**Project Manager Title:** Staff Analyst III

**First Name:** Adan **Last Name:** Ortiz

**Address 1:** 1221 Fulton Street, 3rd Floor

**Address 2:**

**City:** Fresno **State:** California **Zip Code:** 93721

**Phone Number:** 559-600-4064 **Secondary Phone Number:** 559-600-4065

**Email Address:** aortiz@fresnocountyca.gov **Fax Number:**

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

Fuel Reduction

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

**Project Start Date:** 09/20/2019

**Project Completion Date:** 03/15/2022

Tracking #: 18-FP-FKU-2044

Project Name: YR 2019 - 168 Corridor Dead & Dying Tree Removal and Disposal

## 6. Limiting Factors:

Are there any existing forest or land management plans; Conservation Easements; Covenant, Conditions & Restrictions (CC&R's); matters related to zoning; use restrictions, or other factors that can or will limit the fire prevention proposed activity?

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

## 7. Timber Harvest Plans:

For fuel reduction projects, is there a timber harvesting document on any portion of the proposed project area for which a "Notice of Completion" has not been filed with CAL FIRE?

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

THP ID Number:

**8. Community at Risk:** Is the project associated with a community that is listed as a Community At Risk? See [http://osfm.fire.ca.gov/fireplan/fireplanning\\_communities\\_at\\_risk.php](http://osfm.fire.ca.gov/fireplan/fireplanning_communities_at_risk.php)

☐ Yes ☐ No

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

Auberry, Meadow Lakes, Shaver Springs, Tollhouse, Pine Ridge, Shaver Lake, Cressman, Bretz Mountain Village, Quartz Mountain, and Wildflower Village.

Number of Communities in the project area:

10

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

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

☐ Yes ☒ No

If yes, select all that applies:

☐ Disadvantaged ☐ Low Income ☐ Both ☐ Buffer Zone

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

The proposal will make the ten communities mentioned above more resilient to a wildfire, create a healthier forest landscape, and will allow for faster reforestation. Dead and dying trees in Fresno County that are not merchantable are chipped and utilized as biomass. This proposal also includes fuels thinning along roadways on ingress and egress routes, and fuels modification.

## 11. Project Budget:

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

Budget Item

Amount

Grant Funding Requested (\$) \$1,680,000.00

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

Partners (\$)

## 12. Local Wildland Fire Risk Reduction Plans:

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

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

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### 13. CEQA Compliance:

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

Please indicate the CEQA document type:

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

Document Identification Number

### 14. Application Submission:

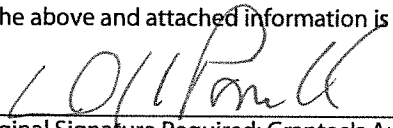
**NOTE TO APPLICANT:** If you modify the language contained in any part of this document, other than to fill in the blanks, or to provide requested information, your application will be rejected.

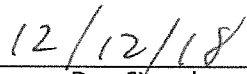
Note: Replace XXXX in the file name with the project's ID Number.

Note: Replace UUU in the file name with the 3-letter identifier for the Unit where the project is located. Unit identifiers are listed in the instructions for this application form.

US Mail	Email	Attachments	File Name
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Application Form (.pdf)	<input type="text" value="18-FP-FKU-2044-Application.pdf"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scope of Work	<input type="text" value="18-FP-FKU-2044-SOW.doc"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Budget	<input type="text" value="18-FP-FKU-2044-Budget.xls"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Map (.pdf)	<input type="text" value="18-FP-FKU-2044-MAP.pdf"/>
<input type="checkbox"/>	<input type="checkbox"/>	Articles of Incorporation (.pdf)	<input type="text"/>

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

  
Original Signature Required: Grantee's Authorized Representative

  
Date Signed

Printed Name

Title

Executed on:

Date

at

City

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

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

Tracking #: 18-FP-FKU-2044

Project Name: YR 2019 - 168 Corridor Dead & Dying Tree Removal and Disposal



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



**Project Name:** Yr 2019 - 168 Corridor Dead & Dying Tree Removal and Disposal

**Project Tracking Number:** 18-FP-FKU-2044

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

The project is located in the tree mortality priority County of Fresno, a tier one high hazard zone area and high fire hazard severity zone. The project will remove dead and dying trees that are within 300 feet of 4,110 habitable structures. Primary focus will be placed on removal and disposal of dead and dying trees around structures and drivable roads in and around the communities of Auberry, Meadow Lakes, Shaver Springs, Tollhouse, Pine Ridge, Shaver Lake, Cressman, Bretz Mountain Village, Quartz Mountain, and Wildflower Village, covering 13,740 acres as illustrated on the attached map. This project will also provide cleanup work to residents that felled their own trees but do not have the means for disposal that were not previously accounted for in prior grants. The proposed application also includes funding to begin thinning fuels along roadways to improve ingress and egress for threatened communities. Approximately 3,100 dead and dying trees and 100,000 cubic yards of cleanup material has been identified for removal in this area. This project will provide these communities with a reduced risk of hazard trees impacting habitable structures, safer ingress and egress routes along local roads, and less fuel loads within communities. County maintained roads are being treated with County General Fund dollars and California Disaster Assistant Act (CDAA) funds. As indicated on the map, there are several fuel breaks adjacent to the project and Southern California Edison and PG&E continue to remove trees along power lines in these communities.

**A. Scope of Work**

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

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

1. Describe the geographic scope of the project, including an estimate of the number of habitable structures and the names of the general communities that will benefit.
2. Describe the goals, objectives, and expected outcomes of the project.
3. Provide a clear rationale for how the proposed project will reduce the risks associated with wildfire to habitable structures in the WUI.

4. Identify any additional assets at risk to wildfire that will benefit from the proposed project. These may include, but are not limited to, domestic and municipal water supplies, power lines, communication facilities and community centers.
5. Is the scale of the project appropriate to achieve the stated goals, objectives and outcomes discussed in Item 2 above?
6. How will the project/activity utilize the left over woody biomass? Will the project/activity use a biomass facility to reduce greater greenhouse gas emissions?

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

The County was awarded FY 2016-17 SRA grants in early 2017 to treat this North East portion of the County. Priority funding was given to dead and dying tree removal projects that posed a threat to habitable structures and roads while distributing funds as much as possible throughout the area. Priority was also given to homeowners that could not afford to fell and dispose of their own trees. The County spent all of the SRA funds in these areas while only securing approximately 50% of the right of entry permits (ROE) that were mailed out.

On September 26, 2018, the County was awarded FY 2017-18 CCI Fire Prevention Program Grant (FPP) dollars to treat areas that were not funded with FY 2016-17 SRA dollars. In that application, the County requested funding to remove and dispose of approximately 17,139 dead and dying trees and 75,000 cubic yards of cleanup material. Disposal costs have recently increased by approximately 27% for Fresno County. This application proposes to cover some areas that were identified in the FPP application that will not be treated with FPP dollars.

The County continues to assess high hazard zone areas and has been tracking residents' concerns of falling trees and decked logs and slash on their property. Additional trees and slash cleanup that is within 300 feet of permanent private structures, roadways, and public or private infrastructure has been identified for removal and disposal in this area. Funding will also be utilized to decrease fuel loads on the ground and begin thinning fuels along roadways to improve ingress and egress for threatened communities.

The project area is within 13,740 acres in the North East portion of the County of Fresno. Approximately 4,110 habitable structures exist within the project boundaries that are adversely affected by dead and dying trees, and ground fuels within the communities of Auberry, Meadow Lakes, Shaver Springs, Tollhouse, Pine Ridge, Shaver Lake, Cressman, Bretz Mountain Village, Quartz Mountain, and Wildflower Village.

The County only mailed out ROEs to property owners that were potentially affected by tree mortality but did not follow-up with the owners that did not sign the ROE's. The County did not follow-up with the owners that did not sign the ROE's due to limited funding. Had the County secured all the ROEs that were mailed out, there would not have been enough funds to treat each home, road, and infrastructure identified in the Project Tracking Number: 18-FP-FKU-2044

application. Now, however, the County has dedicated personnel to follow-up with property owners in an effort to convince them to allow the County to enter their property to provide tree and fuels removal work to protect the public.

The County has environmental clearance within this area. Within 2-3 months from grant award, dead and dying trees and debris cleanup will be identified, mapped, and ready to be bid out to Licensed Timber Operators. The County also proposes to begin thinning fuels along roadways to provide safe ingress and egress routes. Time is of the essence for the County. The County's goal is to have the project completed within 24 months from award.

Projects over the last three years have been targeted at removing dead trees along ingress and egress routes, infrastructure protection and community protection in Fresno County. This project will remove dead and dying trees and the associated slash from the communities and provide for safer egress for the citizens and access for fire equipment by thinning the forested areas along roadways. Prior to the tree mortality, the trees were not a ground fuel that was immediately available to burn. Now however, these trees have died, are falling, and will continue to fall, increasing the ground fuel loading from approximately 50 tons per acre to over 1,500 tons per acre. The added fuel loading will only increase the impacts of fire on these communities unless removed. This project also supports the current and broader scale planned community fuel break projects for surrounding areas. CAL FIRE and the local Fire Safe Council will continue to work on fuel breaks. Having access to the fuel breaks by clearing the roads and clearing around structures will create a safer community. The expansion of defensible space and buffering of manmade assets will make these areas and assets more resistant to the impacts of fire. The proposed hazardous fuel reduction will also provide enhanced protection to water supplies, utility lines, communication facilities and community centers.

The Licensed Timber Operators (LTO) under contract with the County have a good working relationship with Rio Bravo, Fresno, and Wheelabrator, Shasta, two biomass-fired electrical generating facilities. The County's bidding guidelines require the LTOs to dispose of all the woody material. The LTOs have been collaborating with Rio Bravo and Wheelabrator to reduce greenhouse gas emissions.

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

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

This tree removal project is consistent with the goals and objectives of the Fresno County Tree Mortality Plan, Fresno Kings Unit Fire Plan, Community Wildfire Protection Plan and the California Strategic plan. This project will also make man-made assets more resistant to the occurrence and effects of wildland fire.

United States Forest Service lands are directly adjacent to this project. Locally, projects are prioritized and implemented across landscapes. Fires in this area will impact both Federal and private lands. This project is also in line with the National Cohesive Wildland Fire Management strategies which address wildland fire management across all lands in the United States.

## **C. Degree of Risk**

1. Discuss the location of the project in relation to areas of moderate, high, or very high fire hazard severity zone as identified by the latest Fire and Resource Assessment Program maps. Fire hazard severity zone maps by county can be accessed at: [http://www.fire.ca.gov/fire\\_prevention/fire\\_prevention\\_wildland\\_zones\\_maps.php](http://www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps.php)
2. Describe the geographic proximity of the project to structures at risk to damage from wildfire in the WUI. (Please type in blank space below. Please note there is no space limitations).

This project is situated within the designated very high hazard and high hazard severity zones. Approximately 13,501 acres (98%) of the project is within a very high hazard severity zone, 228 acres (1.70%) within a high hazard zone, and 11 acres (.30%) within a moderate severity zone. Fresno County has experienced catastrophic tree mortality with many areas showing 100% mortality. This project is in an area with 80-100% tree mortality and many of the trees have died over 3.5 years ago increasing the likelihood of these trees falling at any time.

This project will treat approximately 4,110 habitable structures at risk to damage from wildfire in the WUI. In addition, approximately 30 drivable roads will be treated with fuels thinning.

#### **D. Community Support**

1. Does the project include any matching funds from other funding sources or any in-kind contributions that are expected to extend the impact of the proposed project?
2. Describe plans for external communications during the life of the project to keep the effected community informed about the goals, objectives and progress of the project. Activities such as planned press releases, project signage, community meetings, and field tours are encouraged.
3. Describe any plans to maintain the project after the grant period has ended.
4. Does the proposed project work with other organizations or agencies to address fire hazard reduction at the landscape level?  
(Please type in blank space below. Please note there is no space limitations).

It should be noted that the County has contributed 1.0 Full Time Equivalent (FTE) to the County's Tree Mortality Program. The County is prepared to continue contributing 1.0 FTE to fulfill the Program's mission. This contribution has allowed for grant administration, bidding of contractors, assessment and prioritization of projects, coordination, and one point of contact with partner agencies. Maintenance of the project will continue after the grant period has ended and will rely on homeowners maintaining a cleared landscape. The County wants to be in a position to submit for future funding opportunities and will continue to monitor the area.

This project meets the goals and objectives of the Fresno County Tree Mortality Task Force which includes representatives from: 168 Fire Safe Council, Cal Trans, Fresno County Sheriff, Fresno County Ag, CAL FIRE, Fresno County OES, Fresno County Public Works & Planning, Oak to Timberline Fire Safe Council, PG&E, Sierra Nevada Conservancy, Sierra Resource Conservation District, So. Cal. Edison, USFS-Sequoia, and USFS-Sierra.

This project will increase the effectiveness of the existing fuel breaks adjacent to these communities. The larger landscape fuel breaks will be constructed by CAL FIRE, USFS and the 168 Fire Safe Council. This fuel break system is currently being expanded and dead and dying trees are being removed using various funding sources from state and federal agencies. CAL Trans is removing trees along highways 168, which traverse through this project area.

External communications with community groups include media releases, public meetings, and status updates on the County's website.

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

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

2. Verify the expected timeframes to complete the project will fall under the March 15, 2022 deadline.
3. Describe the milestones that will be used to measure the progress of the project.
4. Describe measurable outcomes (i.e. project deliverables) that will be used to measure the project's success.
5. If applicable, how will the requirements of the California Environmental Quality Act (CEQA) be met?  
(Please type in blank space below. Please note there is no space limitations).

The County of Fresno has contracts in place with 17 Registered Professional Foresters and 26 LTOs. The County is submitting 2 applications for consideration and is committed to commencing work simultaneously on both sides of the County if awarded. Should this application be approved, the County anticipates this project will be completed no later than March 15, 2022. The County is prepared to commence multiple projects at one time to remove as many trees and remove ground fuels in the shortest amount of time. The County will place two separate sets of time-lines and milestones on this project. The first time-line and milestone will be placed on the County Project Manager assigned to oversee the grant requirements and contracted services for tree removal. The second time-line and milestone will be assigned to the LTOs and will include the number of trees to be removed by certain deadlines; and project progress deadlines at 25%, 50%, 75% and 100% completion.

The County has signed ROE's from several property owners and 100% environmental clearance within this area. Within 1-2 months of grant award, the County will have additional signed ROE's to enter private property. Within 2-3 months from grant award, dead and dying trees and debris cleanup will be identified and mapped, and ready to be put out to bid to secure LTOs. Within 3 months of grant award, trees, slash, and logs will begin to be removed and disposed; and thinning of fuels along roads will begin. Time is of the essence for the County. The County's goal is to have the project completed within 24 months from award.

## **F. Administration**

1. Describe any previous experience the project proponent has with similar projects. Include a list of recent past projects the proponent has successfully completed if applicable. Project proponents having no previous experience with similar projects should discuss any past experiences that may help show a capacity to successfully complete the project being proposed. This may include partnering with a more experienced organization that can provide project support.
2. Identify who will be responsible for tracking project expenses and maintaining project records in a manner that allows for a full audit trail of any awarded grant funds.  
(Please type in blank space below. Please note there is no space limitations).

On January 29, 2016, the County of Fresno was awarded SRA grant #5GS15103 for the Miramonte / Pinehurst fuel reduction project and SRA grant #5GS15104 for the

Meadow Lakes / Shaver Lake fuel reduction project. The County successfully completed both projects and is in closeout mode for these grants.

In early 2017, the County of Fresno was awarded 13 SRA grants for dead and dying tree removal and disposal projects. As of November 30, 2018, all 13 of these projects have been completed, pending reimbursement for 2 grants.

The County was also awarded CDAA funds from CalOES to continue removing dead and dying trees around infrastructure. County staff gained additional experience in tree mortality type grant management through the application process, bidding and contracting for services, and preparation for invoicing. Staff also has a good handle on available wood utilization and disposal markets.

County OES staff have a combined 18 years of grant management experience covering several different grant funding sources. County OES staff will track project expenses and maintain project records in a manner that allows for a full audit trail.

## **G. Budget**

A detailed project budget should be provided in an Excel spreadsheet attached to this grant application. The space provided here is to allow for a narrative description to further explain the proposed budget.

1. Explain how the grant funds, if awarded, will be spent to support the goals and objectives of the project. If equipment grant funds are requested, explain how the equipment will be utilized and maintained beyond the life of the grant.
2. Are the costs for each proposed activity reasonable for the geographic area where they are to be performed? Identify any costs that are higher than usual and explain any special circumstances within the project that makes these increased costs necessary to achieve the goals and objectives of the project.
3. Is the total project cost appropriate for the size, scope, and anticipated benefit of the project?
4. Identify all Indirect Costs and describe why they are necessary for a successful project implementation. Administrative expenses to be paid by the Fire Prevention Grants must be less than 12% of the total grant request (excluding equipment).
5. Explain each object category in detail and how that would support meeting the grant objectives.

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

This application solicitation is for \$1,680,000. Grant funds will be primarily utilized to contract with Licensed Timber Operators, which are required to provide their own traffic control, fell, remove, and dispose of all material. Funds will also be utilized to contract

with Registered Professional Foresters for their expertise in assessing and marking trees and cleanup sites. The County does not anticipate the need to purchase equipment. The County has gained additional experience contracting with Licensed Timber Operators and has become more familiar with market rates and trends. The County does not anticipate costs that are higher than usual; however, bids for projects where trees are within 10 feet of a home have traditionally been higher. 12% Administration is being budgeted to allow the County to offset staff time not contributed towards the project. Staff time includes GIS services, procurement, ROE's, site visits, traffic control review, and assessments. The County's goal is to remove as many dead and dying trees and cleanup sites that pose a threat to the public and to lower Greenhouse Gas emissions.

## **H. California Climate Investments**

The space provided here is to allow for a narrative description to further explain how the project/activity will reduce Greenhouse Gas emissions.

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

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

The County has allowed a chipping operation to process material that is utilized as biomass by Rio Bravo, Fresno, and Wheelabrator, Shasta, two biomass-fired electrical generating facilities. Contracted LTOs have a good working relationship with these cogeneration facilities for the material from felled trees and from cleanup projects. Numerous property owners felled their own hazard trees but do not have the means to properly dispose of them. These property owners are faced with limited options for removing this fire fuel from the ground. Options they have mentioned include burning on site or allowing it to decompose naturally. The most likely way the material will be disposed of if this grant is not awarded will be by open pile burning which will release more stored carbon back into the atmosphere than disposing of the material at the cogeneration facilities. The sooner we assist these property owners with the removal and disposal of woody material the sooner they can transition to the reforestation phase.

Although the project is not located in a Low-Income or Disadvantaged Community, potential smoke from a wildfire will adversely affect these communities.

The proposal will reduce the wildfire emissions around the Auberry, Meadow Lakes, Shaver Springs, Tollhouse, Pine Ridge, Shaver Lake, Cressman, Bretz Mountain

Village, Quartz Mountain, and Wildflower Village communities. The proposal will also make the above areas more resilient to a wildfire, create a healthier forest landscape, and will allow for appropriate reforestation. The trees being removed died because of the drought and subsequent forest pest outbreak. By removing the material and maintaining a landscape that is more appropriately stocked will allow the forest to be more resilient and the remaining trees should be able to withstand low rainfall years because of lower stocking rates.

By clearing the immediate fuels that can exacerbate a wildfire, the County will have lowered Greenhouse Gas emissions. County staff is willing and available to calculate project emissions with CalFIRE. Maintaining lower emissions after the grant funds are expended will be accomplished through education and brokering of disposal options for the public. The County has been notifying the co-generation facilities of available biomass and can coordinate for its pickup.

## Project Budget

Project Name: YR 2019 - 168 Corridor Dead &amp; Dying Tree Removal and Disposal

Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
A. Salaries and Wages											
	Staff Analyst - Grant Mgt	750	Hours	\$ 37	0%	100%	0%	\$ -	\$ 27,750	\$ -	\$ 27,750
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Salaries and Wages:							\$ -	\$ 27,750	\$ -	\$ 27,750	
B. Employee Benefits											
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Employee Benefits:							\$ -	\$ -	\$ -	\$ -	
C. Contractual											
	Registered Professional Forester	700	Hours	\$ 105	100%	0%	0%	\$ 73,500	\$ -	\$ -	\$ 73,500
	Licensed Timber Operator	6	Contract	\$ 237,750	100%	0%	0%	\$ 1,426,500	\$ -	\$ -	\$ 1,426,500
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Acres	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Miles	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Contractual:							\$ 1,500,000	\$ -	\$ -	\$ 1,500,000	
D. Travel & Per Diem:											
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Travel & Per Diem:							\$ -	\$ -	\$ -	\$ -	
E. Supplies											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Supplies:							\$ -	\$ -	\$ -	\$ -	
F. Equipment											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Equipment:							\$ -	\$ -	\$ -	\$ -	
G. Other Costs											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Other Costs							\$ -	\$ -	\$ -	\$ -	
Total Direct Costs								\$ 1,500,000	\$ 27,750	\$ -	\$ 1,527,750
Indirect Costs (Exclude Equipment)							12%	\$ 180,000		\$ 180,000	
Total Project Costs								\$ 1,680,000	\$ 27,750	\$ -	\$ 1,707,750
Less Program Income								\$ -			\$ -
Total Grant Proposed Costs								1,680,000	\$ 27,750	\$ -	1,707,750

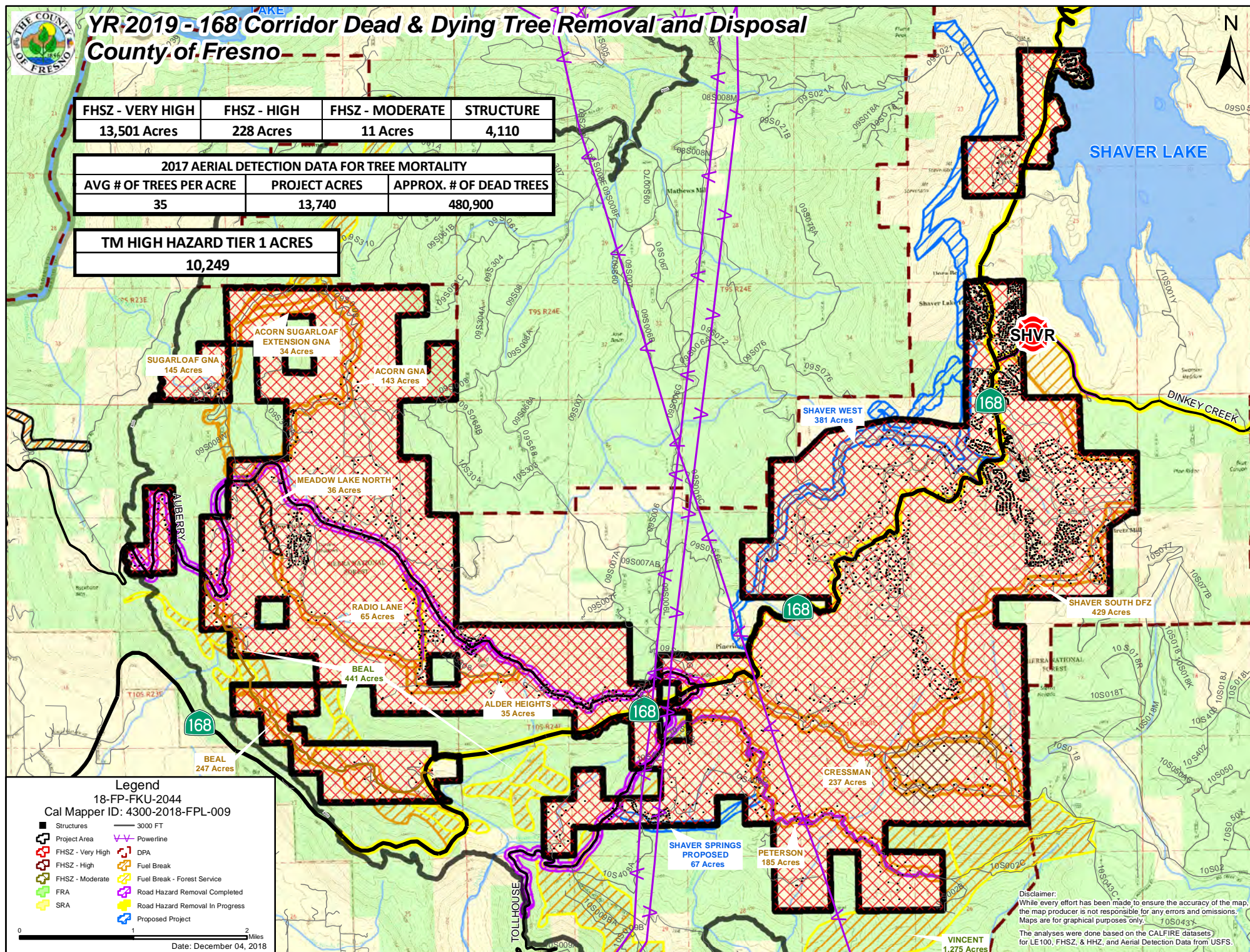


# YR 2019 - 168 Corridor Dead & Dying Tree Removal and Disposal County of Fresno

FHSZ - VERY HIGH	FHSZ - HIGH	FHSZ - MODERATE	STRUCTURE
13,501 Acres	228 Acres	11 Acres	4,110

2017 AERIAL DETECTION DATA FOR TREE MORTALITY		
AVG # OF TREES PER ACRE	PROJECT ACRES	APPROX. # OF DEAD TREES
35	13,740	480,900

TM HIGH HAZARD TIER 1 ACRES
10,249





## FRESNO COUNTY FIRE

PROTECTION DISTRICT

210 South Academy Avenue  
Sanger, California 93657  
Telephone: (559) 493-4300  
Fax: (559) 875-7451  
[www.fresnocountyfire.org](http://www.fresnocountyfire.org)

December 3, 2018

Department of Forestry and Fire Protection – CAL FIRE  
Attention: Grants Management Unit/Fire Prevention Grants  
P.O. Box 944246  
Sacramento, CA 94244-2460

RE: Letter of Support County of Fresno  
168 Corridor Dead and Dying Tree Removal and Disposal Grant Proposal  
2018/2019 California Climate Investments Fire Prevention Grant Program

To Whom It May Concern,

The Fresno County Fire Protection District would like to extend support for funding of the 168 Corridor Dead and Dying Tree Removal and Disposal project submitted by the County of Fresno under the 2018/2019 California Climate Investments Fire Prevention Grant Program.

The 168 Corridor Dead and Dying Tree Removal and Disposal project is a collaborative effort between the County of Fresno, Fresno-Kings Unit of CAL FIRE, Sierra National Forest, and the Fresno County Fire Protection District. The purpose of the project is to remove insect killed trees within communities, create safe corridors for ingress and egress and appropriately remove and dispose of the material in a manner consistent with appropriate fuels reduction for the prevention of catastrophic wildfire. This project within communities enhances the fuels breaks being created by CAL FIRE, the Sierra National Forest and 168 Fire Safe Council around the communities. This project has been identified as a critical element for community protection from wildfire within the Fresno-Kings Pre-Fire Management Plan and the local Community Wildfire Protection Plan.

Please consider this project for funding for the 2018/2019 Fiscal Year.

Sincerely,  
Mark Johnson  
Chief – Fresno County Fire Protection District

By

James E. McDougald, Assistant Chief

Granicus ID# 18-1600

Board date: 2/26/19

SUBJECT: California Department of Forestry and Fire Protection - Fire Prevention Program  
Grant Funds

Fire Prevention Program Grant Funds revenue will be deposited into Org 55125205, Fund 0001,  
Sub 10000, Acct 3572