

State of California

Natural Resources Agency

Memorandum

From: Wade Crowfoot
Secretary
California Natural Resources Agency

Date: April 07, 2020

Telephone: (916) 653-7772

Thom Porter
Director
California Department of Forestry and Fire Protection

Website: www.fire.ca.gov

Subject: GREENHOUSE GAS REDUCTION FUND – Department of Forestry and Fire Protection

EXPENDITURE RECORD FOR FISCAL YEAR 2019-2020
Department of Forestry and Fire Protection – Fire Prevention Grants Program

This Attestation Memorandum documents that the California Natural Resources Agency and the California Department of Forestry and Fire Protection (CAL FIRE) Updated the attached Expenditure Record on April 07, 2020 for the Fire Prevention Grants Program. The Expenditure Record has been updated for a study to assess structure to structure fire spread. The study will be performed by the National Institute of Standards and Technology. The Expenditure Record is consistent with the statutory requirements of Government Code Section 16428.9 and with the California Air Resources Board's (CARB) Funding Guidelines for Agencies that Administer California Climate Investments to support expenditures from the Greenhouse Gas Reduction Fund.

This Attestation Memorandum and Expenditure Record will be submitted to CARB for public posting on the CARB website: www.arb.ca.gov/caclimateinvestments. Questions on this Attestation Memorandum or Expenditure Record may be directed to Daniel Berlant, CAL FIRE Assistant Deputy Director of Wildfire Planning & Engineering, Fire Engineering, and Investigations at (916) 223-3576, Daniel.Berlant@fire.ca.gov.

Attachment

Signed:

Wade Crowfoot 4/22/2020
Wade Crowfoot, Secretary
California Natural Resources Agency

Thom Porter 4/22/2020
Thom Porter, Director
California Department of Forestry and Fire Protection

Department of Forestry and Fire Protection Expenditure Record for Fire Prevention Grants

Greenhouse Gas Reduction Fund: Expenditure RecordDepartment of Forestry and Fire Protection
Fire Prevention Grants Program

Authorizing legislation: Item 3540-001-3228 of AB 74, Committee on the Budget, Budget Act of 2019 (Chapter 23, Statutes of 2019)

Element (1) A description of each expenditure proposed to be made by the administering agency pursuant to the appropriation.

<input type="checkbox"/> Agency that will administer funding	<ul style="list-style-type: none"> Department of Forestry and Fire Protection, Fire Prevention Grants Program.
<input type="checkbox"/> Amount of proposed expenditure and appropriation reference	<ul style="list-style-type: none"> Per appropriation 3540-001-3228, the total expenditure is up to \$165,000,000.00 for grants focused on Forest Health, Forest Legacy, and Fire Prevention activities that will reduce greenhouse gases (GHG).
<input type="checkbox"/> Estimated amount of expenditures for administering agency administrative costs	<ul style="list-style-type: none"> There are no state agency administrative costs.
<input type="checkbox"/> If applicable, identify laws or regulations that govern how funds will be used	<ul style="list-style-type: none"> AB 74 (Chapter 23, Statutes of 2019), established the program and provides direction on how the funds will be allocated to recipients, including requirements for project eligibility and program implementation. All funds will be allocated and managed in accordance with this law. AB 1532 (Pérez, Chapter 807, Statutes of 2012), Senate Bill (SB) 535 (de León, Chapter 830, Statutes of 2012), SB 1018 (Budget and Fiscal Review Committee, Chapter 39, Statutes of 2012), SB 862 (Budget and Fiscal Review Committee, Chapter 36, Statutes of 2014), and AB 1550 (Gomez, Chapter 369, Statutes of 2016) provide the general framework for how the auction proceeds will be administered to further the purposes of AB 32. AB 398 (E. Garcia, Chapter 135, Statutes of 2017) prioritized Fire Prevention for expenditures from the Greenhouse Gas Reduction Fund.
<input type="checkbox"/> Continuation of existing Expenditure Record	<ul style="list-style-type: none"> This fiscal year's appropriation will support a continuing program that will fund the same types of fire prevention projects that have been funded under existing Expenditure Record (FY 2018-19).

Department of Forestry and Fire Protection Expenditure Record for Fire Prevention Grants

<input type="checkbox"/> Project type(s)	<ul style="list-style-type: none"> ▪ Hazardous Fuel Reduction/Removal of Dead and Dying Trees ▪ Fire Prevention Public Education ▪ Fire Prevention Planning ▪ Defensible Space Inspections
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<input type="checkbox"/> Describe the projects and/or measures that will be eligible for funding	<ul style="list-style-type: none"> ▪ 1. <i>Hazardous Fuel Reduction/Removal of Dead and Dying Trees:</i> <ul style="list-style-type: none"> ○ Vegetation clearance in critical locations to reduce wildfire intensity and rate of spread. ○ Creation or maintenance of fuel breaks in strategic locations, as identified in CAL FIRE Unit Fire Plans, a Community Wildfire Protection Plan and Community Wildfire Prevention & Mitigation Report or similar strategic planning document. ○ Removing ladder fuels to reduce the risk of crown fires. ○ Creation of community level fire prevention programs, such as community chipping days, roadside chipping, and green waste bin programs. ○ Elective tree removal (thinning) to improve forest health to withstand wildfire. ○ Modification of vegetation adjacent to roads to provide for safer ingress and egress of evacuating residents and responding emergency personnel. ○ Reduction of fuel loading around critical firefighting infrastructure, including, but not limited to, fire hydrants, water drafting locations, and staging areas. ○ Removing dead and dying trees. ○ Must support local efforts to remove dead and dying trees that pose a threat to public health and safety. <ul style="list-style-type: none"> • Dead and dying trees greater than 10" in diameter and 20 feet in height; and • Dead and dying trees reasonably accessible by equipment/machinery; and • Dead and dying tree removal within 300 feet of permanent structures and that pose a structural threat to the residence. This does not include moveable or temporary sheds and outbuildings, or carports.; or • Dead and dying tree removal within 300 feet of serviceable roadways and that pose a structural threat to roadways.; or • Poses a threat to public or private infrastructure. ○ For Tree Mortality Grants - Projects should be located in a "Priority County" as identified by the Tree Mortality Task Force.
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Department of Forestry and Fire Protection Expenditure Record for Fire Prevention Grants

	<ul style="list-style-type: none"> ▪ 2. <i>Fire Prevention Public Education:</i> <ul style="list-style-type: none"> ○ To reduce the total number of wildland fire and acres burnt ○ To educate the public ▪ 3. <i>Fire Prevention Planning:</i> <ul style="list-style-type: none"> ○ Wildfire risk or related mapping. ○ Creation of strategic wildfire planning documents, such as a Community Wildfire Protection Plan (CWPP). ○ Research to determine standards for structural codes and regulations ▪ 4. <i>Defensible Space Inspections:</i> <ul style="list-style-type: none"> ○ CAL FIRE inspects residential homes for proper clearance to 100 feet which increases the chance of a home surviving a wildfire. ○ Inspections provide education and awareness with compliance requirements to the Public Resource Code Section 4291. ▪ 5. <i>Quantification Methodology Contract:</i> <ul style="list-style-type: none"> ○ Contract to pay for the Quantification Methodology for all of the Awarded Fire Prevention Grant projects. ▪ 6. <i>National Institute of Standards and Technology (NIST) Structure to Structure Study:</i> <ul style="list-style-type: none"> ○ The objective of the project is to assess structure to structure fire spread.
<input type="checkbox"/> Intended recipients	<ul style="list-style-type: none"> ▪ State Agencies ▪ Federal Agencies ▪ Tribal Entities ▪ Local government, Including, <ul style="list-style-type: none"> ○ Cities near/adjacent to SRA ○ Counties ○ Fire Districts ○ Community Service Districts ○ Water Districts ○ Special Districts with SRA within their Jurisdiction ▪ Certified Local Conservation Corps ▪ Fire Safe Councils ▪ Resource Conservation Districts ▪ Non-profit organizations with a 501(c)(3) designation
<input type="checkbox"/> Process for selecting projects for funding	<ul style="list-style-type: none"> ▪ Projects will be selected through a competitive application process. CAL FIRE will give priority to landscapes where projects will have the greatest benefits, such as areas with tree mortality and wildfire threats, carbon storage potential, as well as opportunity for biomass use. These are areas where applicants have demonstrated there is need for treatment, and these areas will be given high priority for funding. CAL FIRE will review full applications for completeness and

Department of Forestry and Fire Protection Expenditure Record for Fire Prevention Grants

fulfillment of selection criteria. Each project will be scored against the selection criteria, and the highest scoring projects will be selected for funding. Eligibility and selection criteria are found in the grant guidelines.

- Priority Fuel Reduction Projects using community and wildfire risk information.
 - National Institute of Standards and Technology (NIST) has a long standing partnership with CAL FIRE on studying damage inspection with and structure loss. They participate in the California Building Code Chapter 7A working group. They are the only ones capable to carry out this study as they are uniquely qualified for this research. Additionally, they are not beholden to anyone. They follow the science, produce reports based on their findings and make recommendations from those findings.
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Element (2) A description of how a proposed expenditure will further the regulatory purposes of Division 25.5 (commencing with Section 38500) of the Health and Safety Code, including, but not limited to, the limit established under Part 3 (commencing with Section 38550) and other applicable requirements of law.

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| <input type="checkbox"/> How the expenditure is reflected in the Investment Plan and the Scoping Plan | <ul style="list-style-type: none"> ▪ AB 74 requires that GGRF monies be appropriated in a manner that is consistent with the three-year Investment Plan. The Fiscal Year 2019-20 appropriation acknowledges the multiple benefits of fire prevention grants that reduce greenhouse gas emissions caused by uncontrolled wildfires, including, but not limited to, vegetation management, forest overgrowth reduction, biomass energy generation, and measures to ensure future wildfires are more consistent with historic regenerative fire regimes. ▪ The Legislature should “continue to invest in existing programs and prioritize programs that: <ul style="list-style-type: none"> ○ Emphasize meaningful community input in program modifications and project solicitation and design, and fund community-led projects, both community-wide and small-scale. ○ Achieve near-term climate and health benefits and contribute to long-term transformation to low carbon communities and ecosystems that are adaptable and resilient.” ▪ Encouraging collaboration with local and regional organizations and increasing investment to protect, enhance, and innovate in our rural landscapes and communities. |
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Department of Forestry and Fire Protection Expenditure Record for Fire Prevention Grants

Element (3) A description of how a proposed expenditure will contribute to achieving and maintaining greenhouse gas emission reductions pursuant to Division 25.5 (commencing with Section 38500) of the Health and Safety Code.

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| <input type="checkbox"/> Describe how expenditures will facilitate the achievement of GHG emission reductions in the State | <ul style="list-style-type: none"> ▪ <i>For Hazardous Fuel Reduction/Removal of Dead and Dying Trees Grant Projects and Priority Fuels Reduction Projects:</i> <ul style="list-style-type: none"> ○ By converting trees into high quality wood products, the carbon contained in them does not decay in a landfill and is put to a better use. The GHG reductions result from wood products retaining more carbon than decomposed or burned biomass. ○ Biomass (limbs, tops, and other residues) can be repurposed for renewable electricity generation or biofuel production. By utilizing biomass for energy, these projects avoid GHG emissions from displaced fossil fuel-based energy sources. ○ Fuel reduction treatments reduce fuel loading, thereby reducing the risk of large, uncontrolled wildfires and associated GHG emissions while also improving the stability of forest carbon in remaining vegetation. Projects will require that the best, healthiest trees remain for greater carbon sequestration and fire, drought, and pest resistance. While trees may be removed, thinning overstocked stands reduces competition among trees, thereby promoting carbon sequestration and avoiding future mortality. ▪ <i>For Fire Prevention Public Education Grant Projects:</i> <ul style="list-style-type: none"> ○ These fire prevention public education projects will provide higher levels of understanding and recognition from the public about the risks associated with wildfires, thereby reducing the number of ignitions of unwanted wildfires. The intention is to have global benefits for reduction of Greenhouse Gas Emissions by combining projects to meet CARB requirements. ▪ <i>For Fire Prevention Planning Grant Projects:</i> <ul style="list-style-type: none"> ○ These fire prevention planning projects will allow better community awareness, and provide avoidance measures to reduce wildfire impacts on structures and healthy forest environments. The intention is to have global benefits for reduction of Greenhouse Gas Emissions by combining projects to meet CARB requirements. |
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Department of Forestry and Fire Protection Expenditure Record for Fire Prevention Grants

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| <input type="checkbox"/> Explain when GHG emission reductions and/or co-benefits are expected to occur and how they will be maintained | <ul style="list-style-type: none"> ▪ Fuels reduction treatments are an initial source of GHG emissions as biomass is removed from the treatment area. A net GHG benefit from fuel reduction activities occurs as a result of biomass utilization, improved tree growth, and avoided wildfire emissions from an expected reduction in fire severity. The time required to achieve a net GHG benefit will vary depending on site characteristics and treatments employed, but is expected to be achieved between 7 and 15 years. |
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Element (4) A description of how the administering agency considered the applicability and feasibility of other non-greenhouse gas reduction objectives of Division 25.5 (commencing with Section 38500) of the Health and Safety Code.

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| <input type="checkbox"/> Expected co-benefits, particularly environmental, economic, public health and safety, and climate resiliency | <ul style="list-style-type: none"> ▪ Fire Prevention projects can take many forms (i.e. vegetation removal, dead and dying tree removal, chipping, etc.) and the specific co-benefits achieved by any forest health project will vary depending on the activities employed. Despite the variation, all fire prevention projects are expected to result in healthier, more resilient forests that provide numerous co-benefits including: <ul style="list-style-type: none"> ○ Avoiding or reducing the impacts to forests from catastrophic wildfire. ○ Maintaining or improving water quality by impeding erosive runoff that can discharge sediments into streams. ○ Healthy resilient forests that are more resistant to fire and climate change. ○ Well-managed forested landscapes that lessen the risk to life, public safety, and infrastructure. ○ Maintenance and improvement of air quality. ○ Green and bioenergy development. ○ Reduction of fossil fuel-based energy demand. ○ Help develop markets for beneficial uses of the material, including, but not limited to, animal bedding, biochar, cross-laminated timber, mulch, oriented |
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Department of Forestry and Fire Protection Expenditure Record for Fire Prevention Grants

	<p>strandboard, pulp, post, shredding, and veneer products.</p> <ul style="list-style-type: none"> ○ Creation of new and maintenance of existing employment opportunities. ○ Enhanced recreational opportunities and tourism revenue. ○ Decreased risk of wildfire consuming homes and other buildings. ○ Improved ingress and egress in the case of a fire.
<input type="checkbox"/> How the project will support other objectives of AB 32 and related amendments	<ul style="list-style-type: none"> ▪ The Fire Prevention program will also support other Assembly Bill 32 objectives including improvement of air quality by reduction of wildfire emissions; providing opportunities for community institutions and small businesses to participate in and benefit from GHG reduction efforts via issuing grants to nonprofit organizations. ▪ Wildfires emit over 60% of the black carbon released in California annually. The Fire Prevention Program will reduce the short-lived climate pollutant, a specified priority in AB 398, over business as usual.
<input type="checkbox"/> Percentage of total funding that will be expended for projects that benefit disadvantaged or low-income communities and low-income households per CARB guidance	<ul style="list-style-type: none"> ▪ Annual Fire Prevention Program activities reduce wildfire emissions across the state, directly benefiting all disadvantaged or low-income communities and low income households throughout all 15 California Air Basins.
<input type="checkbox"/> Describe the benefits to disadvantaged or low-income communities and low-income households per CARB guidance	<ul style="list-style-type: none"> ▪ Hazardous wildfire emissions (i.e. smoke and black carbon) impact disadvantaged communities, low income communities and low income households far removed from areas actively burning. By reducing and eliminating wildfires through Fire Prevention Activities, disadvantaged communities, low income communities and low income households will see fewer days negatively impacted by hazardous wildfire emissions.
<input type="checkbox"/> Explain strategies the administering agency will use to maximize benefits to disadvantaged communities	<ul style="list-style-type: none"> ▪ To help maximize benefits to disadvantaged communities, the administering agency will coordinate with local and regional entities to host workshops that allow the public to provide input on the types of projects that would be funded. ▪ Projects that meet disadvantaged community benefit criteria and demonstrate that the project will meaningfully address an important community need will receive additional points in scoring.

Department of Forestry and Fire Protection Expenditure Record for Fire Prevention Grants

Element (5) A description of how the administering agency will document the result achieved from the expenditure to comply with Division 25.5 (commencing with Section 35800) of the Health and Safety Code.

<input type="checkbox"/> How the administering agency will track / report progress to make sure projects are implemented per requirements in statute and CARB guidance	<ul style="list-style-type: none"> ▪ The agency requires funding recipients to maintain records and submit quarterly reporting in a format prescribed in CARB guidance. ▪ In addition, CAL FIRE will conduct periodic reviews of selected projects. If a funding recipient does not perform in accordance with program requirements, the recipient will be subject to the remedies of non-performance, as identified in the program guidelines.
<input type="checkbox"/> Describe the approach that will be used to document GHG emission reductions and/or other benefits before and after project completion. Include citations for references that support methodology	<ul style="list-style-type: none"> ▪ CAL FIRE and project proponents will calculate the net GHG reductions from the programs described here using methods approved by CARB for FY 2019-20 (see www.arb.ca.gov/cci-quantification).
<input type="checkbox"/> Type of information that will be collected to document results, consistent with CARB guidance	<ul style="list-style-type: none"> ▪ Project results will be collected and entered into the Department's CalMAPPER Information System. CalMAPPER records a wide range of information in a database form and spatially, so that maps can be produced and other GIS analysis can be conducted. Information such as acres treated, location of projects, funds expended, solid wood or biomass products generated from the projects, and carbon sequestration and GHG emission reductions will be collected and recorded.
<input type="checkbox"/> How the administering agency will report on program status	<ul style="list-style-type: none"> ▪ CAL FIRE will regularly report on expenditures, status of grant projects, and project benefits in reports prepared and submitted according to CARB Funding Guidelines. At a minimum, the reports will include expenditure amounts, current estimates of the net GHG benefit, and acres treated.