



# Air Resources Board



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TO: Duane Shintaku  
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CAL FIRE  
1416 9th Street  
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FROM: Cynthia Marvin, Chief  
Transportation and Toxics Division

DATE: September 17, 2015

SUBJECT: GREENHOUSE GAS REDUCTION FUND: CALIFORNIA DEPARTMENT  
OF FORESTRY AND FIRE PROTECTION EXPENDITURE RECORDS  
FOR FISCAL YEAR 2014-15 – FOREST PRACTICE PROGRAM,  
REFORESTATION, FOREST PEST CONTROL, DEMONSTRATION  
STATE FOREST RESEARCH

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Thank you for submitting the final four expenditure records (attached) on behalf of the California Department of Forestry and Fire Protection (CAL FIRE) on September 11, 2015 to satisfy the requirements of Senate Bill 1018 (Budget and Fiscal Review Committee, Chapter 39, Statutes of 2012) for expenditures from the Greenhouse Gas Reduction Fund. We appreciate the iterative consultation process with your staff on the development of this record to support expenditures from these forest management programs, excluding the Fuels Reduction Program that is covered by a separate expenditure record.

This memorandum documents that the Air Resources Board (ARB) Transportation and Toxics Division concurred on September 16, 2015 that the attached records are consistent with the statutory requirements of Government Code Section 16428.9 and with our expectations, as documented in the August 6, 2014 final ARB *Interim Guidance to Administering Agencies on Expenditure Record and Fiscal Procedures*.

These CAL FIRE Expenditure Records for Fiscal Year 2014-15, along with this memorandum, will be published on the ARB Cap-and-Trade Auction Proceeds website at: [www.arb.ca.gov/auctionproceeds](http://www.arb.ca.gov/auctionproceeds).

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

**Greenhouse Gas Reduction Fund: Expenditure Record**

**Fiscal Year: 2014-15 Funds**

California Department of Forestry and Fire Protection (CAL FIRE)  
Forest Practice Program

**Authorizing legislation:** Item 3540-001-3228 (Senate Bill 852, Chapter 25, Statutes of 2014) appropriated \$17,847,000 and item 3540-101-3228 (Senate Bill 852, Chapter 25, Statutes of 2014) appropriated \$24,153,000 to implement fire risk reductions, forest health activities, and urban forestry projects.

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

<input type="checkbox"/> Agency that will administer funding	<ul style="list-style-type: none"> <li>▪ California Department of Forestry and Fire Protection (CAL FIRE)</li> </ul>
<input type="checkbox"/> Amount of proposed expenditure and appropriation reference	<ul style="list-style-type: none"> <li>▪ Items 3540-001-3228 and 3540-101-3228 of the Budget Act of 2014 includes \$24,153,000 (\$22,353,000 in grants and \$1,800,000 in program/administrative staff) from the Greenhouse Gas Reduction Fund (GGRF) for forest management activities that will reduce greenhouse gases (GHG). Of that amount, \$1.2 million will go towards the Forest Practice Program described in this Expenditure Record.</li> </ul>
<input type="checkbox"/> Intended recipients	<ul style="list-style-type: none"> <li>▪ Landowners</li> </ul>
<input type="checkbox"/> Project category	<ul style="list-style-type: none"> <li>▪ Natural Resources, Forest Practice Program</li> <li>▪ This program will provide grants to small landowners, especially coalitions of small landowners in a watershed, for the development of watershed specific Programmatic Timber Environmental Impacts Reports (PTEIRs) and implementation of planned on-the-ground activities that produce a net GHG benefit.</li> </ul>
<input type="checkbox"/> Type of projects that will be eligible for funding	<ul style="list-style-type: none"> <li>▪ The planning documents will facilitate the forest management activities that are implemented as part of the project.</li> <li>▪ Forest management activities must result in a net GHG benefit and can involve increasing carbon sequestration, protecting forests from the impacts of catastrophic fire, pests, and disease, or avoiding conversion of forest land to non-forest uses.</li> </ul>

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| <input type="checkbox"/> Process for selecting projects for funding | <ul style="list-style-type: none"><li>▪ Competitive solicitation, evaluation and selection of projects according to the program Request for Proposals and Procedural Guides.</li></ul> |
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**(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 three-year Investment Plan | <ul style="list-style-type: none"><li>▪ AB 1532 requires that GGRF monies be appropriated in a manner that is consistent with the three-year Investment Plan. The 2013 Cap-and-Trade Auction Proceeds Investment Plan<sup>1</sup> recommends that funds be used for forest management practices that sequester carbon and reduce GHGs.</li><li>▪ In addition, the First Update to the Scoping Plan<sup>2</sup> recognizes the key role that forests must play in meeting California's GHG emission reduction goals. It describes a series of policies, actions, and strategic investments to enhance, protect, and conserve California's natural and working lands in ways that will provide important climate benefits, specifically recommending a more coordinated approach to local land use planning to enhance, protect, and conserve forest land.</li><li>▪ CAL FIRE's proposed expenditures on forest practice projects are designed to capitalize on these climate change mitigation opportunities, further the GHG emission reduction regulatory purposes of Section 38500, and align with the priorities of the Investment Plan. This is achieved by implementing forest practice projects that result in a net GHG benefit and involve increasing carbon sequestration, protecting forests from the impacts of catastrophic fire, pests, and disease, or avoiding conversion of land to non-forest uses.</li></ul> |
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**(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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<sup>1</sup> Cap-and-trade auction proceeds investment plan: fiscal years 2013-14 through 2015-16.

[http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/final\\_investment\\_plan.pdf](http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/final_investment_plan.pdf)

<sup>2</sup> First Update to the Climate Change Scoping Plan

[http://www.arb.ca.gov/cc/scopingplan/2013\\_update/first\\_update\\_climate\\_change\\_scoping\\_plan.pdf](http://www.arb.ca.gov/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf)

□ Expected time frame when reductions will be achieved and how expenditure will maintain GHG reductions

- The goal of this grant program is to fund the development of PTEIRs and implementation of planned on-the-ground activities for the purpose of achieving net GHG reductions. In order to be deemed complete and eligible for consideration of funding, project proposals are required to include a clear description of the estimated net GHG benefit that will be achieved through project implementation.
- The PTEIR planning documents will facilitate the forest management activities that are implemented as part of the project. On-the-ground activities may relate to a variety of improved forest management practices including reforestation, forest pest control, fuels reduction, or avoided conversion.
- All projects will have a field component that results in a net GHG benefit calculated using an ARB approved quantification methodology. The practices that will achieve that benefit will vary but may include tree planting, selective removal of biomass to enhance carbon sequestration and resilience of remaining trees, protecting forests under threat of conversion, and utilization of biomass for wood products or as an alternative to fossil fuel-based energy.
- The timeframe for achieving reductions will also vary by project type with some projects achieving a benefit upon completion of project activities and others requiring several years for a GHG benefit to be realized.
- Projects that do not immediately result in a GHG benefit must be sustained at least until a net GHG benefit is realized and maintained for 10 years, during which CAL FIRE will monitor projects for compliance with the terms of the grant. The grant recipient will provide access to CAL FIRE as needed, for periodic monitoring of selected projects.

**(4) A description of how the state agency considered the applicability and feasibility of other nongreenhouse gas reduction objectives of Division 25.5 (commencing with Section 38500) of the Health and Safety Code.**

□ Expected co-benefits, particularly environmental, economic, public health and safety

Forest practice projects can take many forms (e.g., reforestation, forest pest control, etc.). Direct and indirect public benefits are attributable to the on-the-ground activities. The specific co-benefits achieved by any forest practice project will vary depending on the type of activities employed. Despite the variation, all forest practice projects are expected to result in healthier, more resilient forests that provide numerous co-benefits including:

- Avoiding or reducing the impacts to forests from catastrophic wildfire

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- 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 which lessen the risk to life, public safety, and infrastructure
  - Functional wildlife habitat for state and federally listed species
  - Habitat, refugia and migration corridors for wildlife, and maintain the diversity of natural communities that are increasingly stressed by climate change
  - Maintenance of, and improved air quality
  - Preservation of historic and cultural resources
  - Green/ bioenergy development
  - Reduction of fossil fuel-based energy demand
  - New and existing employment opportunities
  - Enhanced recreational opportunities and tourism revenue
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Disadvantaged community benefits, if applicable, as defined in ARB guidelines

- These grants are not expected to directly benefit disadvantaged communities.
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Percentage of total funding that will be expended for projects that benefit disadvantaged communities, per ARB guidelines

- These grants are not expected to directly benefit disadvantaged communities.
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How the project will support other AB 32 objectives (see below)

- The forest practice program will also support other AB 32 objectives including complementing the State's effort to improve air quality.
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**(5) A description of how the state 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.**

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<p><input type="checkbox"/> Approach that will be used to document net GHG reductions before and after project completion. Include citations for references that support methodology.</p>	<ul style="list-style-type: none"><li>▪ Project proponents and CAL FIRE will calculate the net GHG benefit from the program described here using ARB-approved quantification methodologies. CAL FIRE will work closely with ARB to improve GHG reduction methodologies for all forestry projects in order to ensure that only projects with a net GHG benefit are funded with GGRF funds.</li><li>▪ A net GHG benefit for forest practice projects are calculated by comparing the project scenario to the no-project scenario at the end of the project life. The inclusion of carbon pools and length of project life will be dependent upon the type of on-the-ground activities employed.</li><li>▪ The GHG benefit will be calculated using ARB approved quantification methodologies consistent with project types described in the expenditure records for the other CAL FIRE programs, as appropriate.</li></ul>
<p><input type="checkbox"/> Type of information that will be collected to document project results, as described in ARB guidelines</p>	<ul style="list-style-type: none"><li>▪ Grantees will collect and report project results to CAL FIRE for entry into the Department's CAL Mapper Information System. Information such as acres treated, location of projects, funds expended, solid wood or biomass products generated, and net GHG benefit will be collected and recorded.</li></ul>
<p><input type="checkbox"/> How the agency will report on program status</p>	<ul style="list-style-type: none"><li>▪ CAL FIRE will regularly report on expenditures, status of grant projects, and project benefits in reports prepared and submitted according to ARB guidelines.</li><li>▪ At a minimum, such reports will include expenditures, net GHG benefit, and co-benefits.</li></ul>

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