

**ATTACHMENT B**

SBC Fuel Reduction Maintenance Equipment Project Grant Agreement  
#5GG19137

State of California  
 Dept. of Forestry and Fire Protection (CAL FIRE)  
 Office of the State Fire Marshal  
**GRANT AGREEMENT**

**APPLICANT:** Santa Barbara County Fire Department  
**PROJECT TITLE:** SBC Fuel Reduction Maintenance Equipment  
**GRANT AGREEMENT:** 5GG19137

**PROJECT PERFORMANCE PERIOD IS from Upon Approval through March 14, 2024.**  
 Under the terms and conditions of this Grant Agreement, the applicant agrees to complete the project as described in the project description, and the State of California, acting through the Dept. of Forestry & Fire Protection, agrees to fund the project up the total state grant amount indicated.

**PROJECT DESCRIPTION:** Purchase a Chipper and a Tow Vehicle to support the department's fuel reduction projects and new fuels crew module over 720,000 acres of SRA.

**Total State Grant not to exceed \$ 179,000.00** (or project costs, whichever is less)

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

**Santa Barbara County Fire Department**

**STATE OF CALIFORNIA  
 DEPARTMENT OF FORESTRY  
 AND FIRE PROTECTION**

Applicant

By \_\_\_\_\_  
 Signature of Authorized Representative

By \_\_\_\_\_

Name & Title: **Mark A. Hartwig, Fire Chief**

Title: **Mike Richwine, State Fire Marshal, Acting**

Date \_\_\_\_\_

Date \_\_\_\_\_

**CERTIFICATION OF FUNDING**

AMOUNT OF ESTIMATE FUNDING <b>\$ 179,000.00</b>	GRANT AGREEMENT NUMBER <b>5GG19137</b>	PO ID		
ADJ. INCREASING ENCUMBRANCE <b>\$ 0.00</b>	SUPPLIER ID			
ADJ. DECREASING ENCUMBRANCE <b>\$ 0.00</b>	PROJECT ID	ACTIVITY ID		
UNENCUMBERED BALANCE <b>\$ 179,000.00</b>	GL UNIT <b>3540</b>	BUD REF <b>001</b>	FUND <b>3228</b>	ENY <b>2019</b>
REPORTING STRUCTURE <b>35409205</b>	SERVICE LOC <b>92014</b>	ACCOUNT <b>5340580</b>	ALT ACC <b>000000000</b>	

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

\_\_\_\_\_  
 SIGNATURE OF CAL FIRE ACCOUNTING OFFICER

\_\_\_\_\_  
 DATE

TERMS AND CONDITIONS OF GRANT AGREEMENT

**I. RECITALS**

1. This Agreement, is entered into between the State of California, by and through the California Department of Forestry and Fire Protection (CAL FIRE), hereinafter referred to as "STATE" and Santa Barbara County Fire Department, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed One Hundred Seventy Nine Thousand Dollars (**\$179,000.00**).
3. In addition to the terms and conditions of this Agreement, the STATE and GRANTEE agree that the terms and conditions contained in the documents set forth below are hereby incorporated and made part of this agreement.
  - a. California Climate Investments Department of Forestry and Fire Protection Fire Prevention Program Grant Guidelines 2019-2020
  - b. The submitted Application, Scope of Work, Budget Detail, GHG Emissions Reduction Methodology and Exhibits
  - c. Addendum for Greenhouse Gas Reduction Fund (GGRF) Grant Projects

**II. SPECIAL PROVISIONS**

1. Recipients of GRANT FUNDS pursuant to California Public Resources Code Section 4124.5 shall abide by the provisions in this Agreement. This includes the requirement that work shall not commence prior to the execution of this Agreement by both parties. Any work started prior to the execution of this Agreement will not be eligible for funding under the terms of this Agreement.
2. As precedent to the State's obligation to provide funding, GRANTEE shall provide to the STATE for review and approval a detailed budget, specifications, and project description. Approval by the STATE of such plans and specifications, or any other approvals provided for in this Agreement, shall be for scope and quality of work, and shall not relieve GRANTEE of the obligation to carry out any other obligations required by this Agreement, in accordance with applicable law or any other standards ordinarily applied to such work or activity.
3. All informational products (e.g., data, studies, findings, management plans, manuals, photos, etc.) relating to California's natural environment produced with the use of GRANT FUNDS shall be available for public use.

**III. GENERAL PROVISIONS**

1. Definitions

- a. The term “Agreement” means grant agreement number 5GG19137.
- b. The term “GRANT FUNDS” means the money provided by the STATE to the GRANTEE in this Agreement.
- c. The term “GRANTEE” means an applicant who has a signed Agreement for the award for GRANT FUNDS.
- d. The term “Other Sources of Funds” means all matching fund sources that are required or used to complete the Project beyond the GRANT FUNDS provided by this Agreement.
- e. The term “STATE” means the State of California, Department of Forestry and Fire Protection (CAL FIRE).
- f. The term “Project” means the development or other activity described in the “Project Scope of Work”.
- g. The term “Project Budget Detail” as used herein defines the approved budget plan.
- h. The term “Project Scope of Work” as used herein means the individual scope of work describing in detail the approved tasks.

2. Project Representatives

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

STATE: CAL FIRE	GRANTEE: Santa Barbara County Fire Department
Section/Unit: SBC	Section/Unit:
Attention: Fred Tan	Attention: Vince LaRocco
Mailing Address: 4410 Cathedral Oaks Rd. Santa Barbara CA, 93110	Mailing Address: 4410 CATHEDRAL OAKS ROAD SANTA BARBARA CA, 93110
Phone Number: 805-896-6350	Phone Number: 805-451-0161
Email Address: Fred.Tan@sbcfire.com	Email Address: Vince.LaRocco@sbcfire.com

Changes to the project representatives during the term of the agreement shall be made in writing. Notice shall be sent to the above representative for all notice provisions of this Agreement.

### 3. Project Execution

- a. Subject to the availability of grant monies, the STATE hereby grants to the GRANTEE a sum of money (GRANT FUNDS) not to exceed the amount stated on Section I. RECITALS, Paragraph 2 in consideration of and on condition that the sum be expended in carrying out the purposes as set forth in the description of the Project in this Agreement and its attachments and under the terms and conditions set forth in this Agreement.
- b. GRANTEE shall assume any obligation to furnish any additional funds that may be necessary to complete the Project. Any amendment to the Project as set forth in the Application on file with the STATE must be submitted to the STATE for approval in writing. No amendment is allowed until written approval is given by the STATE.
- c. GRANTEE shall complete the Project in accordance with the time of Project performance set forth in this Agreement, unless an amendment has been approved and signed by the STATE under the terms and conditions of this Agreement. Amendments must be requested in advance and will be considered in the event of circumstances beyond the control of the GRANTEE, but in no event less than 90 days from the Agreement expiration date and in no event less than 60 days before the effective date of the amendment. Approval of amendment is at the STATE's discretion.
- d. GRANTEE certifies that the Project Scope of Work complies with all local, State, and federal laws and regulations.
- e. GRANTEE shall comply with the California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000, et. seq. Title 14, California Code of Regulations, Section 15000 et. seq.) and all other local, State, and federal environmental laws. A copy of the certified CEQA document must be provided to STATE before any GRANT FUNDS are made available for any Project activity that could directly impact the environment (e.g. cutting, piling or burning bush, masticating, dozer work, etc.). CEQA compliance shall be completed within one (1) year from start date of the Agreement. The start date is considered the date the last party signs the Agreement. GRANT FUNDS will be made available in advance of CEQA compliance for project activities that do not have the potential to cause a direct environmental impact (e.g. project planning, locating and

marking property or project boundaries, contacting and signing up landowners, etc.).

- f. GRANTEE shall permit periodic site visits by representative(s) of the STATE to ensure program compliance and that work is in accordance with the approved Project Scope of Work, including a final inspection upon Project completion.
- g. GRANTEE, and the agents and employees of GRANTEE, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents, of the STATE. No person who, as an officer, employee, or agent of the state participated in the preparation or creation of or determination to award this Grant Agreement shall serve as an agent or employee of GRANTEE including but not limited to those acts prohibited by Government Code Sections 1090, and 87100.

#### 4. Project Costs and Payment Documentation

- a. Payment by the STATE shall be made after receipt of an acceptable invoice and approval by a duly authorized representative of the STATE. GRANTEE shall submit an invoice for payment to the CAL FIRE Project Representative of the STATE. A final invoice shall be submitted no later than 30 days after completion, expiration, or termination of this Agreement.
- b. For services satisfactorily rendered, and upon receipt and approval of invoices for payment, the STATE agrees to compensate GRANTEE for actual expenditures incurred in accordance with the rates specified herein, which is attached hereto, as Final Project Budget Detail, and made a part of this Agreement.
- c. Equipment purchased using GRANT FUNDS, wholly or in part, must be used by the GRANTEE for the project which it was acquired. STATE retains a vested interest in the equipment for the useful life of the equipment, even after completion of the grant. GRANTEE shall provide written disposition of the equipment upon completion of the grant and upon any changes to the disposition of the equipment. Such disposition must be approved in advance by STATE. Equipment purchased using GRANT FUNDS cannot be used as collateral, financed, or sold without prior written approval from the STATE.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and no less than quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, expenditures for the current

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invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), appropriate supporting documentation, project progress reports, and the signature of an authorized representative of GRANTEE as detailed in the Invoice Guidelines of the California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2019-2020.

- e. GRANT FUNDS in this Agreement have a limited period in which they must be expended. All GRANTEE expenditures must occur prior to the end of the Project performance period of this Agreement.
- f. Except as otherwise provided herein, GRANTEE shall expend GRANT FUNDS in the manner described in the Project Budget Detail approved by the STATE. The dollar amount of an item in the Project Budget Detail may be increased or decreased by up to ten percent (10%) of the budget item through reallocation of funds from another item or items, without approval by the STATE; however, GRANTEE shall notify the STATE in writing in project progress reports when any such reallocation is made, and shall identify both the item(s) being increased and those being decreased. Any increase or decrease of an item of more than ten percent (10%) of the budget item must be approved in writing by the STATE before any such increase or decrease is made. A formal approved amendment is required to increase the total amount of GRANT FUNDS.
- g. GRANTEE shall promptly submit any and all records at the time and in the form as the STATE may request.
- h. GRANTEE shall submit each invoice for payment to the CAL FIRE Representative identified in Item 2. The invoice may be submitted as hard copy or electronically.
- i. Notwithstanding any of the provisions stated within this Agreement, the STATE may at its discretion make advance payment from the grant awarded to the GRANTEE if GRANTEE is a nonprofit organization, a local agency, a special district, a private forest landowner or a Native American tribe. Advance payment made by the STATE shall be subject to the following provisions.
  - GRANTEE shall submit a written request identifying how funds will be used over a six-month period. The written request must be accompanied by an invoice that contains the same level of detail as a regular invoice.
  - GRANTEE shall file an accountability report with STATE four months from the date of receiving the funds and every four months thereafter.

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- Multiple advance payments may be made to a GRANTEE over the life of a project.
- No single advance payment shall exceed 25% of the total grant amount and must be spent on eligible costs within six months of the advance payment request. GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. The balance of unspent advance payment funds not liquidated within the six-month spending period will be billed for the return of advanced funds to the STATE.
- All work under a previous advance payment must be fully liquidated via an invoice and supporting documentation and completed to the STATE's satisfaction before another advance payment will be made.
- Any advance payment received by a GRANTEE and not used for project eligible costs shall be returned to CAL FIRE. The amount will be returned to the grant balance.
- Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and used toward offsetting the project cost or returned to the STATE.

5. Budget Contingency Clause

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

6. Project Administration

- a. GRANTEE shall provide the STATE a written report showing total final Project expenditures and matching funds upon Project completion or grant expiration, whichever occurs first. GRANTEE must report to the STATE all sources of other funds for the Project. If this provision is deemed to be violated, the STATE will request an audit of GRANTEE and can delay the disbursement of funds until the matter is resolved.
- b. GRANTEE shall promptly submit written Project reports as the STATE may request throughout the term of this Agreement.
- c. GRANTEE shall submit a final accomplishment report, final invoice with associated supporting documentation, and copies of materials developed



using GRANT FUNDS, including but not limited to plans, educational materials, etc. within 30 days of Project completion.

## 7. Financial Records

- a. GRANTEE shall retain all records described in Section 7(c) below for three (3) years after final payment by the STATE. In the case an audit occurs, all such records shall be retained for one (1) year from the date is audit is completed or the three (3) years, whichever date is later.
- b. GRANTEE shall maintain satisfactory financial accounts, documents, and records for the Project and make them available to the STATE for review during reasonable times. This includes the right to inspect and make copies of any books, records, or reports of GRANTEE pertaining to this Agreement or matters related thereto.
- c. GRANTEE shall keep such records as the STATE shall prescribe, including, but not limited to, records which fully disclose (a) the disposition of the proceeds of state funding assistance, (b) the total cost of the Project in connection with such assistance that is given or used, (c) the amount and nature of that portion of the Project cost supplied by other sources, and (d) any other such records as will facilitate an effective audit. All records shall be made available to the STATE, other State of California agency, or other entity as determined by the State of California for auditing purposes at reasonable times.
- d. GRANTEE shall use any generally accepted accounting system.

## 8. Research

- a. GRANTEE that receives funding, in whole or in part, in the form of a research grant shall provide for free public access to any publication of a peer-reviewed manuscript describing STATE funded knowledge, STATE funded invention, or STATE funded technology shall be subject to the following conditions:
  - i. GRANTEE is responsible for ensuring that any publishing or copyright agreements concerning peer-reviewed manuscripts fully comply with this section
  - ii. GRANTEE shall report to STATE the final disposition of the peer-reviewed manuscript, including, but not limited to, if it was published, date of publication, where it was published, and, when the 12-month time period from official date of publication expires, where the peer-reviewed manuscript will be available for open access.

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- b. For a peer-reviewed manuscript that is accepted for publication pursuant to the terms and conditions of this Agreement, the GRANTEE shall ensure that an electronic version of the peer-reviewed manuscript is available to STATE and on an appropriate publicly accessible repository approved by the state agency, including, but not limited to, the University of California's eScholarship Repository at the California Digital Library, the California State University's ScholarWorks at the Systemwide Digital Library, or PubMed Central, to be made publicly available not later than 12 months after the official date of publication. GRANTEE shall make reasonable efforts to comply with this requirement by ensuring that the peer-reviewed manuscript is accessible on an approved publicly accessible repository, including notifying the state agency that the manuscript is available on a state-agency-approved repository. If the grantee is unable to ensure that his or her manuscript is accessible on an approved, publicly accessible repository, the grantee may comply by providing the manuscript to the state agency not later than 12 months after the official date of publication.
- c. For publications other than those described in (b), including scientific meeting abstracts, GRANTEE shall comply by providing the manuscript to the STATE not later than 12 months after the official date of publication.
- d. The grant shall not be construed to authorize use of a peer-reviewed manuscript that would constitute an infringement of copyright under the federal copyright law described in Section 101 of Title 17 of the United States Code and following.
- e. Use of GRANT FUNDS for publication costs, including fees charged by a publisher for color and page charges, or fees for digital distribution are allowable costs but must be within the GRANT FUNDS and item 4 of the agreement.
- f. GRANTEE may request a waiver to the publication requirement if GRANTEE has an existing publication requirement that meets or exceeds the requirements of the research provision. Waiver shall include information on GRANTEE's existing requirements. Approval of the waiver is at STATE's discretion.

8. Project Termination

- a. This Agreement may be terminated by the STATE or GRANTEE upon 30-days written notice to the other party.
- b. If either party terminates the Agreement prior to the completion of the Project, GRANTEE shall take all reasonable measures to prevent further

costs to the STATE under the Agreement and the STATE shall be responsible for any reasonable and non-cancelable obligations incurred by GRANTEE in the performance of this Agreement prior to the date of the notice to terminate, but only up to the undisbursed balance of funding authorized in this Agreement.

- c. Failure by GRANTEE to comply with the terms of this Agreement may be cause for suspension of all obligations of the STATE hereunder at the discretion of the STATE.
- d. Failure of GRANTEE to comply with the terms of this Agreement shall not be cause for the suspension of all obligations of the STATE hereunder if in the judgment of the STATE such failure was due to no fault of GRANTEE. At the discretion of the STATE, any amount required to settle at minimum cost any irrevocable obligations properly incurred shall be eligible for reimbursement under this Agreement.
- e. Final payment to GRANTEE may not be made until the STATE determines the Project conforms substantially to this Agreement.

#### 9. Hold Harmless

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

10. Tort Claims

FEDERAL:

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

STATE:

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

11. Nondiscrimination

The State of California prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, sex, marital status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. GRANTEE shall not discriminate against any person on any of these bases.

12. Conflict of Interest

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

13. Incorporation

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

14. Severability

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

15. Waiver

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

16. Assignment

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

ADDENDUM – CALIFORNIA CLIMATE INVESTMENTS (CCI) GRANT PROJECTS

**I. SPECIAL PROVISIONS**

1. Grant funds shall be used on projects with the primary goal of reducing greenhouse gases (GHGs) and furthering the purposes of California's Global Warming Solutions Act of 2006, Division 25.5 (commencing with Section 38500) of the Health and Safety Code, and related statutes.
2. Grant funds shall be used on projects limited to specific activities as described in CCI Grants Procedural Guides.
3. Greenhouse gas emissions must be calculated using the CARB Greenhouse Gas Quantification Methodology applicable to the grant program (<https://ww2.arb.ca.gov/resources/documents/cci-quantification-benefits-and-reporting-materials>).
4. Grantee shall report project and benefits information when requested by the State. This may include, but is not limited to, funding expended, acres treated, GHG emissions, trees planted, disadvantaged community benefits, energy/water savings, job creation, and other co-benefits.
5. Grantee shall maintain accurate and detailed records documenting project description, project location, and schedule, CCI dollars allocated, and leveraged funds throughout the duration of the project.
6. Failure of Grantee to meet the agreed upon terms of achieving required GHG reduction may result in project termination and recovery of funds.

**II. MONITORING AND REPORTING REQUIREMENTS**

All funds expended through CCI are subject to emissions reporting and requirements. Grantee is expected to provide the appropriate materials for completing program quantification methodology. Grantee shall use the current reporting template provided by the STATE. The reporting shall be submitted to the STATE no less frequently than quarterly. In addition, STATE may request additional information in order to meet current CARB reporting requirements. The requirements are available on the CARB CCI Quantification, Benefits and Reporting Materials webpage: <https://ww2.arb.ca.gov/resources/documents/cci-quantification-benefits-and-reporting-materials>.

### III. PROGRAM ACKNOWLEDGEMENT/RECOGNITION

1. All projects funded both fully and partially by the GGRF must clearly display, identify and label themselves as being part of the “California Climate Investments” program. The acknowledgement must contain the California Climate Investments and CAL FIRE logos as well as the following statement:

*“Funding for this project provided by the California Department of Forestry and Fire Protection as part of the California Climate Investments Program.”*

A draft of the acknowledgement must be approved by the STATE prior to publication. For stationary projects, acknowledgement may include, but is not limited to, a sign on the project site. For other project types, such as vehicles, equipment, and consumer-based incentives, acknowledgement is encouraged by using a decal, sticker or other signage.

Guidance on California Climate Investments logo usage, signage guidelines, and high-resolution files are contained in a style guide available at:

[www.caclimateinvestments.ca.gov/logo-graphics-request](http://www.caclimateinvestments.ca.gov/logo-graphics-request).

2. In addition, all projects funded both fully and partially by GGRF must contain the following statement in public announcements or press releases on said projects:

“SBC Fuel Reduction Maintenance Equipment is part of California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment– particularly in disadvantaged communities. The Cap-and-Trade program also creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and much more. At least 35 percent of these investments are located within and benefiting residents of disadvantaged communities, low-income communities, and low-income households across California. For more information, visit the California Climate Investments website at: [www.caclimateinvestments.ca.gov](http://www.caclimateinvestments.ca.gov).”

California Department of Forestry and Fire Protection (CALFIRE)  
California Climate Investments  
Fire Prevention Program Grant Application  
Fiscal Year 2019-20 Funding Opportunity



Please request a Project Tracking # for each separate application by following the instructions for the 2019-20 CCI Grant Guidelines on the [Fire Prevention Grants Web Page](#). Submit the application and all supporting materials to the [www.box.com](#) folder assigned to your tracking number **no later than 3:00pm PST on December 4, 2019**. Please note: Items marked in red are required.

1. **Project Tracking #:** 19-FP-SBC-2015 CalMapper ID: [redacted]

Project Name/Title: SBC Fuel Reduction Maintenance Equipment

County: Santa Barbara

CAL FIRE Unit/Contract County (Please use this 3-letter Unit Identifier for file naming. See Question 14): SBC - Santa Barbara County

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

If Non-Profit, are you a registered 501(c)(3)?  Yes  No

3. **Sponsoring Organization:** Santa Barbara County Fire Department

**Project Manager**

Title: Vegetation Management Officer

First Name: Vince Last Name: LaRocco

Address Line 1: 4410 CATHEDRAL OAKS ROAD

Address Line 2: [redacted]

City: SANTA BARBARA State: California Zip Code: 93110

Phone Number: (805) 451-0161 Secondary Phone Number: [redacted]

Email Address: Vince.LaRocco@sbcfire.com Fax Number: (805) 681-5563

Tracking #: 19-FP-SBC-2015

Project Name: SBC Fuel Reduction Maintenance Equipment



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, 2024. Note that final billing is due 30 days after project completion. Please use MM/DD/YYYY format.

Project Start Date: 09/01/2020 Project Completion Date: 03/14/2024

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 the list of [Communities at Risk](#) on the Office of the State Fire Marshal web page.

Yes  No

Number of Communities in the project area: 24

9. **Disadvantaged/Low Income Community:** Is the project associated with a low-income community that is listed as a Community at Risk? See the information on [Priority Population Investments](#) on the California Air Resources Board web page.

Yes  No

If Yes, select all that applies:

Disadvantaged  Low Income  Both  Buffer Zone

Tracking #: 19-FP-SBC-2015

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Project Name: SBC Fuel Reduction Maintenance Equipment

**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 700 characters.)**

Fuel breaks and reduced fuel loading areas allow firefighting personnel and equipment to more safely access areas to to preform fire suppression activities. Chipping equipment is designed to chip/shred the treated vegetation in place and via worker action, leaves an evenly-distributed layer of mulch spread over the treated area. Most areas immediately resprout and this young vegetation continues to grow and sequester carbon. Continued maintenance of fuel and roadside treatments are intended to protect communities, reduce the number of ignitions, and limit the size and intensity of fire occurrences. Long-term reduction in GHG is accomplished through reduction in acres burned over time.

**11. Federal Responsibility Area:** Does your project/activity include work on Federal Lands that might require NEPA, or use a framework similar to Good Neighbor Authority?

Non-Tribal Lands:     Yes     No    If yes, how many acres?

Tribal Lands:     Yes     No    If yes, how many acres?

**12. Project Area Statistics:** For all projects, provide an estimate of the Project Influence Zone (PIZ) acres and the Treatment Influence Zone (TIZ) acres.

**PIZ** - The Project influence Zone (PIZ) is the broad geographic area encompassing the neighborhoods or communities that the grant proposal is designed to protect with fuel reductions, public education, or planning activities. This can be the sum of all treatment areas or could include a buffer area around the planning/public education target. Please keep the PIZ from encompassing an overly large area, unless benefits are clearly defined in the Scope-of-Work.

**TIZ** - Treatments are areas within a PIZ, where on-the-ground activities are accomplished (e.g. hazard fuel reductions, shaded fuel breaks, masticating, etc.). There can be multiple discrete Treatment areas associated with a PIZ. Some projects (e.g. Planning & Public Education) may NOT have treatment areas.

	LRA	FRA	SRA
Project Influence Zone (PIZ)	1,000.00	2,000.00	6,500.00
Treatment Influence Zone (TIZ)	1,000.00	2,000.00	6,500.00

Tracking #: 19-FP-SBC-2015

Project Name: SBC Fuel Reduction Maintenance Equipment

13. **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 (\$)	179,000.00

14. **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.**

- CAL FIRE Unit Strategic Fire Plan
- Homeowners' Association Plan
- Fire Safe Council Action Plan
- County Fire Department Strategic Fire Plan
- Local Fire Department Plan
- FIREWISE Community Assessment
- Other Local Plan (Identify in Scope of Work)
- Local Hazard Mitigation Plan
- Community Wildfire Protection Plan

15. **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"):

Not Applicable

Document Identification Number:

Tracking #: 19-FP-SBC-2015

Page 4 of 5

Project Name: SBC Fuel Reduction Maintenance Equipment

**16. 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**.

Use the table below as a tool to make sure you have all documents ready prior to submitting the application.

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

Attachments	File Name
<input checked="" type="checkbox"/> Application Form (.pdf)	19-FP-SBC-2014-Application.pdf
<input checked="" type="checkbox"/> Scope of Work (.doc)	19-FP-SBC-2014-SOW.doc
<input checked="" type="checkbox"/> Project Budget (.xls)	19-FP-UUU-XXXX-Budget.xls
<input checked="" type="checkbox"/> Project Map (.pdf)	19-FP-UUU-XXXX-MAP.pdf
<input type="checkbox"/> Articles of Incorporation (.pdf) - Applies to Non-Profits only	19-FP-UUU-XXXX-AOI.pdf
<input checked="" type="checkbox"/> NIFC/Mapping	<a href="#">Create a Geo Point &amp; Polygon</a> web link

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

  
**Original Signature Required: Grantee's Authorized Representative**

12/3/19  
**Date Signed**

Rob Heckman  
**Printed Name**

Deputy Fire Chief  
**Title**

Executed on: 12/3/19 at Santa Barbara  
**Date City**

Please fill out this form completely. Be sure to save a copy of this form and all attachments for your records. Submit the application and all supporting materials to the www.box.com folder assigned to your tracking number **no later than 3:00pm PST on December 4, 2019**. Please submit the documents as early as possible to avoid unanticipated issues. **Applications submitted or modified on the www.box.com folder after this date will be considered late.** Access to www.box.com after the due date may be revoked.

Tracking #: 19-FP-SBC-2015

Project Name: SBC Fuel Reduction Maintenance Equipment



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



**Project Name: SBC Fuel Reduction Maintenance Equipment**

**Project Tracking Number:** 19-FP-SBC-2015

**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).

This project is to acquire funding to allow the Santa Barbara County Fire Department (SBCFD) to purchase the following equipment to support the department's fuel reduction projects and new fuels crew module:

1. One Chipper
2. One Tow Vehicle
3. One Skid-Mount Pump w/Tank

The Santa Barbara County Fire Department is a Contract County that protects over 720,000 acres of SRA, the second most acres of the six contract counties. This equipment will be utilized throughout Santa Barbara County on current and new fuel reduction projects identified in the Santa Barbara County Unit Fire Plan, and consistent with the California Fire Plan. Santa Barbara County Fire has 25 fuel reduction and VMP projects in either maintenance or in current implementation. Used in concert with existing capabilities, this equipment will be used on these fuel treatment projects by our new 10 person fuels crew and our two Fire Crews, which were increased to 20 person modules this past year. The new fuels crew, bolstered Fire Crews, and this new chipper would allow our three (3) crews to work on separate projects throughout the county. This ability to work on multiple projects would benefit all residences within the County. Acres maintained annually will vary widely due to weather conditions and the length and severity of our annual fire season. All of SBCFD's projects are coordinated efforts involving private landowners, wildland fire agencies, and non-profit groups including the Fire Safe Council and the Range Improvement Association.

The planned application for each piece of equipment is as follows:

- SBCFD currently has only one chipper of this size and style. That existing chipper will be used exclusively on our current large scale fuel reduction project in the Lompoc Valley which will encompass approximately 2500 acres of treated fuel beds over the next three years.
- The anticipated use of the requested second chipper will be for the ongoing maintenance and implementation of 6454 acres and 283 miles of fuel treatments mentioned above. This new chipper will be used by SBCFD hand crews conducting neighborhood ongoing existing fuel break maintenance, chipping programs, annual roadside clearance and defensible space clearing.
- The tow vehicle will be used by the Department for hauling the chipper requested by this application, as well as other small fuel reduction items. SBC crew vehicles are limited and aging. The one tow vehicle use for hauling our current chipper will be dedicated to

current fuels projects and unavailable for the purpose of ongoing annual treatment maintenance.

- The skid-mount pump with tanks will be installed in the tow vehicle for the sole purpose of knocking down and extinguishing any fire that is accidentally started by the crew doing maintenance work. This vehicle will not be used for any front-line firefighting nor will it be used as a reserve or back-up resource for front-line equipment.

## **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?

### **Section 2: Planning Projects**

- ~~1. Describe the geographic scope of the project, including the communities that will benefit, and an estimate of the number of structures within the project area.~~
- ~~2. Describe how the project will assess the risks to residents and structures in the WUI and prioritize projects to reduce this risk over time.~~
- ~~3. Does the proposed plan add or build upon previous wildfire prevention planning efforts in the general project area?~~
- ~~4. Identify a diverse group of key stakeholders, including local, state, and federal officials where appropriate, to collaborate with during the planning process. Discuss how the project proponent plans to engage with these targeted stakeholders.~~
- ~~5. Describe the pathways for community involvement that will be incorporated in the planning process.~~

### **Section 3: Education**

- ~~1. Describe the specific message of the education program and how it relates to reducing the risk of wildfire to owners of structures in the WUI.~~
- ~~2. Describe the target audience of the education program and how information will be distributed to this audience.~~

- ~~3. Will the education program raise the awareness of homeowner responsibilities of living in a fire prone environment?~~
- ~~4. Identify specific actions being advocated in the education material that is expected to increase the preparedness of residents and structures in the WUI for wildfire.~~
- ~~5. Describe the expected outcome of the education in terms of increased or changed public awareness about wildfire.~~

Answer only 1 set of questions from above, depending on your project; Fuel Reduction, Planning or Education. (Please type in blank space below. Please note there is no space limitations).

1. The geographic scope of this project is the 720,000 acres of SRA that the Santa Barbara County Fire Department protects as a contract county. There are roughly 159,000 homes in Santa Barbara County. The majority of these homes and areas of Santa Barbara County will benefit from the use of this chipper. In recent years, large wildfires have affected all areas of the county. The Fire Department's fuel reduction projects include roadside maintenance, fuel breaks prescribed fire, and neighborhood chipping. The Fire Department has 283 miles of roadside and fire road maintenance, and 6,454 acres of overall treatments identified in the Unit Fire Plan. These treatments benefit the rural communities of Tepusquet, Santa Ynez, Los Alamos, the Gaviota coast as well as the WUI areas of Orcutt, Mission Hills, Vandenberg Village, Buellton, Goleta, Mission Canyon, Santa Barbara, Montecito, Summerland and Carpinteria..
2. The primary goals and objectives of this grant are to utilize the additional Fire Crew and additional Fire Crew personnel more efficiently in the maintenance our existing fuel treatments, community defensible space and roadside clearance. This additional equipment will enhance the protection of lives, property and natural resources from wildland fire, as well as improve environmental resilience to wildland fire through government and community collaboration.  
Objectives developed to accomplish the above goal are:
  - a. Improve defensible space for communities in the event of a wildland fire
  - b. Maintain reduction of fuel loading of volatile fuels
  - c. Improve access and egress routes in the event of a large wildland fire
  - d. Create a fuel breaks and areas of opportunity for firefighters to reduce the size of a resultant fire
  - e. Improve safe separation for firefighters between homes in the communities and oncoming wildland fires
3. The proposed project will reduce the risks associated with wildfire to habitable structures in the WUI by reducing fuel throughout the entire county. Santa Barbara County is prone to large wildland fires. Notable fires include the Painted Cave, Zaca, White, Alamo, Thomas, Gap, Jesusita, Tea, Sherpa and Whittier Fires. The majority of the fires in the county are related to human activity and 82% of ignitions occur along the county's roads and highways. The risks associated with wildfire to habitable structures in the WUI will be reduced because existing fuel reduction projects where this equipment will be used are designed to implement fuel reduction projects along roads, within WUI zones (defensible space), adjacent to WUI zones and ridgetop fuel breaks.
4. Additional assets at risk to wildfire that will benefit from the use of this chipper include Southern California Edison and PG&E transmission lines, remote communications

transmission sites (microwave and cell towers), the rural communities listed above in item #1 and various infrastructure that is threatened by extensive fuel beds. Various municipal water districts also have reservoirs, structures and other assets which have been impacted by large wildfires. These water district resources will also benefit from the treatments that result from the increased crew capacity and ability to conduct work with this chipper.

5. Yes. The scale of the project appropriate to achieve the stated goals, objectives and outcomes discussed in Item 2 above. With the only current department chipper dedicated to high priority new fuel reduction projects, the addition of another chipper is critical for the annual upkeep of existing breaks, roadsides and defensible space.
6. Chipping equipment is designed to shred the treated vegetation which will be left in an evenly-distributed layer of mulch spread over the treated area. Most areas immediately re-sprout and this young vegetation continues to grow and sequester carbon. A biomass facility will not be utilized in conjunction with this equipment.

## **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).

Use of this equipment for our stated purpose is consistent with the goals and objectives of the California Strategic Fire Plan, the SBC Unit Fire Plan, and CWPP's of the local agencies and associations who are cooperating stakeholders. The projects maintained and implemented by the Fire Department's fuels and Fire Crews reduce the risk of wildfire to multiple communities and seek to protect the environment by reducing the size of wildland fires in a fire prone area.

## **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).
  1. The location of the Fire Department's fuel reduction activities are located in high or very high fire hazard severity zones. The fuel reduction projects that are implemented and maintained by the chipper requested in the grant will benefit communities in the high, or very high fire hazard severity zone as identified by the latest Fire and Resource Assessment Program maps.
  2. Existing project sites are located throughout the County. All of the project maintenance locations are within or adjacent to WUI communities with the vast majority being in SRA



jurisdiction. All locations have been established as high risk areas according to local CWPP's and the Unit Fire Plan.

#### **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).

1. In-kind costs associated with this equipment include the staffing for planning, implementation, and maintenance of the fuel reduction projects where this equipment will be used. Additional in-kind costs will be the ongoing fuel use, supplies and maintenance of the chipper. SBC will also incur costs associated with the tow vehicle such as fuel, periodic maintenance and all repairs. Lastly, SBC will pay for the skid-mount pump and tank that will cost approximately \$25,000 to \$30,000.
2. All fuel reduction projects where this equipment will be used are CEQA compliant and documented in the Unit Fire Plan and local CWPP's, which are available to the public on-line. For individual fuel reduction projects, road signage, door-to-door explanations, community meetings, news releases, and various social media outlets such as Twitter are all used to document fuel reduction activities.
3. With proper use and maintenance of the chipper and tow vehicle by SBC, it is expected that the lifespan of this heavy-duty, industrial chipper will provide 10 to 12 years of fuel reduction service.
4. This equipment will be deployed on strategic fire hazard abatement projects in cooperation with all fire agencies within the County as well as with local neighborhood associations and our local Fire Safe Council. The county of Santa Barbara has multiple fire agencies who conduct annual WUI roadside and defensible space chipping projects. Most often, local agencies will combine resources to accomplish these projects in a timely manner. This chipper will be a part of that combined service to the community.

#### **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, 2024 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).

1. This equipment will be available year-round, but will be most heavily used outside of the peak fire season which is typically from mid-June through the end of September. This chipper will be used throughout winter and early spring when the public is encouraged via media and engine contact to continue and complete their defensible space clearing. SBCFD hand crews will complete ongoing fire break maintenance year-around when not responding to wildland emergencies.
2. This project, consisting of three equipment purchases, will be completed within several months of receiving the award. The fuel reduction projects throughout the County where this equipment will be deployed will continue indefinitely. This equipment will contribute to more timely maintenance of strategic fuel treatments which will reduce the fire hazard throughout the county.
3. SBC must balance the maintenance of existing fuel breaks along with the completion of new fuel reduction projects. Our newest and largest fuel reduction project (Lompoc Valley Fuel Reduction Project) has begun and will utilize a new "fuels crew" and existing chipper that will be dedicated to that project. It is also probable that contract crews will be used to assist in the Lompoc Valley project. This will free up our full-time fire hand crews to be utilized for ongoing fuel reduction maintenance. The milestones used to measure progress for this chipper include annual completion of fuel break maintenance and early spring defensible space and neighborhood outreach programs including roadside clearance, driveway clearance and community chipping programs.
4. All fuel reduction projects are documented in the County CWPP and Unit Fire Plan and mapped with GIS mapping. SBC completes project mapping via the ???? program.  
Do we track annual completion of fuel break maintenance and early spring defensible space and neighborhood outreach programs including roadside, driveway clearance and community chipping programs?
5. CEQA is not applicable to this equipment purchase. The equipment will be deployed on fuel reduction projects and defensible space areas that do not required or have already complied with CEQA.

## **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).

1. SBCFD Fire Crew has extensive experience with chippers, additionally we have owned one chipper of this model for 2 years. This model chipper has been used by department personnel in the implementation and maintenance of fuel reduction projects and chipping programs. SBCFD is highly aware of the applicability and capabilities of this piece of equipment and its use is critical for the efficient completion of fuel reduction and DSP projects. This equipment will be used in cooperation with other fire agencies, neighborhood associations and the Fire Safe Council.
2. Detailed records of all activities involving fuel reduction projects, maintenance, and community programs are maintained by the SBC Hand Crew Superintendent and department finance section at SBC headquarters.

## **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).

1. This new chipper and tow vehicle will be used by SBC hand crews conducting neighborhood ongoing fuel break maintenance, chipping programs, annual roadside clearance and defensible space clearing. With the expectation that project maintenance has become an ongoing process, SBC has established 5-year budget plans that are renewed each year and which evaluate the needs for replacement of chippers and other large cost fuel reduction equipment. This chipper will be maintained and replaced as needed through the annual department budget process. The tow vehicle will be a part of our fleet inventory with monthly charges that will include fuel, periodic maintenance and eventual replacement over a 7 to 10 year time frame.
2. Cost for this piece of equipment is considered reasonable. This equipment will be used to maintain fuel reduction projects which are commonly measured on a per-acre basis. The per-acre cost to the grant for the acres treated with this equipment is expected to be significantly lower than all other types of available debris transport or destruction (burn piles). The use of a chipper is much more efficient and environmentally friendly than any other means of disposal. As stated earlier, in most cases, chipped vegetative material will be arranged in an evenly-distributed layer of mulch spread over the treated area. There are no costs identified as being higher than normal.
3. The total cost of the chipper and vehicle is extremely appropriate when the history of large fires in the county is considered. When purchased, the chipper will augment the new capabilities of our new fuel and bolstered Fire Crews. The resulting benefit is multi-faceted. The chipper and vehicle complements the current cost of SBC staff in implementing and conducting ongoing annual maintenance of fuel breaks, defensible space areas, roadside clearing and neighborhood chipping programs.
4. Indirect costs include the following:
  - a. Logistics Section staff time to process bids
  - b. Operations Division staff time to drive to vendor in Los Angeles for purchase and retrieval
  - c. Ongoing fuel, maintenance and replacement costs of all equipment
  - d. Finance Section staff time to process payment.
  - e. Any unexpected costs not anticipated in the purchase or maintenance of the chipper over the life of the grant.
5. EQUIPMENT –
  - Chipper, 2019 Morbark Eger Beaver 1821 - \$94,000 (price + tax)  
This equipment will provide an efficient, cost effective means of disposing of brush and debris that is cleared from old existing fuel breaks requiring clearance to maintain their effectiveness. This model chipper will have the latest safety and fail safe devices to provide for the safety of personnel. This means of debris disposal will be more cost efficient and environmentally friendly than any other type of disposal.
  - Tow Vehicle: Dodge RAM 4500, diesel, 4-wheel drive with utility bed – \$85,000 (price + tax)

This This vehicle will be used by the Department for hauling the chipper requested by this application, as well as well as other small fuel reduction items. No other vehicle with the required towing capacity is currently available for the new chipper, if awarded. Other possible vehicles would include station utilities (pickups) that would be underpowered and potentially unsafe for this purpose. Towing a heavy chipper with a typical pickup utility would certainly shorten the lifespan of the utility vehicle.

- Skid-Mount Pump with Tank - \$30,000 (price + tax)

This piece of equipment is to insure that any inadvertent fire start resulting from fuel reduction maintenance is rapidly controlled and extinguished. Rapid extinguishment of any initial attach fire provides for personnel safety, prevents property loss and minimizes greenhouse gases. The cost of this equipment will be paid by SBC as cost-share.

## **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).

1. The equipment purchased under this grant will be used to maintain strategic fuel reduction treatments throughout the County as identified in the County CWPP. These activities will result in smaller, less destructive fires thereby protecting the surrounding wildlife, watersheds and the environment and will reduce Greenhouse Gas emissions over the long term.
2. This equipment will be used though out the county of Santa Barbara. Rural communities of Sisquoc, Tepusquet, Santa Ynez, Los Alamos, and the Gaviota coast as well as the WUI areas of Orcutt, Mission Hills, Vandenberg Village, Buellton, Goleta, and Mission Canyon will all benefit from ongoing fuel reduction maintenance.
3. Reducing the number, size, and severity of wildfires over time will provide many benefits including:
  - a. Reduced structure loss
  - b. Reduced GHG emissions
  - c. Improved air quality
  - d. Reduced injuries and deaths resulting from wildfire events

- e. Reduced soil erosion
  - f. Improved forest health and resiliency
  - g. Reduced suppression costs
  - h. Protection of important natural resources and habitat
4. The reduction of Greenhouse Gas emissions has already begun and will increase as fuel reduction projects are completed and successfully reduce the number, size, and severity of wildfires. Multiple smaller fires have occurred in our county where fuel reduction treatments and defensible space have assisted in reducing the size and intensity of fires that had significant potential. Ongoing maintenance of existing fuel breaks using this equipment is critical in our mission to continue and expand the benefit of keeping wildland fires small.

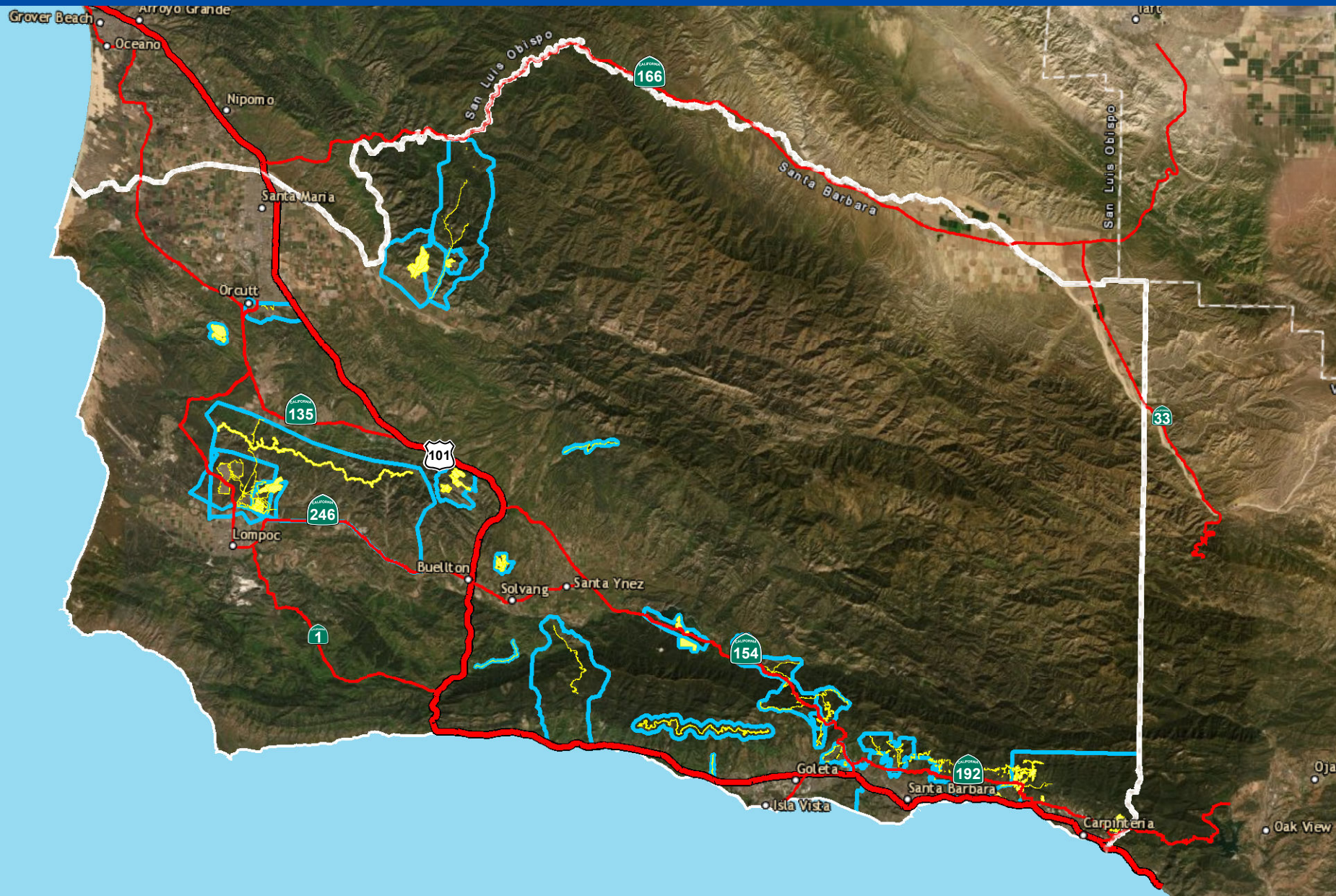
**Project Budget**



Project Name: SBC Fuel Reduction Equipment

Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
<b>A. Salaries and Wages</b>											
		0	Hours	\$ -	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%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Salaries and Wages:								\$ -	\$ -	\$ -	\$ -
<b>B. Employee Benefits</b>											
		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%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Employee Benefits:								\$ -	\$ -	\$ -	\$ -
<b>C. Contractual</b>											
		0	Report	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Acres	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Miles	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Contractual:								\$ -	\$ -	\$ -	\$ -
<b>D. Travel &amp; Per Diem:</b>											
		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:								\$ -	\$ -	\$ -	\$ -
<b>E. Supplies</b>											
		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:								\$ -	\$ -	\$ -	\$ -
<b>F. Equipment</b>											
	Chipper - Morbark 1821	1	Each	\$ 94,000	100%	0%	0%	\$ 94,000	\$ -	\$ -	\$ 94,000
	Tow Vehicle - Dodge RAM 4500	1	Each	\$ 85,000	100%	0%	0%	\$ 85,000	\$ -	\$ -	\$ 85,000
	Skid-Mount Pump w/Tank	1	Each	\$ 30,000	0%	100%	0%	\$ -	\$ 30,000	\$ -	\$ 30,000
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Equipment:								\$ 179,000	\$ 30,000	\$ -	\$ 209,000
<b>G. Other Costs</b>											
		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								\$ -	\$ -	\$ -	\$ -
<b>Total Direct Costs</b>								\$ 179,000	\$ 30,000	\$ -	\$ 209,000
Indirect Costs (Exclude Equipment)							0%	\$ -		\$ -	
<b>Total Project Costs</b>								\$ 179,000	\$ 30,000	\$ -	\$ 209,000
Less Program Income								\$ -		\$ -	
<b>Total Grant Proposed Costs</b>								\$ 179,000	\$ 30,000	\$ -	\$ 209,000



# Santa Barbara County Fire Department 19-FP-SBC-2015 - SBC Fuel Reduction Maintenance Equipment



- Legend**
-  Fuel Treatments
  -  Project Boundary

