



DEPARTMENT OF FORESTRY AND FIRE PROTECTION

P.O. Box 944246
 SACRAMENTO, CA 94244-2460
 (916) 653-7772
 Website: www.fire.ca.gov



October 25, 2021

Brian Carthan
City of Oakland Public Works
7101 Edgewater Drive
Oakland, CA 94621

5GG20119; Skyline Blvd Evacuation Route

This Agreement cannot be considered binding on either party until approved by appropriate authorized CAL FIRE designee. No services should be provided prior to approval, as the State is not obligated to make any payments on any Agreement prior to final approval. FAILURE TO RETURN ALL DOCUMENTS BY DATE BELOW MAY RESULT IN LOSS OF FUNDING.

Please contact Ed Orre at (408) 206-3704 if you have questions concerning services to be performed.

- Full grant agreement including terms and conditions, project grant application form, scope of work, budget, map, and other exhibits enclosed. Please sign, scan, and return the agreement to Aaron Sabin at Aaron.Sabin@fire.ca.gov no later than **January 3, 2022.**

Alternatively, you may opt to print (single sided), sign in blue ink, and return the agreement with original signature to:
 CAL FIRE

Attn: Grants Management Unit/FP Grants
 P.O. Box 944246
 Sacramento, CA 94244-2460

In order to expedite your agreement, a scanned/electronic signature copy of the agreement is preferred.

In addition, the following completed documents are required before we can execute your agreement:

- **Please sign the application on page 20 of the attached agreement.**
- **Signed and dated Resolution that identifies a designee to sign all project related documentation.**

- Enclosed for your record is one fully executed copy of the agreement referenced above. When billing for services performed under this agreement, your invoices must reference the agreement number above and be submitted to the contract manager.

Thank you,

Aaron Sabin
 Grants Analyst
 Grants Management Unit

CC: Ed Orre
 CNR Grants
 Stella Chan

Enclosures

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

APPLICANT: City of Oakland Public Works
PROJECT TITLE: Skyline Blvd Evacuation Route
GRANT AGREEMENT: 5GG20119

PROJECT PERFORMANCE PERIOD is from Date Upon Approval through March 15, 2025.

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 Department of Forestry & Fire Protection, agrees to fund the project up the total state grant amount indicated.

PROJECT DESCRIPTION: Removal of trees along a 7.5 mile stretch of Skyline Boulevard between Shepherd Canyon Road and Keller Road in Oakland, California to reduce the potential for blocked access and create a significant fuel break along the corridor. Project area will take place approximately 50 to 100 feet on each side of the road plus the forested median. The Skyline evacuation route serves a 15,333-acre area with 23,631 structures and a population of 57,708 people.

Total State Grant not to exceed \$ 224,000.00 (or project costs, whichever is less).

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

City of Oakland Public Works <hr/> Applicant By _____ Signature of Authorized Representative Title _____ Date _____	STATE OF CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION <hr/> By _____ Title: Mike Richwine, State Fire Marshal Date _____
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CERTIFICATION OF FUNDING

GRANT AGREEMENT NUMBER 5GG20119	PO ID	SUPPLIER ID 0000011772
FUND 3228	FUND NAME Greenhouse Gas Reduction Fund	
PROJECT ID N/A	ACTIVITY ID N/A	AMOUNT OF ESTIMATE FUNDING \$ 224,000.00
GL UNIT N/A	BUD REF 101	ADJ. INCREASING ENCUMBRANCE \$ 224,000.00
PROGRAM NUMBER 2470010	ENY 2020	ADJ. DECREASING ENCUMBRANCE \$ 0.00
ACCOUNT 5340580	ALT ACCOUNT 5340580000	UNENCUMBERED BALANCE \$ 224,000.00
REPORTING STRUCTURE 35405909	SERVICE LOCATION 96150	

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, City of Oakland Public Works, hereinafter referred to as “GRANTEE”.
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as “GRANT FUNDS”) not to exceed Two Hundred Twenty Four Thousand Dollars (**\$224,000.00**).
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 Procedural Guide FY 2020-2021 and FY2021-2022
 - b. The submitted Application, Scope of Work, Project Budget Workbook, GHG Emissions Workbook and Exhibits
 - c. Addendum – California Climate Investments (CCI) 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 5GG20119.
- 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: City of Oakland Public Works
Section/Unit: SCU - Santa Clara Unit	Section/Unit: N/A
Attention: Ed Orre	Attention: Brian Carthan
Mailing Address: 15670 Monterey Rd., Morgan Hill, CA 95037	Mailing Address: 7101 Edgewater Drive Oakland CA, 94621
Phone Number: (408) 206-3704	Phone Number: (510) 615-5510 Secondary: N/A
Email Address: Edgar.Orre@fire.ca.gov	Email Address: bcarthan@oaklandca.gov

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 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 Fire Prevention Program Procedural Guide FY 2020-2021 and FY2021-2022.
- 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 electronically to both the appropriate CAL FIRE Project Representative as identified in Item 2 and

Northern Region Email Address (CNRGrants@fire.ca.gov). Hard copy submissions will not be accepted.

- 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.
 - 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 Fire Prevention 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.
- 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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. 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.
4. 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.
5. 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’s Fire Prevention Program 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.

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:

“Skyline Blvd Evacuation Route, 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.”

California Department of Forestry and Fire Protection (CALFIRE)
California Climate Investments
Fire Prevention Program Grant Application
Fiscal Year 2020-21/2021-22 Funding Opportunity



Please request a Project Tracking # for each separate application by following the instructions in the 2020-21/2021-22 CCI Grant Guidelines on the [Fire Prevention Grants Web Page](#). Submit the application and all supporting materials to the SharePoint folder assigned to your tracking number **no later than 3:00pm PDT on May 19, 2021**. Grant awards are contingent upon appropriation from the [California Climate Investments](#), or other fund source, with up to \$165 million being awarded. Please note: Items marked in red are required.

1. **Project Tracking #:** 20-FP-SCU-0244 CalMapper ID: [redacted]

Project Name/Title: Skyline Blvd Evacuation Route

County: Alameda

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

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

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

3. **Sponsoring Organization:** City of Oakland Public Works
Project Manager

Title: Parks and Trees Manager

First Name: Brian Last Name: Carthan

Address Line 1: 7101 Edgewater Drive

Address Line 2: Building 2

City: Oakland State: California Zip Code: 94621

Phone Number: (510) 615-5510 Secondary Phone Number: [redacted]

Email Address: bcarthan@oaklandca.gov Fax Number: (510) 927-2658

Tracking #: 20-FP-SCU-0244

Project Name: Skyline Blvd Evacuation Route

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, 2025 or March 15, 2026, depending on the source of the funds awarded. Note that final billing is due 30 days after project completion. Please use MM/DD/YYYY format.

Project Start Date: 11/01/2021 Project Completion Date: 03/31/2024

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: 1

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 #: 20-FP-SCU-0244

Project Name: Skyline Blvd Evacuation Route

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.)

Skyline Blvd is a major evacuation route for residents in the Oakland Hills with a significant number of dead/dying trees and trees with potentially hazardous branches within striking distance that could cause catastrophic road closure during a wildfire event, affecting both emergency personnel attempting to control fire and the 57,708 residents who need to evacuate the area. The project area is immediately adjacent to the SRA. Mitigating these hazards will reduce fire spread (and GHG release) and potential harm to life, utilities, and structures, including 23,631 residential homes. Additionally, 150 oak trees will be planted in the project area to provide shaded fuel breaks and GHG benefits

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)	15,333.00		
Treatment Influence Zone (TIZ)	218.00		

Tracking #: 20-FP-SCU-0244

Project Name: Skyline Blvd Evacuation Route

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 (\$)	224,000.00

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"):

Notice of Exemption

Document Identification Number: pending

16. Have you applied for or received any other CAL FIRE Grants for this project?

- Yes No

If yes, please identify the other CAL FIRE grant program and how the additional grant will be or is being applied to this project.

Tracking #: 20-FP-SCU-0244

Page 4 of 5

Project Name: Skyline Blvd Evacuation Route

17. 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)	20-FP-SCU-0244-Application.pdf
<input checked="" type="checkbox"/> Scope of Work (.doc)	20-FP-SCU-0244-SOW.doc
<input checked="" type="checkbox"/> Project Budget (.xls)	20-FP-SCU-0244-Budget.xls
<input checked="" type="checkbox"/> Project Map (.pdf)	20-FP-SCU-0244-MAP.pdf
<input type="checkbox"/> Articles of Incorporation (.pdf) - Applies to Non-Profits only	
<input checked="" type="checkbox"/> Mapping	Create a Geo Point & Polygon web link

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


Original Signature Required: Grantee's Authorized Representative


Date Signed


Printed Name


Title

Executed on:  at 
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 SharePoint folder assigned to your tracking number **no later than 3:00pm PDT on May 19, 2021**. Please submit the documents as early as possible to avoid unanticipated issues. **Applications submitted or modified in the SharePoint folder after this date will be considered late.** Access to SharePoint after the due date may be revoked.

Tracking #: 

Project Name: 



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



Project Name: Skyline Boulevard Evacuation Route

Project Tracking Number: 20-FP-SCU-0244

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

The project will take place in the public right of way along Skyline Boulevard between Shepherd Canyon Road and Keller Road in Oakland, CA, within a Very High Fire Severity Zone designated by Cal Fire. This general area of the city is commonly referred to as the Oakland Hills. It is defined by dense forest canopy, forested parkland, undeveloped lots, single-family homes, meandering narrow roads, and steep slopes. The topography and winding street layouts make egress and ingress difficult. Skyline Boulevard is one of the main evacuation routes because it is one of the few uninterrupted roads with two or more defined traffic lanes traversing the ridgeline. The trees on this stretch of roadway have presented historical challenges with falling during wind events and blocking traffic, along with blocking emergency access throughout the corridor. Removal of these trees will significantly reduce the potential for blocked access and create a significant fuel break along this corridor for any north-wind driven fire that ignites southeast of the City of Oakland but threatens residents of the East Oakland Hills. The project area will take place along approximately 7.5 miles of Skyline Boulevard, approximately 50 to 100 feet on each side of the road, plus the forested median that runs through the middle of the traffic lanes. The Skyline evacuation route serves a 15,333-acre area with 23,631 structures and a population of 57,708 people.

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).

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

1) Geographic scope of the project

The project will take place in the public right-of-way along Skyline Boulevard between Shepherd Canyon Road and Keller Ave in Oakland, CA. This general area of the city is commonly referred to as the Oakland Hills and is defined by dense forest canopy, forested parkland, undeveloped lots, single family homes, meandering narrow roads, and steep slopes. The topography and winding street layouts make egress and ingress difficult. Skyline Boulevard is one of the main evacuation routes because it is one of the few uninterrupted roads, and the only road that has two traffic lanes going in each direction.

The project area will take place along approximately 7.5 miles of Skyline Boulevard, approximately 50 to 100 feet on each side of the road, plus the forested median that runs through the middle of the traffic lanes. The Skyline Boulevard evacuation route serves the neighborhoods of Chabot Park, Sequoyah, Caballo Heights, Skyline-Hillcrest Estates, Crestmont, Woodminster, Piedmont Pines, Shepherd Canyon, Montclair, Montclair Business, Oakmore, Lincoln Highlands, Forestland, Merriwood, Upper Rockridge, and Glen Highlands, Upper Diamond, Redwood Heights, Mills College, Millsmont, Eastmont Hills, and Sheffield, which are home to a combined total of 23,631 structures and a population of 57,708 people.

2) Goals, objectives, expected outcomes

The goals of this project include:

- Reduce public and fire personnel casualties in the event of a fire in the Oakland Hills.
- Reduce the risk of a potential Oakland Hills fire from reaching catastrophic proportions.
- Reduce the loss of property and infrastructure in the event of a fire in the Oakland Hills
- Reduce environmental damage by reducing fire intensity.
- Reduce firebrands from Monterey pines and eucalyptus trees in an event of a fire.

The objectives of this project include:

- Protect the Skyline Boulevard fire evacuation route by removing approximately 250 dead, dying, and/or hazardous mature trees from the sides and median of the road.
- Protect the Skyline Boulevard fire evacuation route by pruning and raising tree branches away from the road when tree removal is not an appropriate remedy.
- Plant 150 oak trees in appropriate locations as shaded fuel breaks along the Skyline Boulevard fire evacuation route to discourage the growth of tall grasses and ladder fuels.

Expected outcomes of this project include:

- A substantial reduction in the amount of dead and hazardous trees within striking distance of the public right of way that can fall across or drop limbs across the Skyline Boulevard fire evacuation route.
- A substantial reduction in the chances of fire spreading from one side of the Skyline Boulevard fire evacuation route to the other side.
- A substantial reduction in the amount of overhead tree branches on the Skyline Boulevard evacuation route that could catch fire.

- A substantial reduction in the chances of impeded egress and ingress on the Skyline Boulevard evacuation route in the event of a wildfire evacuation.

3. Provide a clear rationale for how the proposed project will reduce the risks associated with wildfire to habitable structures in the Wildfire Urban Interface (WUI).

There are six Oakland Fire Department (OFD) stations in this region that use Skyline Boulevard as their means to travel across the Oakland Hills and reach fires. If Skyline Boulevard were blocked by a tree, tree branch, or fire during a fire emergency, this would hinder both residents from evacuating as well as hinder OFD from moving their resources into the scene of the fire. If OFD cannot access the fire, there is a greater chance that fire containment strategies will fail. Skyline Boulevard is also the main evacuation route across the Oakland Hills, which is a major means of evacuation to 18,889 homes and 57,708 residents.

There are thousands of mature trees within striking distance of the public right of way along this 7.5 mile stretch of Skyline Boulevard. These trees are mostly Monterey pine, as well as eucalyptus, black acacia, coast live oak, and other species. Many of the Monterey pines have reached the end of their lifespan, and/or are becoming victims of ongoing drought conditions. On average, 20 to 30 mature Monterey pines have been dying in the project area each year and this trend is accelerating in the face of ongoing drought conditions. It is not uncommon for these trees to lose limbs or uproot without warning and their removal has been an ongoing, incremental task for several years. In a major high wind event, it is not uncommon for numerous large trees to fall across the Skyline Boulevard, requiring several hours to clear the roadway. High wind events in this area are often linked to low humidity and red flag warnings, which set conditions for potential fire hazards.

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.

- The Woodminster Amphitheater is located within Joaquin Miller Park which has numerous access points for fire response from Skyline Boulevard., which runs through the eastern boundary of the park. This facility is an outdoor stage event venue with seating for 2000 people. Additionally, the Woodminster Amphitheater serves as an emergency shelter site and has an underground bunker with a 30-day food storage supply. The Joaquin Miller Community Center and Sanborn Ranger Station are also located here which host City functions and educational tours of the park.
- The Chabot Space & Science Center, (10000 Skyline Boulevard) an astronomy educational and NASA sponsored research facility is located within this project area

and may have as many as 500 employees, visitors and students present during its hours of operation and evening presentations.

- The East Bay Regional Parks District (EBRP) Trudeau Center (11500 Skyline Boulevard) is a local event and regional training facility within the project area, routinely used by public safety agencies for joint planning and training including Oakland Fire, CALFIRE, East Bay Regional Parks Fire & Police, Berkeley Fire and the East Bay Municipal Utilities District. This facility is also utilized by the public for civic event and meeting of up to 100 persons.
- The Anthony Chabot Equestrian Center (14600 Skyline Boulevard) is located within the project area and provides stables for up to 50 horses. This project would benefit this facility and its emergency evacuation planning by reducing the fire threat to its egress routes.
- Skyline High School is located at 12250 Skyline Boulevard and has a daily staff and student population of up to 2000. This project will directly benefit the preservation of the school infrastructure and support the safe evacuation of the students.
- Within the project area is the Sunrise of Oakland Hills senior housing and care facility. It is located at 11889 Skyline Boulevard, and is home to over 150 senior citizens, many of whom are non-ambulatory. This project will directly benefit the residents of this elder care facility and aid with its evacuation preparedness and planning in the event of a wildfire.
- Six Oakland Fire Stations (Stations 6, 7, 21, 24, 25 & 28) utilize Skyline Boulevard as a primary means of incident response.
- East Bay Municipal Utility District (EBMUD) has nine water reservoir tanks and facilities in numerous locations accessed from Skyline Boulevard:
 - 1) The Palo Seco Reservoir is located at 10722 Skyline Boulevard.
 - 2) The May Reservoir is located at Skyline Boulevard, 2000 feet south east of Keller Avenue.
 - 3) The City Line Pumping Plant is located at Keller Avenue at Sequoyah Road just west of Skyline Boulevard.
 - 4) The City Line Reservoir is located at 14330 Skyline Boulevard.
 - 5) The Madrone #2 Regulator and Madrone Reservoir are located 300 feet east of Balmoral Drive and 400 feet north of Skyline Boulevard.
 - 6) The Carisbrook reservoir is located at 2677 Carisbrook Drive west of Skyline Boulevard.
 - 7) The Castle reservoir is located at 6020 Castle Drive west of Skyline Boulevard.
 - 8) The Skyline reservoir is located north of Skyline Boulevard., 1000 feet southeast of Castle Drive adjacent to the Chabot Space & Science Center.
 - 9) The Grass Valley regulator is located at 13711 Skyline Boulevard., 50 feet south of Barmeid Place.

- Pacific Gas and Electric (PG&E) high voltage power lines run throughout the Skyline Boulevard evacuation corridor.

5. Is the scale of the project appropriate to achieve the stated goals, objectives and outcomes discussed in Item 2 above?

The scale of the project is appropriate to achieve the stated goals, objective and outcomes discussed in Item 2 above. A recent tree inventory funded by CAL FIRE counted over 200 dead, dying, and/or hazardous mature trees within striking distance of the public right of way in this project area that are recommended for removal. Tours with OFD have helped identify many more mature trees within striking distance of the public right of way that are candidates for limbing-up and/or pruning back to reduce their spread over the road. Estimates of costs are based on actual prices paid to emergency tree removal contractors who meet City of Oakland contracting standards and have performed tree removals on the Skyline evacuation corridor.

The City of Oakland has been removing an average of about 50 mature large Monterey pine trees per year along the Skyline Boulevard evacuation corridor. Many of these trees had been dead for years and were at a high risk of falling over or splitting. To continue addressing the backlog of dead, dying, and hazardous trees, and to address the ongoing additions of Monterey pine that die each year, it will be necessary to dramatically increase the amount of resources to do this work, as reflected in this project's budget. The City of Oakland does not otherwise have adequate resources to remove and/or prune this volume of trees. The Oakland Public Works Tree Services is still suffering from the impacts of department downsizing after the 2008 global financial crisis.

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?

Leftover woody biomass will be disposed of in ways to minimize greenhouse gas emissions. Logs will go to a greenwaste facility and/or be used as traffic barriers on nearby roads. Branches and brush will be chipped on site and spread to inhibit the growth of grasses and other potential fire fuels. No woody biomass will be burned or landfilled.

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).

The proposed project supports the goals and objectives of two long-term fire safety plans:

- The Community Wildfire Protection Plan for Alameda County (2012) specifically identifies addressing trees within striking distance of PG&E powerlines along the Skyline Boulevard corridor in Oakland as a priority treatment area.
- The Oakland Vegetative Management Plan specifically identifies roadside treatment areas and medians within a larger geographic area that includes the Skyline Boulevard evacuation corridor. This plan is in progress, not finalized, and aims to reduce wildfire risk by reducing fuels throughout a large area in the Oakland hills.

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

The majority of the City's tree canopy cover is located in the Oakland hills area, which includes a mixture of forested parkland, open space, undeveloped lots, City and local utility facilities, and single-family homes tucked in amongst the trees. The CAL FIRE Fire Hazard Severity Zone map rates the Oakland Hills area, which includes the Skyline Boulevard evacuation corridor, as "Very High." In 1991, there was a catastrophic wildfire in the Oakland Hills that burned over 3,000 homes, killed 25 people, and injured 150 others.

Beginning in Fall 2020, it became apparent that large patches of forest in the Oakland Hills were turning brown and dying. This inspired monitoring, investigation, and research from a wide network of regional forestry professionals, including representatives from University of California at Berkeley Cooperative Extension, the United States Forest Service, and Cal Fire. Though the causes and long-term management strategies are not yet entirely clear, the tree die-off situation appears to be symptomatic of ongoing years of drought and poses the threat of increasing the likelihood of wildfire in the Oakland Hills area.

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).

There are currently 18,889 residential homes located within the designated "Very High" Fire Severity Zone of the Oakland Hills. This approximate 10,560-acre continuous region is bordered on its south eastern side by Skyline Boulevard. The Skyline

evacuation route serves a 15,333-acre area with 23,631 structures and a population of 57,708 people.

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. Oakland Public Works will contribute \$15,000 worth of trees and planting supplies, plus staff time to plan and plant shaded fuel breaks in strategic locations along the project area. We estimate this will be about 150 trees.
2. Hazardous tree removals along the Skyline Boulevard evacuation route have been going on for years because Oakland Public Works is responsible for protecting roads and the public right of way. PG&E has also removed many trees and tree branches along this project area as part of their routine line clearance work. Therefore, additional hazardous tree removal work and tree trimming work along the project area will not be an entirely novel concept for residents. However, communications and outreach should and will be planned to identify the intentions, goals, objectives, anticipated outcomes, and timelines, and progress of this project so that residents and stakeholders are proactively informed and educated.

Communications from the City of Oakland will occur through a combination of methods, including social media and the City's website. A combination of City staff and elected officials regularly participate in ongoing Fire Prevention meetings, which can be used to strategize outreach messaging, methods, and objectives, as well as gauge public priorities and opinion.

There are also numerous 501 (c) 3 non-profit organization and community groups interested and engaged in Oakland's fire safety that contribute to a network of information sharing and advocacy. This includes but is not limited to the Oakland Fire Safe Council, Diablo Fire Safe Council, and Piedmont Pines

Homeowners Association. These groups have provided letters of support for this project.

3. The City of Oakland maintains all roads and the public right of way. Therefore, monitoring and the abatement of future hazards will be part of routine responsibilities. Additional tree and vegetation management goals, strategies, programming, and resources may be identified and implemented in Oakland’s forthcoming Vegetation Management plan, and/or Urban Forest Master Plan, which are both in progress but not completed.

4. Pacific Gas and Electric (PG&E) also performs tree removal and tree trimming work in the project area, as mandated by the California Public Utility Commission standards for vegetation clearance around power lines. This is for the sake of reducing interruptions in service and reducing fire hazards. However, PG&E’s jurisdiction is separate from Oakland Public Work’s jurisdiction and no organization will be performing work redundant to the other’s responsibilities.

Since Oakland Public Works is responsible for maintaining vegetation in the public right of way, there are no other City or State agencies performing tree work in this area.

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. Anticipated Timeline

Year 1	(Starting upon signing the grant agreement, expected November 2021 – November 2022)	Complete CEQA requirements. (The dates for the subsequent timeline items are subject to change depending on the time needed for CEQA compliance).
Year 2	November – December 2022	Using the results of the previous tree inventory, begin site visits and tree

		inspections, document and prioritize tree removals (this will be an ongoing process).
	January 2022	Bid out tree removals #1-50
	February-March 2022	Remove 50 trees while prioritizing the next batch for removal.
	April 2022	Bid out next 50 tree removals.
	May-June 2022	Remove 50 trees while prioritizing the next batch for removal.
	July 2022	Bid out next 50 tree removals.
	August – September 2022	Remove 50 trees while prioritizing the next batch for removal.
	October 2022	Bid out next 50 tree removals.
	November – December 2022	Remove 50 trees while prioritizing the next batch for removal.
Year 3	January – March 2023	Plant 75 trees to created shaded fuel breaks.
	April 2023	Bid out next 50 tree removals.
	May – June 2023	Remove final 50 trees.
	May 2023	Review remaining budget, determine target trees that need pruning.
	June 2023	Bid out tree pruning.
	July – October 2023	Complete pruning work.
	November 2023 – February 2024	Plant 75 trees to created shaded fuel breaks.

There are no seasonal restrictions to performing tree removal or tree trimming work. New trees should be planted in the months of December, January, February, and March to coincide with the rainy season.

Tree removal work will be bid out and performed in quantities of 50 to ensure that work can begin as quickly as possible, to provide adaptability to changing tree conditions and priorities, and ensure that total workload quantities adapts to actual bid costs (i.e. change priority targets and quantities depending on bid prices).

2. City staff administering the project will be ready to begin upon execution of the grant agreement and the majority of the trees to be removed have already been identified through the City’s 2021 tree inventory.

3. See timeline. As proposed, the project will have milestones of fifty trees removed every three months and shaded fuel break trees planted during the two rain seasons in the project’s duration.

The first milestone will be to obtain a CEQA exemption (if necessary). The rest of the project work will be incremental and ongoing.

4. See timeline. Project deliverables will consist of identifying and removing 50 trees over the course of five three-month intervals. Shaded fuel break tree planting will be split into two seasons (75 trees each season) to correspond with expected precipitation.

5. CEQA requirements will be completed during the first year of the project and will be met via one of three prospective options:

- 1) The Environmental Impact Report for Oakland's Vegetation Management Plan (currently underway).
- 2) Per Cal Fire's review and approval, an exemption of CEQA requirements by Governor Edmund G. Brown, Jr.'s October 30, 2015 Proclamation of a State of Emergency, specifically No. 2 and No. 15., under the stipulation that local governments may qualify for suspension of CEQA if required by their existing responsibilities to protect public safety by removing dead or dying trees in high hazard zones that threaten power lines, roads and other evacuation corridors, and structures.
- 3) Some other means that provide CEQA exemption and/or compliance.

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. Previous Experience:

- OPW is currently successfully managing a 2018 Cal Fire Urban and Community Forestry grant for a Citywide Tree Inventory and Urban Forest Master Plan.
- OPW has been performing tree removal work on Skyline Boulevard for the past few years, resulting in the removal of 200+ Monterey pines. The City does not have funding to complete all the work in this corridor necessary to maintain a clear evacuation route.
- OPW recently partnered with Diablo Fire Safe Council to identify hazardous trees along evacuation corridors in Oakland, as part of their CAL FIRE grant.

2. City of Oakland Public Works Parks and Tree Services will designate administrative staff to manage the grant and complete the necessary processes for CEQA compliance. Funding for this work will be provided through the 12% indirect costs.

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. A combination of grant and partner funds will be used for contracting out the removal of 250 hazardous trees within striking distance of the public right of way along the Skyline Boulevard evacuation route. Based on current actual contractual tree removal work, tree removal is expected to cost an average of \$2,500 per tree, for a total of \$625,000. Ninety-six percent (96%) of the total cost (\$600,000) is already funded by CAL FIRE through a different funding source that is separate from this grant opportunity. The remaining four percent (4%) will be paid for using grant funds (\$25,000).

Grant funds will also be used to pay for tree pruning for dead and/or diseased branches or other problematic branches that extend over the public right of way that may spread fire or cause impediment to the public right of way during a catastrophic fire event. Pruning will take place when removal of the entire tree is not considered an appropriate action. The anticipated cost is \$175,000.

(No grant funding will be used for the purchase of any equipment. Funding for the planting of shaded fuel breaks will be provided by the City as matching funds for this project.)

2. Identified contractor costs are reasonable for the San Francisco Bay Area for contractors that meet the City of Oakland's contracting requirements. Contractors hired by the City of Oakland must meet rigorous requirements that meet the City's specifications, including insurance requirements, prevailing wages, non-discrimination and equal employment practices, equal benefits ordinance requirements, and more.

When bidding for contracts, the City must choose the most responsive and responsible bidder that will provide the best value for the cost of services.

3. The budget is based on previous limited tree removal activities within this project area funded by other funding sources in the past and extrapolated to identify the cost of completing more work in the specified project area. The scope of this project will allow for the City to significantly reduce potential threats to the Skyline Boulevard evacuation route that could cause disastrous effects to human life and property should a wildfire occur in the proposed region and the evacuation corridor was impaired.

4. Indirect Costs:

- CEQA Compliance and Administration staff (\$120/hour [including salary and benefits]): work to meet the CEQA requirements for this project in one of the three possible avenues explained above, manage contractor(s) and contracts, track expenses, maintain project records, and complete and submit quarterly invoices and project reports to Cal Fire (expected 200 hours). \$24,000 total.

5. Project category details:

- Tree removals: Grant funds will be used to pay tree removal companies on contract with the City to remove the 250 dead, dying, or hazardous trees within striking distance of the Skyline Boulevard evacuation route. These target trees are primarily Monterey pines, eucalyptus, and black acacias. The cost is based on recent invoices from contracted work to remove these same species in the last few years. Traffic control measures and wood disposal are included in these costs.
- Tree pruning: Grant funds will be used to prune dead, dying, or otherwise problematic branches that hang over the public right of way to limit potential fire spread. Traffic control will be necessary to ensure safety during the pruning process. Skyline Boulevard has significant traffic and is narrow in many places. Pruning is reserved for trees that are otherwise healthy and not candidates for removal.
- Shaded fuel break plantings: Through matching funds from the City of Oakland, 150 oak trees will be strategically planted in appropriate areas within the project area to act as shaded fuel breaks and refuges for wildlife. These trees will be 15-gallon size and sourced from a nursery currently on contract with the City. Costs also include necessary supplies for planting these trees (e.g. stakes, arbor tie, water) and provision of irrigation during the establishment period. Trees will be planted by City staff and volunteers.

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. Protecting the Skyline Boulevard evacuation route will allow Fire and emergency crew access to WUI areas and reduce the potential of any fires from becoming catastrophic wildfire events in the Oakland hills, thereby reducing greenhouse gas emissions released from burning forests and structures. Preventing structures from burning will also reduce greenhouse gas emissions that would be released when rebuilding these structures, including the harvesting and fabrication of the construction materials and their transport.

The woody biomass from the trees removed for this project will be disposed of in ways that will reduce greenhouse gas emissions, such as disposal at a greenwaste facility, using the logs as permanent barriers in parks or along road sides throughout the City, and chipping branches for onsite use as mulch to help inhibit the growth of seasonal grasses that will become potential fire fuels.

As part of this project, the City will use its own funds to plant 150 oak trees in strategic areas within the Skyline Boulevard evacuation route to provide shaded fuel breaks and wildlife refuges. As these oaks mature, they will store and sequester greenhouse gasses. Per the calculations used for Cal Fire's Urban and Community Forestry grants, these 150 trees have the potential to sequester 1,124,182.9 pounds of CO₂ as well as reduce air pollution and provide other environmental benefits (per i-Tree Planting v2.1.2 using California Climate Investment 2020 data).

2. No, this project is not located in a Low-Income or Disadvantaged Community, but a significant portion of Oakland communities are designated as Low-Income and/or Disadvantaged Communities. Should a catastrophic wildfire occur in the project area, these communities may be indirectly affected by excessive smoke and reduced services while the City focuses on disaster management in the hills.

3. Public safety will be greatly increased by this project because of the reduced risk of the Skyline Boulevard evacuation route being impaired during a catastrophic wildfire event. Under current conditions, there is a higher likelihood that one of the 250 identified dead/dying trees within the public right of way may fall and block the evacuation route or catch fire, thereby reducing fire response actions in the project influence zone and the ability to evacuate the corridor, and increasing the time needed to safely escape the area. The planting of the shaded fuel breaks and refuges for wildlife will replace the removed exotic species with oak species well suited for the geographic location, fire, and wildlife.

4. As the dead/dying hazard trees are felled, their biomass will be reused as log barriers, chipped for mulch to reduce seasonal grass growth on site, or taken to greenwaste disposal facilities. This will happen throughout the length of the project. The greenhouse gas benefits of planting 150 oak trees will occur during the two rainy seasons during the project timeline. The greenhouse gas benefits provided by these trees will be seen over the course of their lives. These trees will be maintained by City staff and potentially volunteers to ensure they are in optimal health and can provide the most greenhouse gas benefits possible.

Project Budget

Project Name: Skyline Boulevard Evacuation Corridor

Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
A. Salaries and Wages											
		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. Employee Benefits											
		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 Employee Benefits:								\$ -	\$ -	\$ -	\$ -
C. Contractual											
	Tree Removals	250	Each	\$ 2,500	4%	0%	96%	\$ 25,000	\$ -	\$ 600,000	\$ 625,000
	Tree Pruning	1	Contract	\$ 175,000	100%	0%	0%	\$ 175,000	\$ -	\$ -	\$ 175,000
		0	Each	\$ -	0%	100%	0%	\$ -	\$ -	\$ -	\$ -
		0	Acres	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Miles	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Contractual:								\$ 200,000	\$ -	\$ 600,000	\$ 800,000
D. Travel & Per Diem:											
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Travel & Per Diem:								\$ -	\$ -	\$ -	\$ -
E. Supplies											
	Shaded Fuel Break Trees & supplie	150	Each	\$ 100	0%	100%	0%	\$ -	\$ 15,000	\$ -	\$ 15,000
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Supplies:								\$ -	\$ 15,000	\$ -	\$ 15,000
F. Equipment											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Equipment:								\$ -	\$ -	\$ -	\$ -
G. Other Costs											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Other Costs								\$ -	\$ -	\$ -	\$ -
Total Direct Costs								\$ 200,000	\$ 15,000	\$ 600,000	\$ 815,000
Indirect Costs (Exclude Equipment)							12%	\$ 24,000		\$ 24,000	
Total Project Costs								\$ 224,000	\$ 15,000	\$ 600,000	\$ 839,000
Less Program Income								\$ -		\$ -	
Total Grant Proposed Costs								\$ 224,000	\$ 15,000	\$ 600,000	\$ 839,000



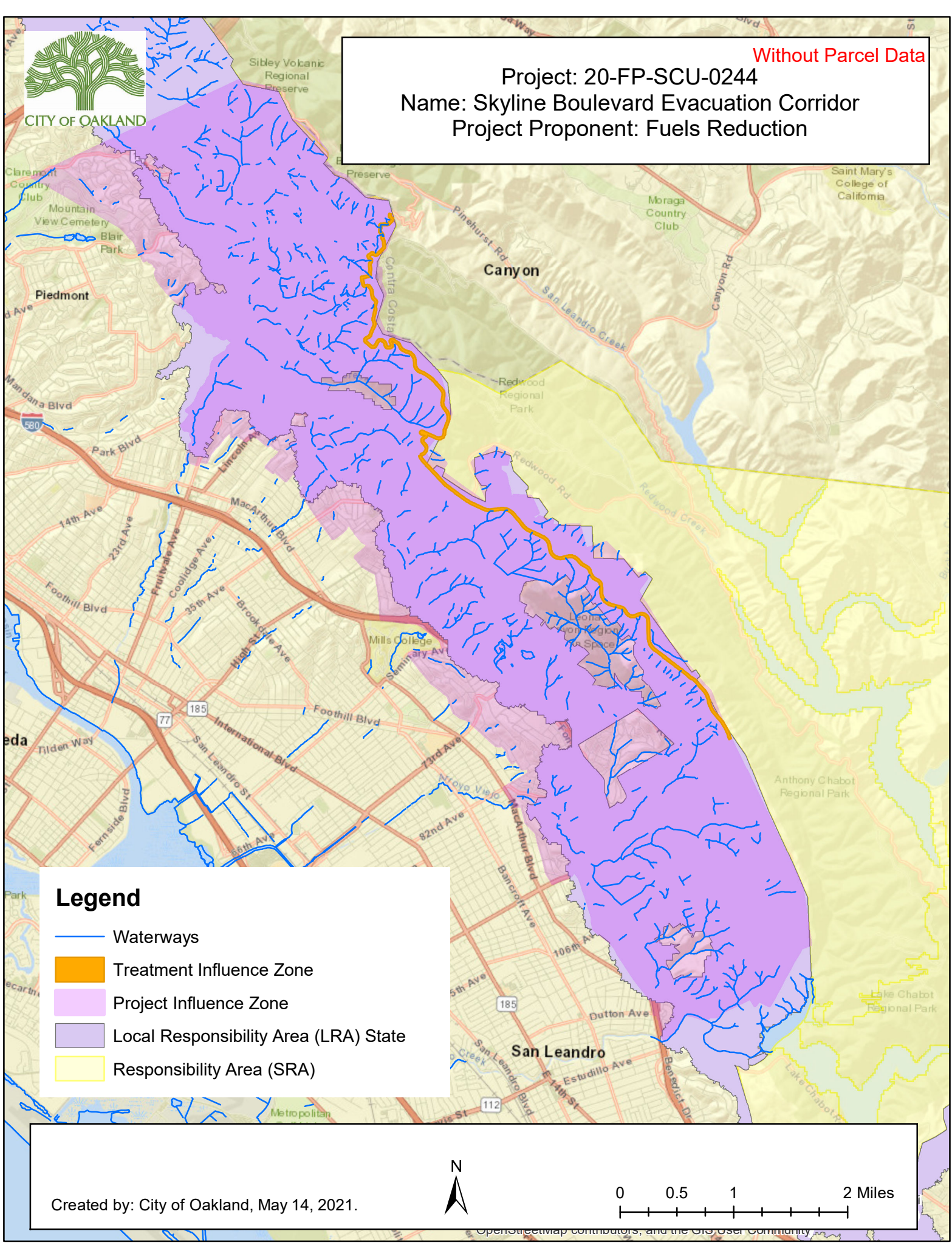
CITY OF OAKLAND

Without Parcel Data






Project: 20-FP-SCU-0244

Name: Skyline Boulevard Evacuation Corridor

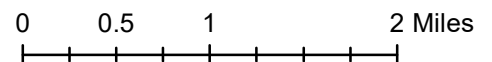
Project Proponent: Fuels Reduction



Legend

-  Waterways
-  Treatment Influence Zone
-  Project Influence Zone
-  Local Responsibility Area (LRA) State
-  Responsibility Area (SRA)

Created by: City of Oakland, May 14, 2021.

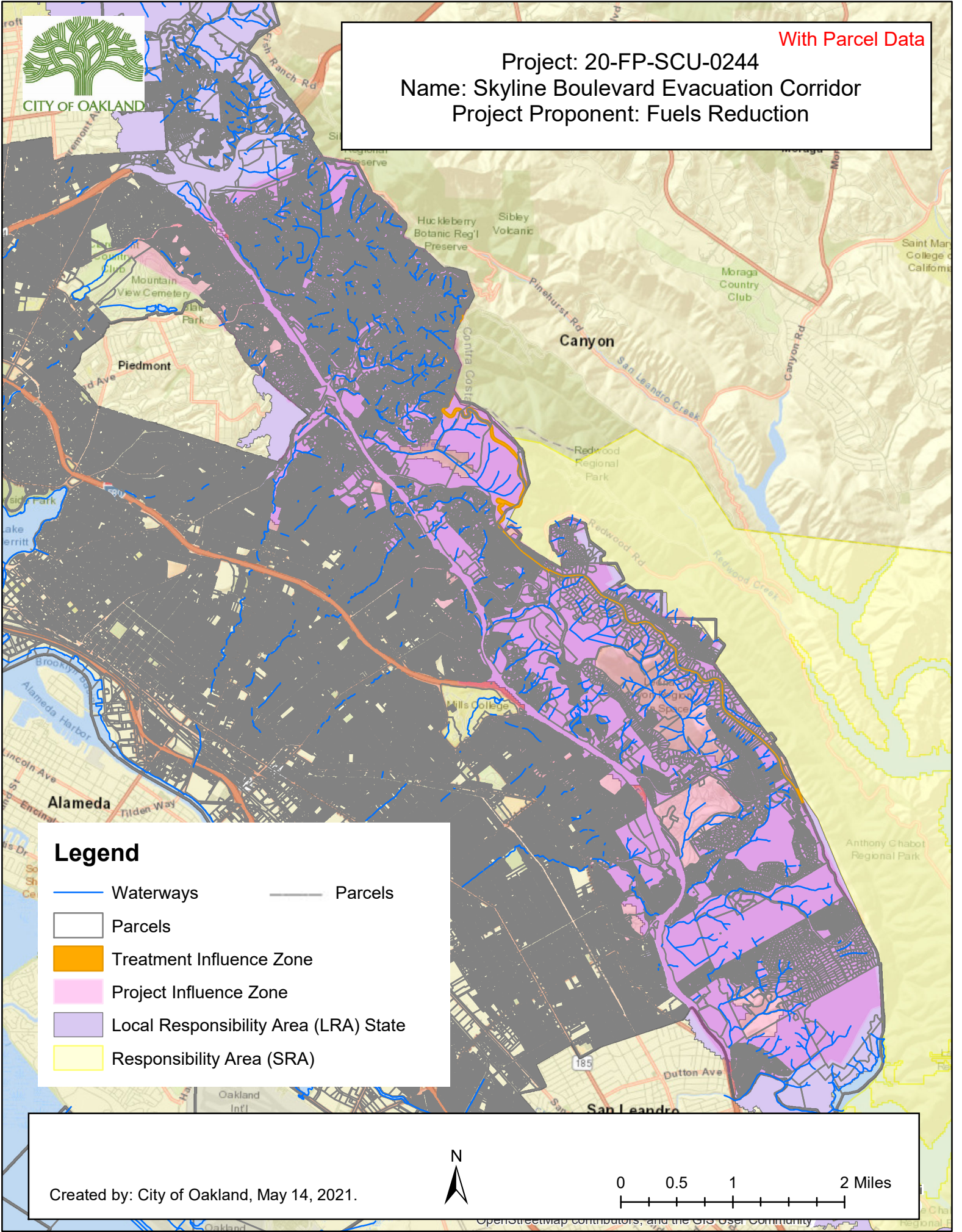


OpenStreetMap contributors, and the Geo User Community



With Parcel Data

Project: 20-FP-SCU-0244
Name: Skyline Boulevard Evacuation Corridor
Project Proponent: Fuels Reduction



Legend

- Waterways
- Parcels
- Treatment Influence Zone
- Project Influence Zone
- Local Responsibility Area (LRA) State
- Responsibility Area (SRA)

Created by: City of Oakland, May 14, 2021.

0 0.5 1 2 Miles