



## DEPARTMENT OF FORESTRY AND FIRE PROTECTION

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



August 6, 2020

Ben Heistein  
 City of Watsonville  
 250 Main St.,  
 Watsonville, California 95076

8GG19401: City of Watsonville, "Watsonville Community Forestry Project"

**Please contact James Scheid at (415) 265-9059 if you have questions concerning services to be performed.**

1.  Full grant agreement including terms and conditions, budget, and other exhibits enclosed. Print (single sided) and return two (2) sets of agreements with original signatures in blue ink. Please return the agreements to be received by CAL FIRE no later than **July 17, 2020**.

Return all originals and requested documents for further processing to:

**Please send the originals to the following address:**

**CAL FIRE**  
**Attn: Grants Management Unit/CCI – Urban Forestry**  
**P.O. Box 944246**  
**Sacramento, CA 94244-2460**

**You may send originals via overnight mail service to the following physical address:**

**CAL FIRE**  
**Grants Management Unit**  
**Attn: Vincent Tran**  
**710 Riverpoint Ct.**  
**West Sacramento, CA 95691**

Alternatively, you may opt to sign and scan the agreement back to your grant analyst in lieu of mailing it in. Additionally, the use of an electronic signature will be considered acceptable at this time and is strongly encouraged.

2.  Please initial change(s) made on all copies of the agreement on page(s) as marked.
3.  Enclosed for your record is one fully executed copy of the agreement referenced above.

Thank you,

Vincent Tran  
 Grants Analyst  
 Grants Management Unit

CC: James Scheid  
 John Melvin  
 Tiffany Kelly

Enclosures

State of California  
 Dept. of Forestry and Fire Protection (CAL FIRE)  
 Resource Management  
**GRANT AGREEMENT**

**APPLICANT:** City of Watsonville  
**PROJECT TITLE:** Watsonville Community Forestry Project  
**GRANT AGREEMENT:** 8GG19401

**PROJECT PERFORMANCE PERIOD IS from Upon Approval through March 30, 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:** The proposed project will develop a comprehensive urban forest management plan designed to evaluate current urban forest resources, identify locations, opportunities, and needs for urban forest expansion, and develop appropriate policies needed to sustain and enhance urban forest resources within the City of Watsonville over time. Concurrent with this work, 260 trees will be planted on public streets and within the public right-of-way in neighborhoods and private property to improve tree canopy cover and increase public education and awareness of the benefits of this work.

Total State Grant not to exceed \$ 700,000.00 (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 Watsonville

STATE OF CALIFORNIA  
 DEPARTMENT OF FORESTRY  
 AND FIRE PROTECTION

Applicant

---

By   
 Signature of Authorized Representative

Title Matthew Huffaker, City Manager

---

Date \_\_\_\_\_

---

By Helge Eng

---

Title: Helge Eng  
Deputy Director, Resource Management


---

Date 8/3/2020

**CERTIFICATION OF FUNDING**

AMOUNT OF ESTIMATE FUNDING <b>\$ 700,000.00</b>	GRANT AGREEMENT NUMBER <b>8GG19401</b>	PO ID		
ADJ. INCREASING ENCUMBRANCE \$	SUPPLIER ID			
ADJ. DECREASING ENCUMBRANCE \$	PROJECT ID	ACTIVITY ID		
UNENCUMBERED BALANCE <b>\$ 700,000.00</b>	GL UNIT <b>3540</b>	BUD REF <b>001 905</b> <span style="color: blue;">✓</span>	FUND <b>3228</b>	ENY <b>2019</b>
REPORTING STRUCTURE <b>35409503</b>	SERVICE LOC <b>96209</b>	ACCOUNT <b>5340580</b>	ALT ACC <b>534080000</b>	

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

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

8/4/2020  
 \_\_\_\_\_  
 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 Watsonville, hereinafter referred to as “GRANTEE”.
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as “GRANT FUNDS”) not to exceed seven hundred thousand dollars (**\$700,000.00**).
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. Department of Forestry and Fire Protection (CAL FIRE) Greenhouse Gas Reduction Fund Grants Urban and Community Forestry Grants Procedural Guide 2019/20
  - b. California Air Resources Board Greenhouse Gas Quantification Methodology for the Department of Forestry and Fire Protection (CAL FIRE) Urban and Community Forestry Program
  - c. The submitted Application, Scope of Work, Budget Detail, GHG Emissions Reduction Methodology and Exhibits
  - d. Addendum for California Climate Investments (CCI) Grant Projects

**II. SPECIAL PROVISIONS**

1. Recipients of GRANT FUNDS pursuant to California Public Resources Code Section 4799.06-4799.12 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 8GG19401.
- 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 Watsonville
Section/Unit: Urban and Community Forestry	Section/Unit:
Attention: James Scheid	Attention: Ben Heistein
Mailing Address: 2840 Mt. Danaher Rd.  Camino , CA 95709	Mailing Address: 250 Main St.  Watsonville, California 95076
Phone Number: (415) 265-9059	Phone Number: 831-768-3150
Email Address: James.Scheid@fire.ca.gov	Email Address: benjamin.heistein@cityofwatsonville.org

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.

#### 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, 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 Department of Forestry and Fire Protection 2019/20 California Climate Investments Urban and Community Forestry Program Grant Guidelines.
- 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:

California Department of Forestry & Fire Protection  
Attention: James Scheid  
2840 Mt. Dana Rd.  
Camino , CA 95709

- 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 that is located in or providing service to disadvantaged or low-income communities. Advance payment made by the STATE shall be subject to the circumstance and provisions below.

Where hardship circumstances exist for the GRANTEE, the STATE will consider authorizing advance payments. The STATE will consider the following factors in determining whether a hardship situation exists:

- Modest reserves and potential cash flow problems of the GRANTEE including the need for advance funding in order to initiate a project. A justification for advance payment may include items such as the inability to pay for staff, supplies, administration expenses, and to secure contractors for Project work.

The following guidelines will be applied to advance payments:

- 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 the advanced funds to the STATE. The amount will be returned to the grant balance.
- A request for advance payment must include the same level of expenditure detail and justification as a regular invoice.
- 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.
- Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and reported as program income 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 Urban and Community Forestry 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 indemnify (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. 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:

“The Watsonville Community Forestry Project 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).”



**2019/2020 Urban & Community Forestry: California Climate Investment Grants  
Project Application Form**



Fill out the form completely. Please see the submittal instructions at the bottom of the form. The Project Tracking Number requested is listed in the letter of invitation you received.

**CAL FIRE Project Tracking Number:** 19-CCI-UF-MGMT-006

**Name of Organization** City of Watsonville

**Project Title** Watsonville Community Forestry Project

**Project Type** Urban Forest Management Activities

**Requested Grant \$** \$894,476.80      **Matching \$** \$81,500.00      **Total Project \$** \$975,976.80

**Primary Source of Technical Advice** ISA Certified Arborist      **Explanation (if required):**

**Professional's First Name** Ben      **Professional's Last Name** Heistein

**1. Applicant information** - Eligible applicants include cities, counties, qualifying districts, or nonprofit organizations qualified under section 501(c)(3) of the Internal Revenue Code.

**Type of Organization** City

**1A. Primary Project Contact information**

**First Name** Ben      **Last Name** Heistein

**Email** benjamin.heistein@cityofwatsonville.org      **Phone Number** (831) 768-3150

**Address 1** Parks & Community Services Department

**Address 2** 250 Main St

**City** Watsonville      **County** CA

**State** California      **Zip Code** 95076

**1B. Secondary Project Contact information**

**First Name** Nick      **Last Name** Calubaquib

**Email** nick.calubaquib@cityofwatsonville.org      **Phone Number** (831) 768-3246

**Address 1** Parks & Community Services Department

**Address 2** 250 Main St

**City** Watsonville      **County** 95076

**State** California      **Zip Code** 95076

**1C. Correspondence Details:** List any information needed for project contacts, invoicing, etc.

Secondary Phone # for Ben Heistein: 831-421-2905 (cell)



**2. Partner information** - List primary project partners or co-sponsors. Applicants must provide a letter of commitment from each partner organization that affirms their role in the project.

**2A. Name of Organization 1**

First Name  Last Name

Partner Contact Title

Email  Phone Number

Comments

**2B. Name of Organization 2**

First Name  Last Name

Partner Contact Title

Email  Phone Number

Comments

**2C. Additional Partners:** list additional partner organizations with contact person, email address, and phone number.

**3. Start of Grant Period:** provide the estimated start of the grant project. The grant period will end on March 30, 2024. Final billing must be received within 30 days after the completion date.

Planned Project Start Date

**4A. AB 1550 - Disadvantaged and Low Income Communities.** Check the boxes for AB 1550 criteria that the project will meet. At least one box in each step must be checked to qualify. Visit <https://ww2.arb.ca.gov/resources/documents/cci-quantification-benefits-and-reporting-materials> to find the criteria tables for this grant program.

**Step 1, Priority Populations:**  meets "1A"  meets "1B"  meets "1C"  meets "1D"

**Step 2, Address Needs:**  meets "2A"  meets "2B"  meets "2C"  meets "2D"

**Step 3, Provide Benefits:**  meets "3A"  meets "3B"  meets "3C"  meets "3D"  meets "3E"

Provide any necessary discussion:

**4B. Census tracts:** list census tracts for the project that will meet AB 1550 criteria from the *Grant Guidelines*. Census tracts should be listed using the 10 digit number found for each tract on the map(s) at <https://www.arb.ca.gov/cc/capandtrade/auctionproceeds/communityinvestments.htm>

**5. GHG Methodology:** Fill in the GHG calculated amounts below. Describe the assumptions used to quantify GHG reductions using the ARB Quantification Methodology as required in the grant guidelines and found at: <https://www.arb.ca.gov/cc/capandtrade/auctionproceeds/quantification.htm>. You are required to attach proof that the ARB specified quantification methodology was followed.

**5A. Estimated carbon stored (MT CO2e)**

**5B. Estimated avoided emissions (MT CO2e)**

**5C. Estimated project emissions (MT CO2e)**

**5D Net GHG benefit (MT CO2e).**  $(5A + 5B) - 5C =$

GHG quantification was done using the ARB Methodology via i-Tree Planting and the ARB Benefit Calculator Tool version 1/28/2020. We have a fairly good idea of what species of trees are needed and where they are going due to having already determined the priority planting areas for this project. The City has been engaged in tree planting efforts for many years and understands which species and cultivars perform well. The City has an arborist that informed decisions on which species to select for this project. Whenever possible, the largest canopy tree has been chosen for each site. However, due to unknown variables expected during project implementation, shade trees planted in residential neighborhoods were assumed for now to be at an East azimuth, 40-59' from a house, following a recommendation in a training webinar to consider planting characteristics at a project level for planning purposes. The proposed project includes 162 shading trees on residential city streets in the private property /public-right-of-way frontage along sidewalks.

As individual planting locations are worked out, we expect some modifications to individual shade tree planting characteristics, but are confident the provided method estimates are conservative. We anticipate that some residents will want small-canopy trees so approx. 40 smaller stature trees are included, but many residents will have the choice to go bigger if their planting site can accommodate it. Based on our initial assessment, there is room for larger trees in most circumstances, and residents will be encouraged to plant as large a tree as possible due to the enhanced benefits. On the other hand, unforeseen under ground utility conflicts may necessitate a smaller-stature tree in some circumstances. Actual GHG benefit totals will be provided via MDCA reporting, and this being said, we do expect that implementation of this project will yield slightly higher net GHG benefits that estimated.

98 non-shading trees would be planted in Parks and the Pennsylvania Drive greenbelt corridor. These trees are considered non-shading because they are expected to be planted greater than 60' from a building. 46 of the non-shading trees are street trees.

Following the planting of each tree, the tree location will be recorded with a GPS instrument. This information will be input into a comprehensive GIS database that will be used to track the tree planting date, tree health, maintenance, and growth over time. The associated greenhouse gas emissions will be derived from the CalFire provided ARB Quantification Methodology and based off of i-Tree Planting and the most current version of the ARB Benefit Calculator Tool. GHG reductions and sequestration will be tracked through the CalFire provided MDCA worksheets and reported in accordance with the grant specifications.

**6. Narrative.** In the sections below, please follow the prompts and provide all relevant information for the project.

**6A. Background.** Describe the situation in the project area(s) and problems in the project area(s) that need attention.

Expansion and improved management of urban forests is greatly needed in the City of Watsonville. Watsonville is an urban center located along California's central coast, (population 53,000) and surrounded by large expanses of agricultural areas. The City is significantly deficient in urban forest resources, with currently 7.8% canopy coverage. This severe lack of urban trees directly impacts the City's public health and well-being and the freshwater wetlands that underlie the City. This need is underscored by the fact that the City lacks a clear understanding of the urban forest characteristics needed to best manage this resource, an urban forest management plan to guide tree management, and the policies needed to protect trees and ensure proper regulation uniformly throughout the City.

Watsonville is a predominantly low income community, where for example among the approximately 20,000 students in the Pajaro Valley Unified School District, over 75% qualify for free and reduced lunch and unemployment rates are the highest in Santa Cruz County. The entire City qualifies as either SB 535 or AB 1550 under the CA ARB designation, and has a combination of high pollution burden and low income. Watsonville exemplifies the type of community in California that will benefit most from urban forest development. As a disadvantaged and low income community, it is one that will be most at-risk to the impacts of climate change, such as increased heat and heat related impacts to public health, which will compound the already high air quality pollution burden. Urban forest and tree canopy development will contribute meaningfully to City residents public health through shading, cooling, and air and water quality benefits, while addressing climate change through carbon capture and reduction of energy use and associated emissions within the City.

The City of Watsonville and Watsonville Wetlands Watch are currently collaborating on an Urban and Community Forestry grant, which is nearly complete and will result in 300 new trees planted throughout the City's most highest needs areas by the fall of 2020. This very successful project represents our first collaboration in urban forest expansion and to date has supported over 1,500 youth and family volunteer hours in tree plantings and care. Both the City and Watsonville Wetlands Watch have extensive experience in regional plan development, including the City's Urban Greening Plan (2012) and Climate Action Plan (2015), as well as in the design and implementation of new ordinances, such as the City's recent successful single-use service ware plastics ban, adopted in June of 2019.

**6B. Project Objectives** - What are the objectives of the proposed project? How do they address the situations and problems identified in the background section?

The proposed project represents the second phase of a previously CalFire funded urban forest expansion project. The proposed project will build off the success of prior work, which begun in 2018, while addressing the lack of tree protection policies and an urban forest management plan needed to develop and sustain long-term public and environmental benefits. This project will also pilot new neighborhood tree planting events and community engagement strategies important to urban forest expansion in Watsonville.

The proposed project will develop a comprehensive urban forest management plan designed to evaluate current urban forest resources, identify locations, opportunities, and needs for urban forest expansion, and develop appropriate policies needed to sustain and enhance urban forest resources within the City of Watsonville over time. Concurrent with this work, 260 trees will be planted on public streets and within the public right-of-way in neighborhoods and private property so as to improve tree canopy cover and increase public education and awareness of the benefits of this work.

Specific project objectives include:

1. Develop a comprehensive urban forest inventory, including tree canopy mapping & analysis for the City of Watsonville;
2. Develop an urban forest management plan and comprehensive tree preservation ordinance, per CalFire guidelines;
3. Develop project designs and plans for at least 50 future street, neighborhood, and school tree plantings that can be implemented as shovel-ready projects following the urban forest management plan creation;
4. Complete a comprehensive bi-lingual (Spanish/English) resident survey to support the urban forest management plan and ordinance development;
5. Establish a tree canopy cover goal for the City;
6. Develop and adopt a City of Watsonville tree preservation ordinance;
7. In partnership with the non-profit partner agency, Watsonville Wetlands Watch, install 260 trees on City streets, parks, and neighborhoods during 20 public and local student education and outreach events that will also include surveying of residents and City resident engagement so as to increase our understanding of resident attitudes and guide further urban forest expansion activities;
8. In partnership with Watsonville Wetlands Watch, pilot resident neighborhood tree planting events and an adopt-a-tree tree stewardship program to engage City residents in urban forest stewardship and foster public interest and appreciation for urban forest expansion;
9. Provide job training opportunities and job creation to local youth and Corps members.

These objectives are designed to support the City in clearly understanding the current urban forest characteristics to ensure effective long-term planning and best management of the City's trees.



**6C. Scope of Work** - Describe the approach to be used, the design (methods), and implementation of the project. Include who will be involved with specific tasks and justify why the approach, methods and implementation is the most effective way to accomplish the objectives. Include a description of project sign contents and their locations. *(continued on next page)*

This work will address the absence of local tree protection measures through the development of an Urban Forest Management Plan and official adoption of a tree preservation ordinance, which will be developed with input reflective of the diversity and values of Watsonville's residents. Project activities will also meaningfully advance the City's urban forest expansion goals during the grant period through the installation of an additional 260 new trees. These plantings will be done in conjunction with effective community engagement during neighborhood planting projects that will educate and cultivate interest by community members needed to aid in the long-term growth and care of urban trees on public and private properties.

The proposed project represents a collaboration between the City of Watsonville and partnering organization, Watsonville Wetlands Watch (WWW). To date, the City does not have a tree inventory, urban forest management plan, or comprehensive tree preservation ordinance. Currently the City has a very limited Historic Tree preservation ordinance only, and this would be incorporated into a more comprehensive ordinance. The City did adopt an Urban Greening Plan in 2012 which includes an Urban Street Tree chapter that provided general recommendations and guidelines for street tree development and identified priority project implementation areas.

Building off of this prior work, the City and WWW will work with a consulting firm to develop the proposed tree inventory and canopy analysis that will focus on trees within City property and maintenance responsibility to include private property trees within the public realm to the extent practical. The tree inventory will include all trees located on public property such as sidewalks, streets, medians, and public parks. The inventory will include, but will not be limited to, collection of data required that corresponds to the CalFire Minimum Data Collection Attributes and will be collected within geographical subsections of the City. Data will be collected in a form compatible with ESRI GIS database requirements to facilitate the long-term management of data by the City and WWW. Following this, a tree inventory analysis will be performed, that provides information on urban forest structure (i.e. species composition, number of trees, tree density, tree health, and other characteristics), and provides information on important public health and environmental benefits, such as pollution removed, avoided run-off, public health benefits, total carbon stored, and net carbon sequestered annually. This work will help to quantify the economic, social, and environmental benefits of the tree canopy and support urban forest management needs.

In addition to the tree inventory, a tree canopy analysis will be performed to improve the understanding of the entirety of the City's trees, including those located outside of public property. This analysis will be a tree canopy coverage and distribution analysis that will provide an understanding of tree canopy coverage throughout the City and can be geographically segmented. The value of this geographic segmentation by region throughout the City is to help prioritize urban forest expansion activities and support community engagement strategies. This will include a land cover assessment to identify, for example, impervious surfaces, bare areas, waterways, sparse vegetation, trees in turf settings, etc. The City's Local Hazard Mitigation Plan, which is currently under development, has documented where in the City heat impacts associated with climate change will be most pronounced, based on the Trust for Public Land's Climate Smart City's tool, which uses average land surface temperature. The canopy analysis will integrate the understanding of how climate change will impact the City and how urban forest management and expansion activities can mitigate these impacts for Watsonville residents. It will also provide information on species composition, structure, and age.

Following this, an urban forest management plan will be developed that will have a lifespan of at minimum 40-50 years. This plan will ensure that the City has a clear understanding of its urban forest goals on public and private lands. The urban forest management plan process will include effective Spanish/English community engagement and attitude surveys to inform the plan and forthcoming tree preservation ordinance. The plan will provide the City and WWW with an effective roadmap for urban forest management, maintenance of management activities, and quantifiable monitoring of urban forest management. The plan will include an equity analysis that helps to ensure urban forest management provides socio-economically equitable benefits to Watsonville residents and will articulate a tree canopy cover goal for the City that is tailored to Watsonville. The plan will also define the needs of a tree preservation ordinance and articulate the monitoring and oversight responsibilities needed to effectively manage and maintain such an ordinance.

As a supplemental document, and in conjunction with this work, plans for approx. 50 new urban forest expansion projects will be developed, in order to provide 'shovel-ready' projects that enable the City and partners to advance the goals of the urban forest management plan quickly after the plan is adopted.

Following this, the City and WWW will develop and ensure adoption of a tree protection ordinance to be integrated into the City's municipal code. This ordinance will clearly define public and private trees and articulate the City's and property owners' responsibilities with respect to each category of tree. It is expected to include evaluation of a tree protection plan for existing and new construction, a local Tree Mitigation fund, and other preservation measures and permitting requirements. It will provide clear and consistent language for tree protection and management to support the monitoring and enforcement outlined within the policy.

## 6C. Scope of Work - Continued from previous page

In addition to the planning components of the proposed work of this project the City will partner with Watsonville Wetlands Watch to implement the planting and establishment of 260 trees and also facilitate community engagement, education, and outreach. This work will include piloting neighborhood planting events, and development of an adopt-a-tree volunteer / tree stewardship program. Neighborhood outreach events will be held throughout the grant period and will support the gathering of community input surveys in support of development of the Urban Forest Management Plan and Ordinance. At least 20 local school and community volunteer tree planting events will be hosted to plant these trees.

Tree plantings and tree care will also be supported by the California Conservation Corps who will assist with the tree plantings and volunteer tree planting preparation, while gaining valuable job training skills and experience in urban forest management activities. The California Conservation Corps is listed as a primary project partner and is committed to participating in this project. Many times, Corps members earn the skills through projects like this to gain permanent local employment and obtain other industry credentials.

This project will also create jobs and provide job training through the employment of staff to facilitate tree planting, maintenance, and outreach components. Both the City and Watsonville Wetlands Watch have a history of hiring local labor many of whom started as volunteers or interns through community events or other job training programs.

Specific tree planting areas include several neighborhoods that have already been identified as priority planting areas in the 2012 Urban Greening Plan. These sites each bear unique attributes and DAC census tract status and these areas are geographically represented on the Project maps.

We are planning to plant trees in the following areas:

Neighborhoods/ Residential City Streets:

- Clifford Ave. neighborhood (50 trees)
- Martinelli Ave. neighborhood (45 trees)
- Rolling Hills Elementary School neighborhood (22 trees)
- Rodriguez St. neighborhood (45 trees, some of which will be planted in new tree wells in the city sidewalk.)

Parks:

- Hope Drive Park (16 trees)
- Flodberg Park (3 trees)
- Arista Park (5 trees)
- Atri Park (3 trees)
- Brentwood Park (9 trees)
- Victorian Park (5 trees)
- Joyce-Mckenzie Park (8 trees)
- Callaghan Park (3 trees)

Greenbelt/ street-scape corridor:

- Pennsylvania Drive (46 trees)

In Summary, the Scope of Work for this project includes but is not limited to the following:

- Conduct a thorough assessment of existing urban forestry practices and policies;
- Develop a comprehensive urban forest inventory/canopy analysis for the City of Watsonville;
- Adopt a community-based urban forest management plan, per CalFire guidelines;
- Complete a comprehensive bi-lingual (Spanish/English) resident survey to support the urban forest management plan and ordinance development;
- Installation of 260 trees on City streets, parks, and neighborhoods during 20 public and local student education and outreach events, neighborhood outreach events, and establishment of a volunteer adopt-a-tree program and long-term stewardship model;
- Develop project designs and plans for at least 50 future street, neighborhood, and school tree plantings that can be implemented as shovel-ready projects following the urban forest management plan creation;
- Establish a tree canopy cover goal for the City;
- Adopt a comprehensive Tree Preservation Ordinance.

**6D. Project Time Line** - Provide a general project time line. Do not list specific dates or months due to uncertainty in when projects may begin. Plan on projects ending no later than March 30, 2024.

- Year 1: (2020-2021)
  - Issue Request for Proposal (RFP) to Urban Forestry Consultant
  - Begin community engagement (surveys, meetings, art contests, tree planting events) for the Urban Forestry Management Plan
  - Conduct city tree inventory and canopy analysis
  - Initiate tree planting and outreach activities
- Year 2: (2021-2022)
  - Continue tree planting and outreach activities; secure tree stewardship agreements among local residents
  - Begin development of a tree preservation ordinance
  - Draft neighborhood tree planting plans
  - Final draft of Urban Forestry Management Plan and continue community engagement
- Year 3+: (2022-2023)
  - Final Draft and Adoption of Urban Forestry Management Plan and city tree ordinance by December 2023

**6E. Tree Information (if applicable)** - Provide the following information about any trees or plants to be planted as part of the grant project. Include information even if the trees or plants are not to be funded by CAL FIRE.

**Species List** - Provide a list of the tree and plant species for this grant project . Include common name, Genus, and species. Include the approximate number of each species to be used. List minimum planting stock size for each species.

- Acer, 'Autumn Blaze' (Autumn Blaze maple), 10, #15
- Aesculus californica (CA buckeye), 4, #15
- Ginkgo biloba (japanese maidenhair), 23, #15
- Jacaranda mimosifolia (Jacaranda), 3, #15
- Lagerstroemia 'Natchez' (white-flowering crape myrtle), 21, #15
- Platanus racemosa (CA sycamore), 5, #15
- Quercus agrifolia (coast live oak), 56, #15
- Quercus frainetto 'Schmidt' (Forest Green oak), 10, #15
- Quercus shumardii (shumard oak), 31, #15
- Quercus suber (cork oak), 10, #15
- Quercus virginiana (southern live oak), 13, #15
- Tristaniaopsis conferta (brisbane box), 18, #15
- Ulmus x 'Frontier' (Frontier Elm), 35, #15
- Ulmus x 'Alcolade' (Accolade Elm), 21, #15

**Total Project Trees:**

**Total CAL FIRE Funded:**

**6F. Other deliverables.** List all other project deliverables and quantities to be funded by CAL FIRE, as well as overall project totals.

- City of Watsonville Tree Inventory
- City of Watsonville Tree Canopy Analysis
- City of Watsonville Urban Forest Management Plan
- City of Watsonville Tree Preservation Ordinance
- Neighborhood Tree Planting Plans (approximately 50 total)-
- Installation of 260 trees in high priority locations
- 20 Volunteer Tree Planting/ community engagement events
- 50 Tree stewardship/adopt a tree volunteer agreements



**7. Budget Information**

**7A. Budget Detail** - Provide a specific budget for work to be done. The budget should be based on bid quotes and/or estimates from vendors or on actual costs that will be incurred. The line items listed should be specific enough to adequately describe project expenses. Use the Excel format CAL FIRE has provided for your budget, and follow the guidance in the *Grant Guidelines*. You should note that applicants, if successful in being awarded a grant, will have to follow this budget and will only have the opportunity for minor budget adjustments. The total grant award amount for the project can not be increased later.

**7B. Explanation of Budget and Costs** - Describe the basis for the budget amounts listed above. Applicants will be expected to adhere to this budget (*Continued on next page*).

Personnel:

- City of Watsonville staff time to assist with tree plantings, tree care, and establishment: 2,810 hours
- City of Watsonville staff time, project manager and City arborist to oversee the project, including all planning and adoption of the ordinance, 750 hours
- Watsonville Wetlands Watch staff labor to assist with tree plantings, tree establishment, volunteer engagement, tree planting plan development, and bi-lingual community outreach associated with resident surveys and community meetings: 4400 hours
- Watsonville Wetlands Watch staff labor to support project management, tree inventory development, site plan development, tree inventory, urban forest plan development and ordinance adoption, 700 hours

Contractual:

Tree Inventory, Urban Forest Management Plan, Ordinance:

- Develop Tree Canopy Analysis and Tree Inventory: \$122,000;
- Community outreach survey and analysis: \$10,000,
- Develop Urban Forest Management Plan: \$180,000,
- Design tree planting plans:\$40,000;
- Develop and coordinate adoption of tree protection ordinance: \$30,000,

Community Tree Plantings, Tree Establishment, and Care:

- California Conservation Corps, support tree installation and tree care: 1200 hours, \$33,600
- Concrete cutting for tree cut-outs, \$25,000, estimated at \$2,500 per cutout. If it can be done for less, add'l tree cut-outs will be made

Travel: 1000 miles estimated as match from the City of Watsonville and Watsonville Wetlands Watch

Supplies:

- Trees: budgeted at \$75 per tree (includes freight/delivery): 19,500; Tree Stakes budgeted at \$10.00 per tree (3 stakes per tree): \$2,730.00;
- Tree Ties, budgeted at \$0.70 per tie: \$574; Mulch, budgeted at 120 yards: \$2,640.00; Irrigation materials \$1,591; Project sign: \$400; tags
- Equipment: Equipment rental of a tractor of \$3,150 for 7 days of tractor rental

Education & Outreach: 600 tree care pamphlets:\$1,800, 1000 brochures: \$5,000; education event prizes to support community engagement: \$320, Paid advertising to support community engagement: \$4,300

Post Grant Maintenance: \$120 per tree to support structural pruning, and other post grant maintenance needs: \$31,200

Indirect Costs: 12%, \$95,836.80 to support allowable indirect costs such as accounting, bookkeeping, and other related indirect costs

**7C. Matching Funds** - List other non-GGRF funding sources, that will meet grant matching requirements.

Source 1	City of Watsonville	Amount	\$71,500.00
Description	In-kind contributions for project management and technical expertise by the City's certified arborist, Ben Heistein, WE-9924A who is also the Assistant Parks Director, totaling approx. 1100 hours		
Source 2	Watsonville Wetlands Watch	Amount	\$10,000.00
Description	Matching funds for school bus educational field trips (\$3,000) and event supplies (\$7,000).		

Source 3		Amount	
Description			
Source 4		Amount	
Description			
Matching funds comments			

**8. Project Co-Benefits** - What co-benefits will the project have? Check the boxes below for the applicable co-benefits, then describe and/or quantify them. Describe how the project will achieve the co-benefits.

- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> Stormwater reduction   | <input checked="" type="checkbox"/> Improved public health           | <input checked="" type="checkbox"/> Jobs created (use ARB tool)    |
| <input checked="" type="checkbox"/> Improved water quality | <input checked="" type="checkbox"/> Enhanced active transportation   | <input checked="" type="checkbox"/> Job training conducted         |
| <input checked="" type="checkbox"/> Improved air quality   | <input checked="" type="checkbox"/> Reduced vehicle miles travelled  | <input checked="" type="checkbox"/> Community outreach conducted   |
| <input checked="" type="checkbox"/> Energy savings         | <input type="checkbox"/> Vacant lot(s) acquired                      | <input checked="" type="checkbox"/> Education tools/media produced |
| <input type="checkbox"/> Biomass diverted from landfill    | <input checked="" type="checkbox"/> Improved urban forest management | <input checked="" type="checkbox"/> Other co-benefits              |

Project co-benefits are diverse and will include the following:

- Stormwater treatment into local wetlands and waterways;
- Improved air quality achieved through the planting of large stature trees that will moderate ambient temperatures and remove airborne particulates;
- Reduction of vehicle miles traveled and improved active transportation through shading of sidewalks and bicycle lanes;
- Job training through collaboration with the California Conservation Corps and Watsonville Wetlands Watch youth education programs;
- Community education and outreach will include at least 20 volunteer plantings and school field trips. An adopt-a-tree program ("Other" Co-Benefit) is planned to be formally launched;
- Energy savings will be created by installation of street trees that will shade pavement, reducing the urban heat island effect and reducing degradation and the frequency of re-paving and associated emissions;
- Creation of a City tree inventory and canopy analysis to support improved urban forest management;
- Creation of an Urban Forest Management Plan to support long-term sustainability of Urban Forest Resources;
- Creation of a tree preservation ordinance to support improved urban forest management;
- Improved public health through improved air quality, reduced heat impacts through increased cooling and shading, and implementation of tree planting and tree care events and programs that encourage the community to participate in active and family friendly volunteer events that promote community cohesion;
- Secured long-term partnerships and tree stewards to facilitate a long-term Community Forestry model for Watsonville.

The planting of 260 trees will also result in:

- 23 acre-feet (7.5 mil gallons) of stormwater intercepted
- 1,415 pounds of air pollution reduced
- 392,359 kWh of electricity conserved

This project will also benefit existing city initiative and strategic priorities such as enhancing public infrastructure, the environment, providing for the well-being and health of the community, city beautification efforts, and greening blighted spaces in the public and private realm. This project is consistent with the City's General Plan, 2012 Urban Greening Plan, and 2015 Climate Action Plan.

Combined, these co-benefits will also aid economic development in the city by creating a more livable space to conduct business and everyday life. The qualitative psychological and socio-economic benefits of this project are significant and will impact residents in positive ways for decades.

**8. Project Co-Benefits** - continued from previous page.

Additionally, according to the ARB Job Modeling tool, this project will support:  
11.3 FTE jobs by the Project Budget  
10.3 FTE jobs by Project GGRF funds

**9. Certifications & Forms-** The following certifications must be filled out and signed by the appropriate person.

**9A. Certification of Party Responsible For Maintenance**

I, Appropriate representative

certify that the Appropriate agency

will provide or be responsible for 100% of the maintenance for a minimum of 3 years after the end of the grant period in accordance with ANSI A-300 tree care standards, the accompanying ISA Best Management Practices and the standards outlined in the grant agreement and/or grant attachments with the California Department of Forestry and Fire Protection.

Signature 

Date

Title

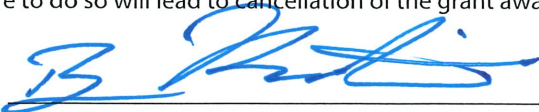
Phone Number

**9B. Statement of Compliance With All Applicable Laws (all projects must fill out and sign)**

I, Appropriate representative

certify that the Appropriate agency

will abide by all applicable federal, state, and local laws, ordinances, regulations and policies in carrying out this State bond-funded project. Failure to do so will lead to cancellation of the grant award.

Signature 

Date

Title

Phone Number

**9C. Checklist of Necessary Forms To Be Completed.** Some may not be applicable to your project.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> CAL FIRE Urban Forestry Program Environmental Checklist   | <input checked="" type="checkbox"/> State of California Non-Discrimination Compliance (Std. 19)     |
| <input checked="" type="checkbox"/> Proof of AB 1550 community designation documentation.     | <input checked="" type="checkbox"/> State of California Drug-Free Workplace Certification (Std. 21) |
| <input checked="" type="checkbox"/> Representative project area maps with AB 1550 information | <input checked="" type="checkbox"/> State of California Payee Data Record (Std. 204)                |
| <input checked="" type="checkbox"/> Governing Body Resolution (must follow sample format)     | <input checked="" type="checkbox"/> Signed letters of participation from listed partners            |
| <input checked="" type="checkbox"/> Documentation of support (AB 1550 Step 2C)                | <input checked="" type="checkbox"/> Project sign schematic (including CAL FIRE and CCI logos)       |
| <input checked="" type="checkbox"/> 5-10 representative site photos                           | <input checked="" type="checkbox"/> Proof that ARB quantification methodology was followed          |
| <input checked="" type="checkbox"/> Urban and Community Forestry Project Budget               | <input checked="" type="checkbox"/> Jobs information using ARB methodology (if applicable)          |
| <input checked="" type="checkbox"/> Other:  |   |

List other attachments:

Sample Planting Plan

**SIGNATURE:** The authorized primary project contact for the applying organization must sign below. This must be the person, or person holding the position, that is mentioned in the required governing body resolution, and the same person or position signing all of the other required forms. The signature indicates that, to the best of the signer's knowledge, all of the information provided in this application and all attached required forms and documents are true, accurate, and correct. The signer also acknowledges reading and understanding the *CAL FIRE Urban and Community Forestry Grant Guidelines for 2019/2020*.

Signature



Printed Name

MATTHEW HUFFAKER

Title CITY MANAGER

Date April 15, 2020

Be sure to save a copy of this form for your records. Submit one (1) electronic copy in the fillable PDF format to [CALFIRE.Grants@fire.ca.gov](mailto:CALFIRE.Grants@fire.ca.gov). Please use "U&CF Project Application" and your Project Tracking number in the email subject line and include yourself as a CC. Your CC will be proof of your submittal. Application supporting documents and a signed and scanned copy of this form should be uploaded to your CAL FIRE assigned Box.com folder and labeled with your Project Tracking number. All documents must be submitted/uploaded no later than 3:00 PDT on Thursday, April 16, 2020.

**CAL FIRE Urban & Community Forestry Program CCI Grants**





# Watsonville Community Forest Project Regional Location Map



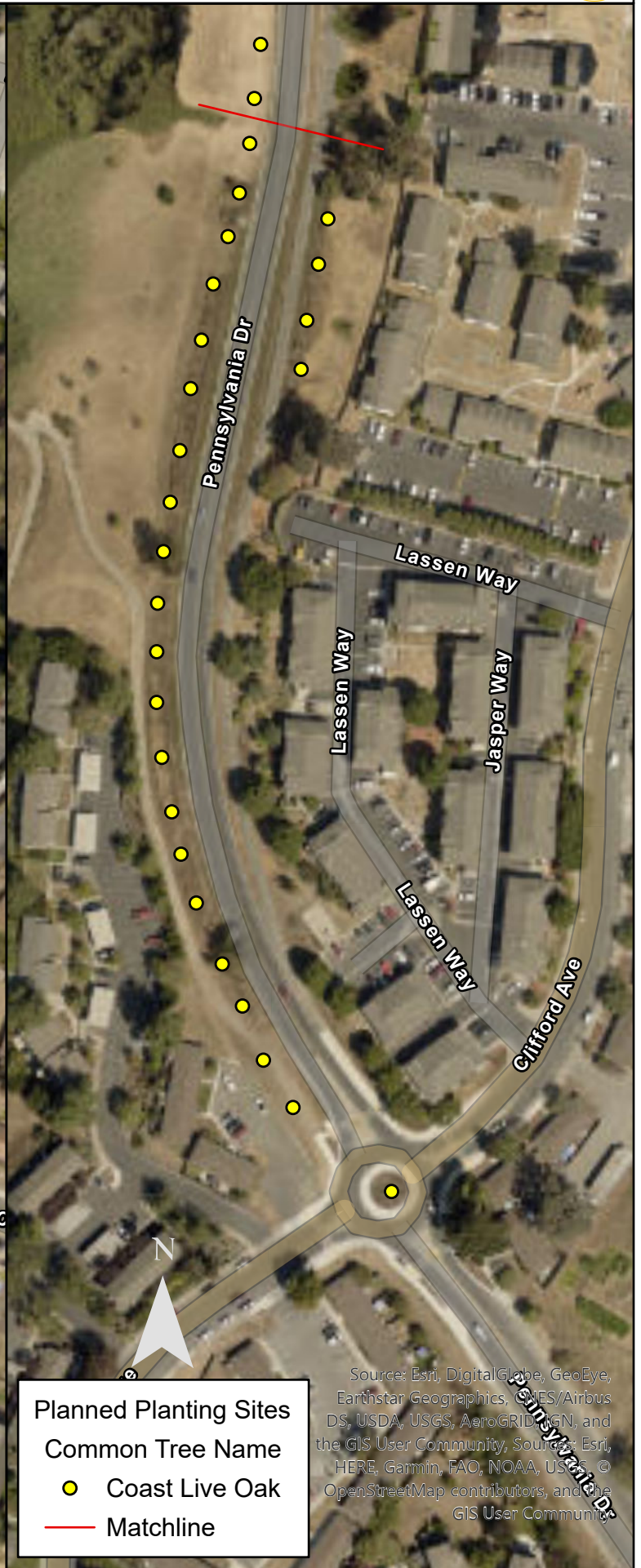
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community





# Watsonville Community Forest Project

## Pennsylvania Drive Tree Planting



**Planned Planting Sites**

**Common Tree Name**

- Coast Live Oak
- Matchline





# Watsonville Community Forest Project

## Census Tract Served and Disadvantaged Community (DAC) Status

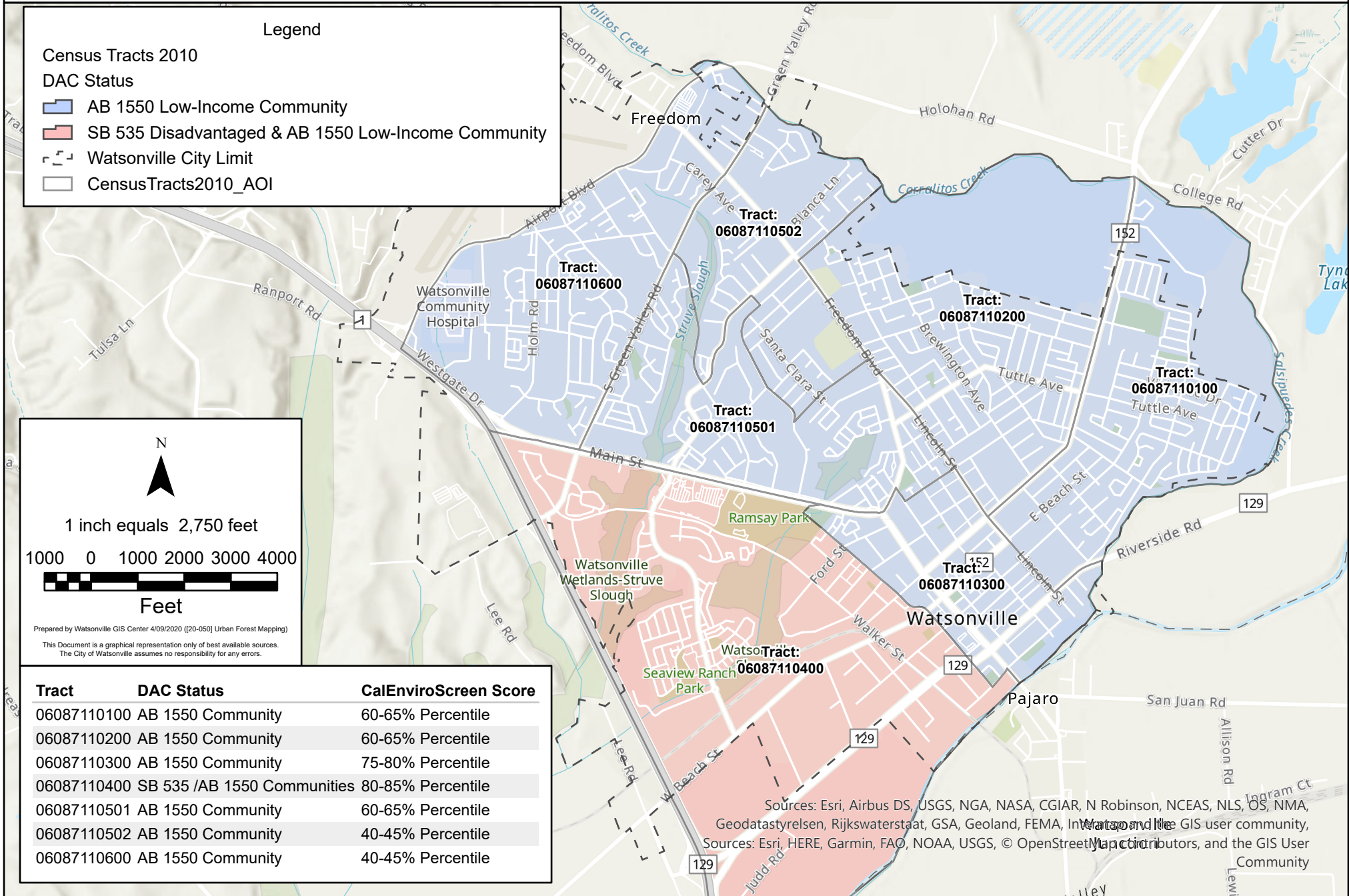


**Legend**

Census Tracts 2010

DAC Status

- AB 1550 Low-Income Community
- SB 535 Disadvantaged & AB 1550 Low-Income Community
- Watsonville City Limit
- CensusTracts2010\_AOI



N

1 inch equals 2,750 feet

1000 0 1000 2000 3000 4000

**Feet**

Prepared by Watsonville GIS Center 4/09/2020 ([20-050] Urban Forest Mapping)  
 This Document is a graphical representation only of best available sources.  
 The City of Watsonville assumes no responsibility for any errors.

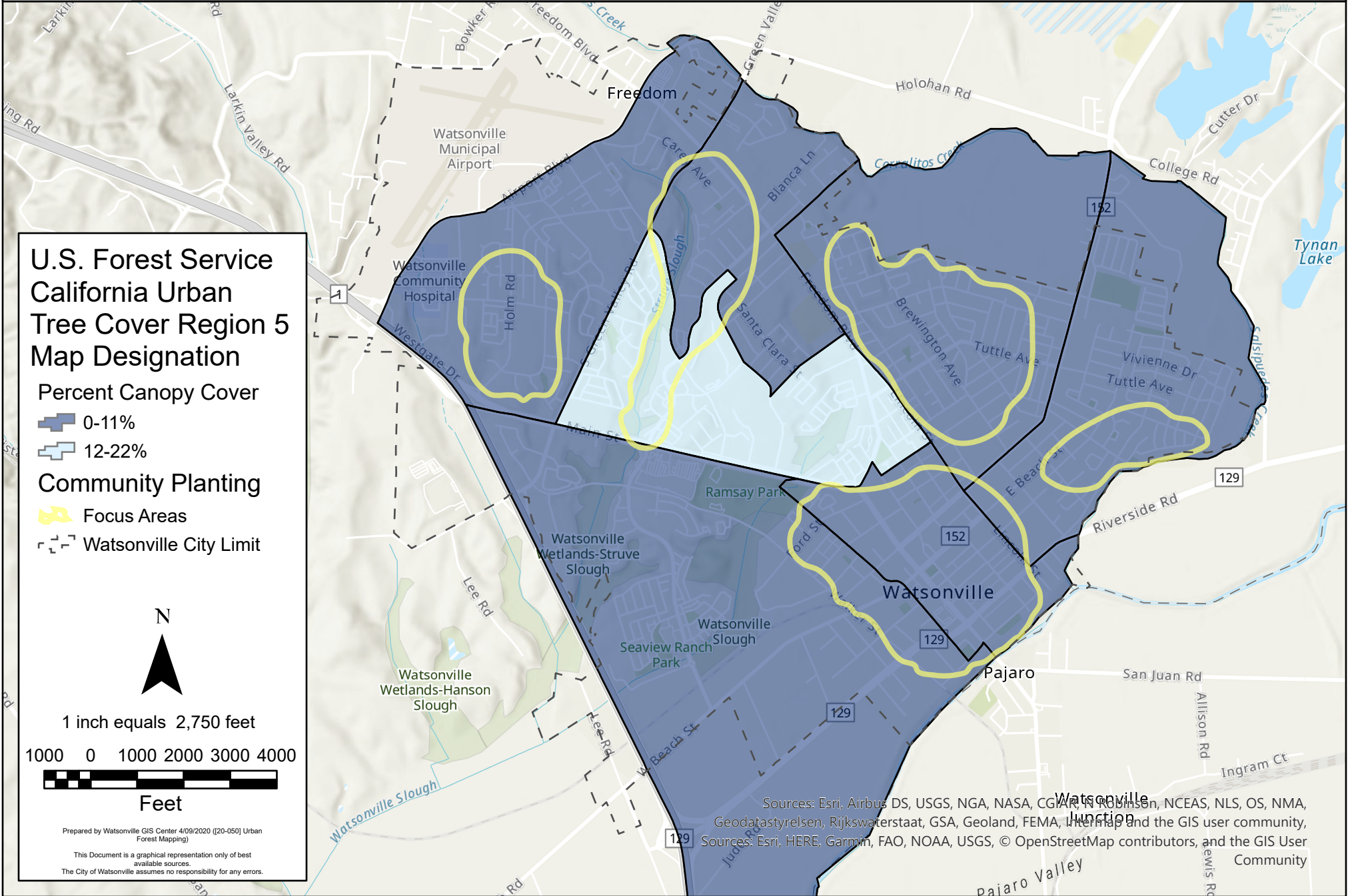
Tract	DAC Status	CalEnviroScreen Score
06087110100	AB 1550 Community	60-65% Percentile
06087110200	AB 1550 Community	60-65% Percentile
06087110300	AB 1550 Community	75-80% Percentile
06087110400	SB 535 /AB 1550 Communities	80-85% Percentile
06087110501	AB 1550 Community	60-65% Percentile
06087110502	AB 1550 Community	40-45% Percentile
06087110600	AB 1550 Community	40-45% Percentile

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodastystyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Interpol, Esri, and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



# Watsonville Community Forest Project

## Percent Tree Canopy Cover and Community Planting Focus Area



Greenhouse Gas Reduction Fund - Urban and Community Forestry Program  
 Project Budget (Revised 12-22-2020)  
 City of Watsonville

<b>Watsonville Community Forestry Project Budget (Revised 12/22/2020)</b>					
Budget Item	Description	Cost Basis	CAL FIRE Grant		Total
			Share	Grantee Match	
<b>A. Salaries and Wages</b>			<b>163,800.00</b>	<b>182,371.00</b>	<b>346,171.00</b>
	City of Watsonville Staff (Planning, Outreach, UFMP)	1500 hours x \$50/hour		75,000.00	75,000.00
	City of Watsonville Parks Maintenance Staff Tree Planting, Establishment	1600 hours x \$25/hour	20,000.00	20,000.00	40,000.00
	Watsonville Wetlands Watch Support for Planning, Outreach, UFMP, Tree Planting, Establishment	5500 hours x \$30/hr	143,800.00	21,200.00	165,000.00
	Volunteer Labor for Tree Planting and Care, Engagement Activities	2100 hours x 31.51/hr		66,171.00	66,171.00
<b>B. Employee Benefits</b>			<b>51,200.00</b>	<b>32,350.00</b>	<b>83,550.00</b>
	City of Watsonville Staff	1200 hours x \$15/hour		18,000.00	18,000.00
	City of Watsonville Parks Maintenance Staff	2 staff @1600 hrs x \$9/hr	7,200.00	7,200.00	14,400.00
	Watsonville Wetlands Watch Support for Tree Planting, Inventory, Urban Forest Management Plan, Ordinance	5500 x 9.30/hr	44,000.00	7,150.00	51,150.00
<b>C. Contractual</b>			<b>338,800.00</b>	<b>10,000.00</b>	<b>348,800.00</b>
	Tree Canopy Analysis, Inventory, Outreach, UFMP, Ordinance	Consultant	269,000.00	10,000.00	279,000.00
	Develop site specific project designs	30 planting plans	16,000.00		16,000.00
	Sidewalk and concrete cutting to prepare tree plantings	\$2,500 per cut-out, 10 cut- outs	25,000.00		25,000.00
	California Conservation Corps, tree planting and tree establishment	Labor calculated at \$24/hr, 1200 hours	28,800.00	0.00	28,800.00
<b>D. Travel</b>			<b>0.00</b>	<b>560.00</b>	<b>560.00</b>
	Mileage	1000 miles x \$0.56/mile	0.00	560.00	560.00
<b>E. Supplies</b>			<b>28,930.00</b>	<b>550.00</b>	<b>29,480.00</b>
	Trees (260) & Replacement Trees (13)	273 #15 trees @ \$75/tree 273 @ \$10.00/tree, 820 @	20,475.00	0.00	20,475.00
	Tree Stakes, Ties, Mulch	\$0.70/tree, 120 yd @22/yd	5,944.00	0.00	5,944.00
	Hand Tools	50 @ \$25	0.00	550.00	550.00
	Irrigation Materials	Hoses, fittings, and hand watering materials	1,591.00	0.00	1,591.00
	Project sign	1 sign	400.00	0.00	400.00
	Tree tags	260 @\$2.00/tree	520.00	0.00	520.00
<b>F. Equipment</b>			<b>3,150.00</b>	<b>6,000.00</b>	<b>9,150.00</b>
	Tractor rental for planting preparation	7 days, \$450 per day	3,150.00	1,500.00	3,150.00
	Water Buffalo, misc. small equipment			4,500.00	4,500.00
<b>G. Outreach/Education</b>			<b>10,520.00</b>	<b>1,520.00</b>	<b>12,040.00</b>
	Tree care pamphlets and other Outreach/Ed materials	2000 @ \$3.00/ea. Paid advertising for	6,220.00	1,520.00	7,740.00
	Engagement Materials Advertising	community engagement	4,300.00	0.00	4,300.00
<b>H. Other</b>			<b>28,600.00</b>	<b>0.00</b>	<b>28,600.00</b>
	Post Grant Maintenance	\$110/tree	28,600.00	0.00	28,600.00
<b>TOTAL DIRECT COSTS</b>			<b>625,000.00</b>	<b>233,351.00</b>	<b>858,351.00</b>
<b>INDIRECT COSTS</b>		<b>12%</b>	<b>75,000.00</b>		<b>75,000.00</b>
<b>TOTAL PROJECT COSTS</b>			<b>700,000.00</b>	<b>233,351.00</b>	<b>933,351.00</b>
<b>LESS Program Income</b>			<b>0.00</b>		<b>0.00</b>
<b>TOTAL GRANT PROPOSED COSTS</b>			<b>700,000.00</b>	<b>233,351.00</b>	<b>933,351.00</b>
			<b>75.00%</b>	<b>25.00%</b>	<b>100.00%</b>





# Watsonville Community Forest Project

## Urban Canopy Cover and Community Planting Focus Area

