SAN MATEO COUNTY
Sustainability Department

October:

RICAPS Monthly Meeting

October 27, 2026



C/CAG City/County Association of Governments of San Mateo County

SAN MATEO COUNTY ENERGY WATCH

westlight energy

RICAPS technical assistance is available due to funding from the City/County Association of Governments (C/CAG), WestLight Energy, and the San Mateo County Energy Watch program, which is funded by California utility customers, administered by Pacific Gas and Electric Company (PG&E) under the auspices of the California Public Utilities Commission.

Agenda

Time	Item
12:30 – 12:35 pm	Welcome & Agenda Review
12:35 – 12:45 pm	Announcements
12:45 – 1:45 pm	Stanford
1:45 – 2:15 pm	Flood Preparedness from OneShoreline
2:15 – 2:55 pm	Jurisdiction Round Robin
2:55 – 3:00 pm	Meeting Closing

Announcements



Help Shape Future Zonal Electrification Efforts

Monday, Nov. 2nd

PG&E is seeking input from organizations interested in current and future zonal electrification initiatives, including

- Alternative Energy Program (AEP)
- Zonal Equity Electrification Pilots (ZEEP), such as Powerful Neighborhoods and Electrify My Block
- Potential activities related to SB 1221 or others.

Please complete the PG&E Zonal Electrification Stakeholder Interest Form **by Nov. 2nd** to share your organization's experience, capabilities, community relationships, and perspectives.

See RICAPS newsletter for link.

Air District Board Meeting

Wednesday, Nov. 4th

At 10am at 375 Beale St, San Francisco, the Air District will be meeting to discuss amendments to Rule 9-4 and 9-6.

Consider making a public comment as allowable by your organization/jurisdiction. Wear blue with the Sprint to 9-6 Community Engagement Group to support clean air if you'd like!

Bay Area Air District

Group Photo



Stanford



Supporting Regional Climate Action Through University-Community Partnerships

Tuesday, October 27, 2026

Stanford | Haas Center for Public Service
The Hub of Cardinal Service

Stanford University

Introductions

Stanford | Haas Center for Public Service
The Hub of Cardinal Service



Brandon Reynante (he/him)

Director of Community Engaged Learning in Environmental Sustainability

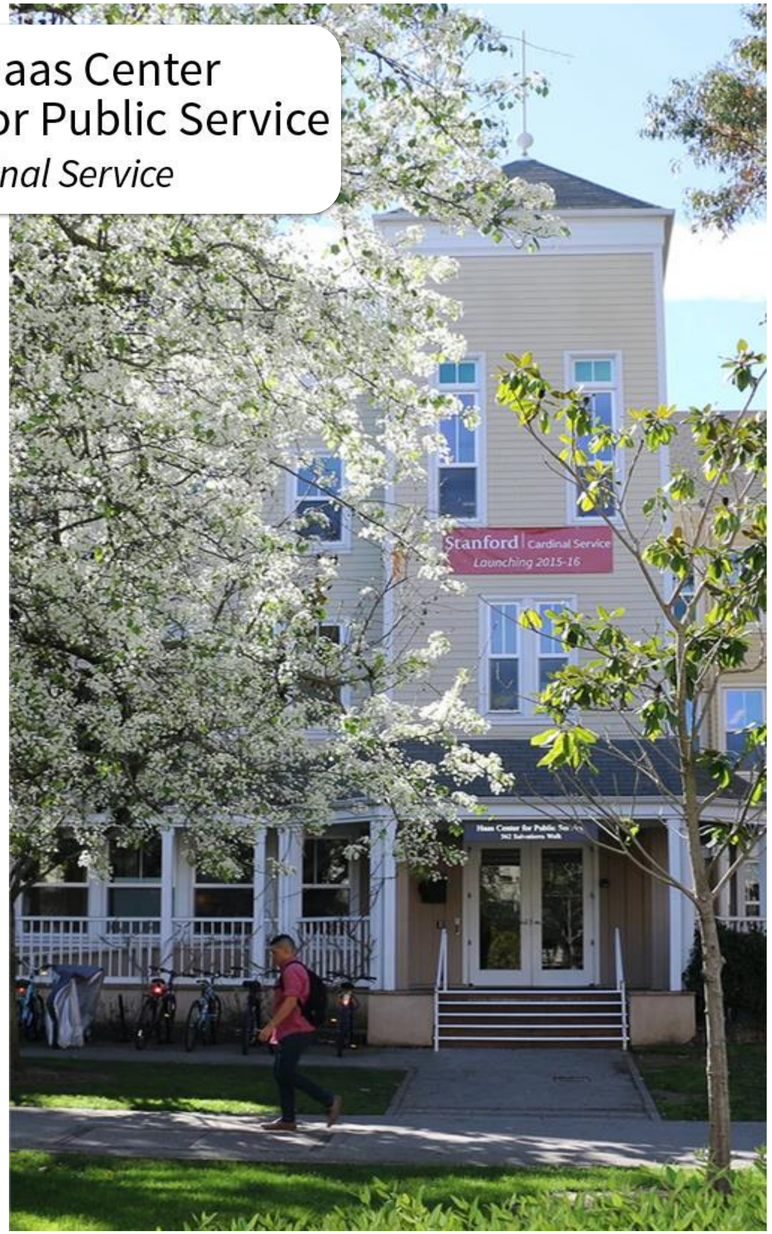
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University-Community Partnerships

- Rectifying historical harms
- Purpose of higher education
  - Responding to contemporary societal challenges
  - **“Focus [a university’s] resources [academic and non-academic] … to assist in local problem solving work”** (Hodges and Dubb, 2012)
- Student benefits
  - Experiential and service-learning
  - Place-based education
    - Sense of place → Place-protective behaviors & actions (Ardoin)



Credit: /u/Bob_0101



The Stanford Daily

Op-Eds

Opinion | Gentrification Nation: How Stanford (and its students) contribute to Bay Area displacement



Author Kamilah Arteaga discusses the ways in which Stanford (and Stanford students) contribute to gentrification in the Bay Area, and argues for more affordable housing for all Stanford affiliates. (Wikimedia Commons)



Haas Principles of Ethical & Effective Service

- Humility
- Respect and Inclusion
- Reciprocity
- Preparation
- Safety and Wellbeing
- Accountability
- Evaluation
- Learning and Reflection







Public Service Pathways

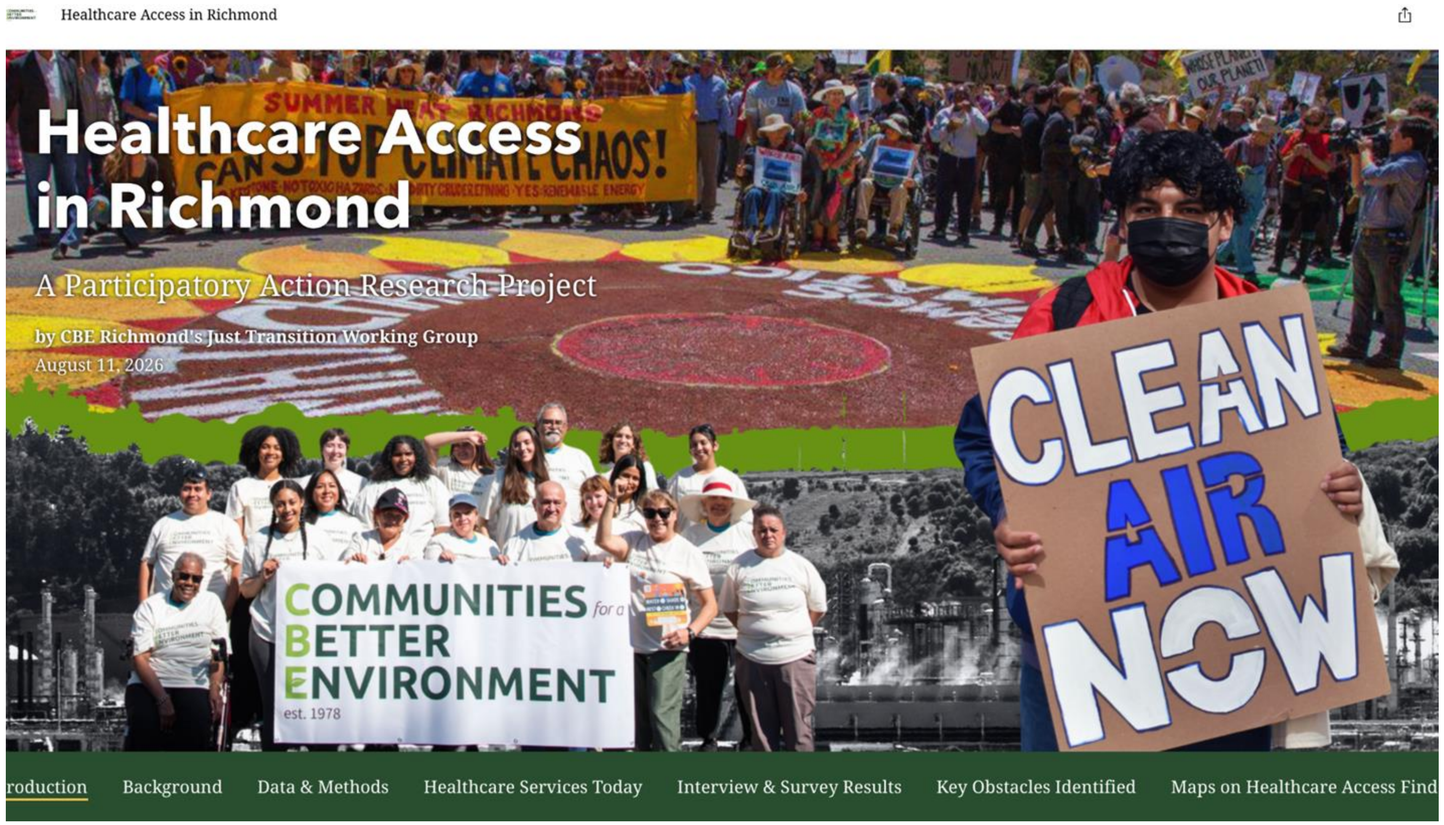
- Community-Engaged Learning and Research
- Direct Service
- Policy and Governance
- Community Organizing and Activism
- Philanthropy
- Social Entrepreneurship and Corporate Social Responsibility

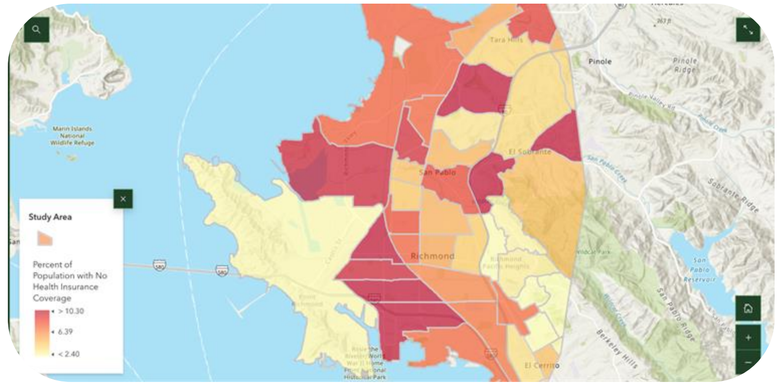


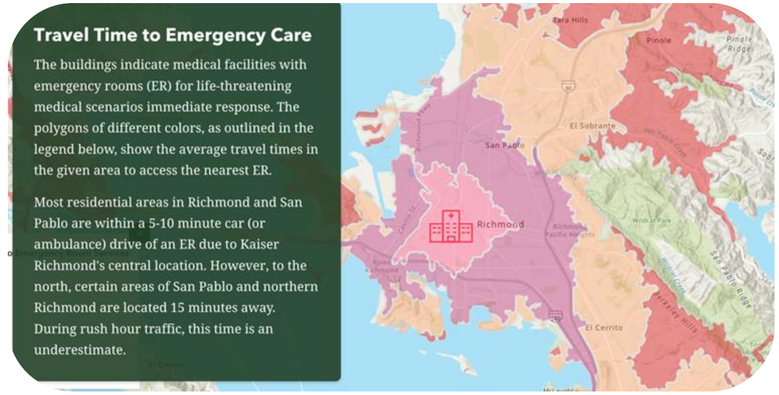
Engagement Opportunity	Duration	Hours	Timeline
Summer Internships (Cardinal Quarter)	8-12 weeks	35-40 hrs/wk	Aug - Nov: Partners submit project ideas Dec - Feb: Student Application Period June - Aug: Internship Period
Community Service Work-Study (CSWS)	Summer: 9 wks Academic Year: 10 wks/ qtr	Summer: up to 40 hrs/wk Academic Year: up to 15 hrs/wk	Feb - April: Partners submit project ideas for summer June - Aug: Work-study period (summer) June - Aug: Partners submit project ideas for AY Oct - June: Work-study period (AY)
Graduate Public Service (GPS) Fellowship	Academic year (Sept-June)	5-10 hrs/week	Projects identified during summer (June - Aug)
Community-Engaged Research	Varies depending on project		Varies - keep us posted on your projects! Summer a good time to scope projects
Community-Engaged Courses (Cardinal Courses)	10 weeks	<5 hrs/wk per student	Fall Quarter: Oct - Dec Winter Quarter: Jan - March Spring Quarter: April - June Partnership discussions occur during prior quarter
Volunteering	Varies depending on partner need and student availability		One-off: Give 2-4 week notice Sustained: Fall and Winter Quarter best times to recruit

St

Summer Internship: Health Access Storymap







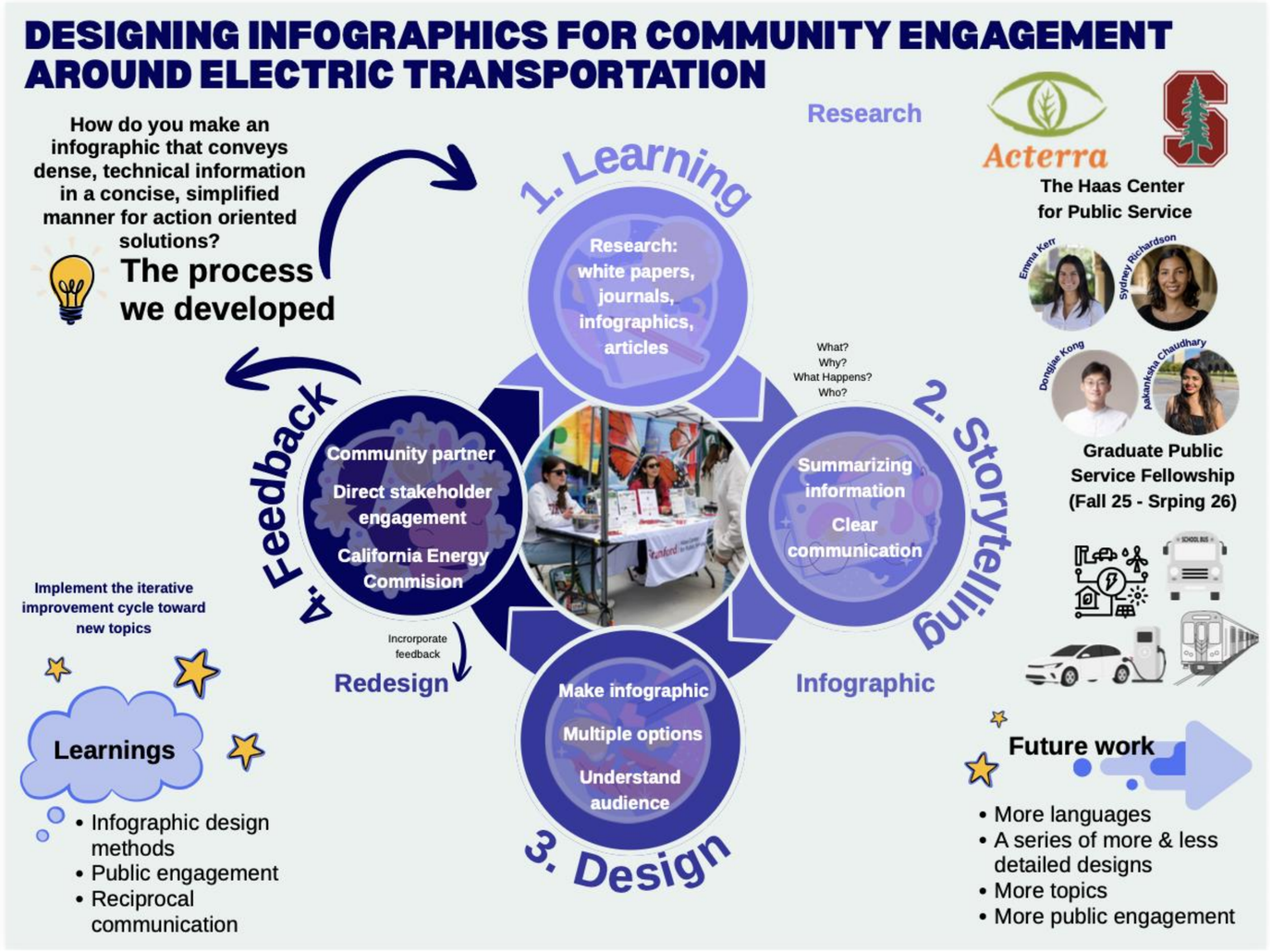
> *"The thing is, we really need a hospital in this area again. Because we have more people now, and it gets incredibly crowded. So, sometimes you have to wait hours and hours and hours just to get seen. It's not the staff's fault; it's just that there's only one emergency hospital."*
>
> - Richmond Resident

Community Service Work- Study (CSWS)

- Partner Eligibility Requirements: **Non-profits, government agencies, tribes**
- Student Eligibility Requirements: Must be on financial aid
- Eligible Projects:
  - Development & fundraising
  - Canvassing/surveys/outreach/ education
  - Facilitating & planning meetings/workshops
- Keywords to **avoid**: research, policy/politics, voting/voter outreach



GPS Fellowship: Electric Transit Infographics





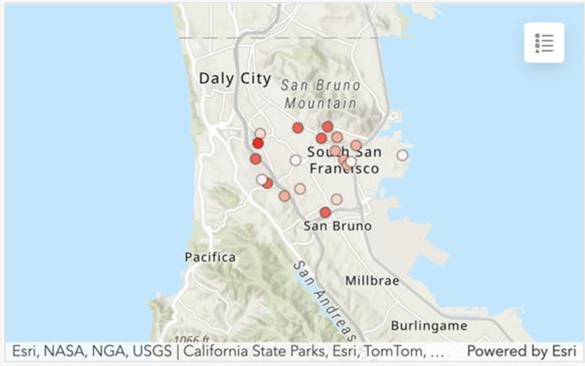
Capstone: Air Quality in South City



How to use this map:
First, use the menu on the left to select a location to view information on air quality and health. Air quality data is taken from Purple Air Monitors. Health data is taken from CalEnviroScreen and shows the percentile (rank) of that health condition in California. For example, an asthma percentile of 60 means that that location has higher asthma rates than 60% of California. On the right, you can find links to resources and more information.

According to the World Health Organization, the Air Quality Index (AQI) should not exceed 57 for more than 3-4 days per year.

The map indicates the number of days in 2023 when the average daily AQI was greater than 57.



Air Quality in South San Francisco, 2023

Days Above Threshold in 2023

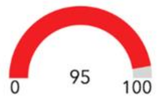
- 24 or more days
- 19-23 days
- 12-18 days
- 5 -11 days

26

Days above threshold



Asthma (Percentile)



Low Birth Weight (Percentile)



Cardiovascular Disease (Percentile)

Air pollution has been linked to numerous health conditions, including **asthma, low birth weight**, **cardiovascular disease**, and more.

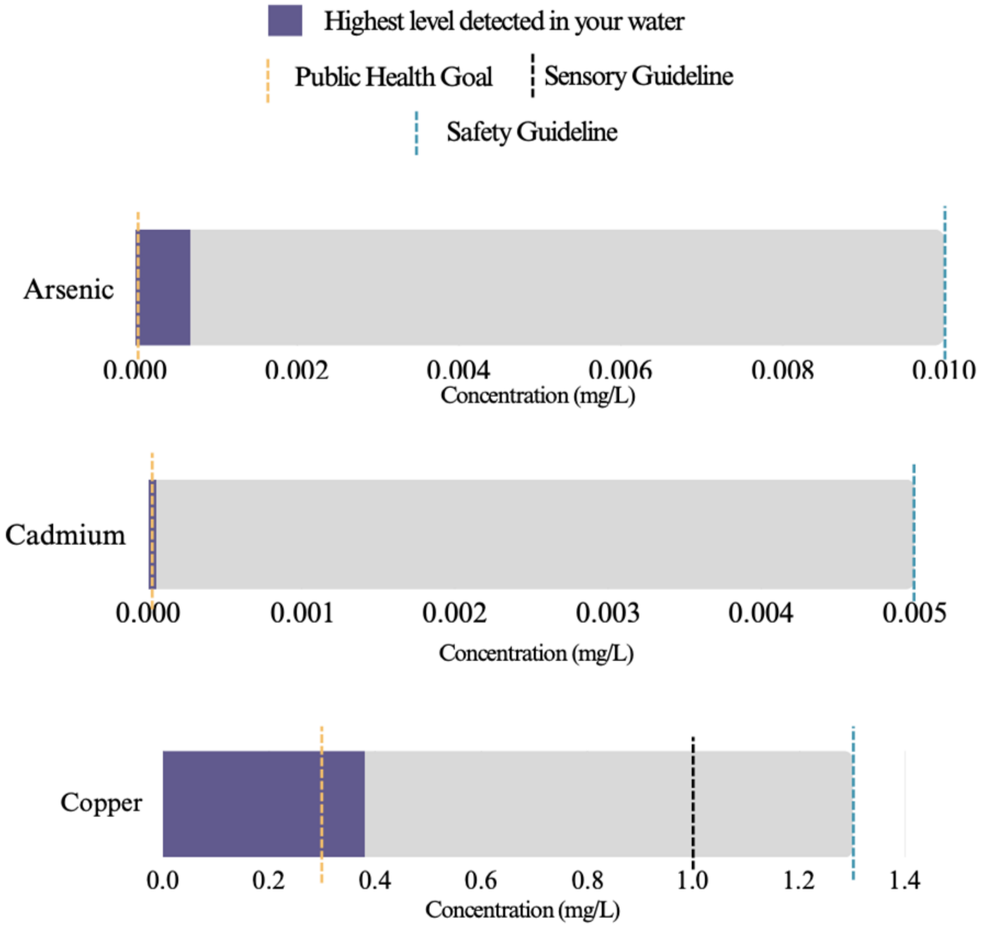
Asthma is a chronic health condition where airways become inflamed. People with asthma may experience wheezing, breathlessness, and coughing.

Low birth weight is when a baby weighs less than 5.5 pounds at birth. Babies born at low birth weight may have an increased risk of serious health problems.

Cardiovascular disease refers to conditions that impact the heart and blood vessels. Cardiovascular disease is the leading cause of death globally.

In South San Francisco, emissions from the **101**

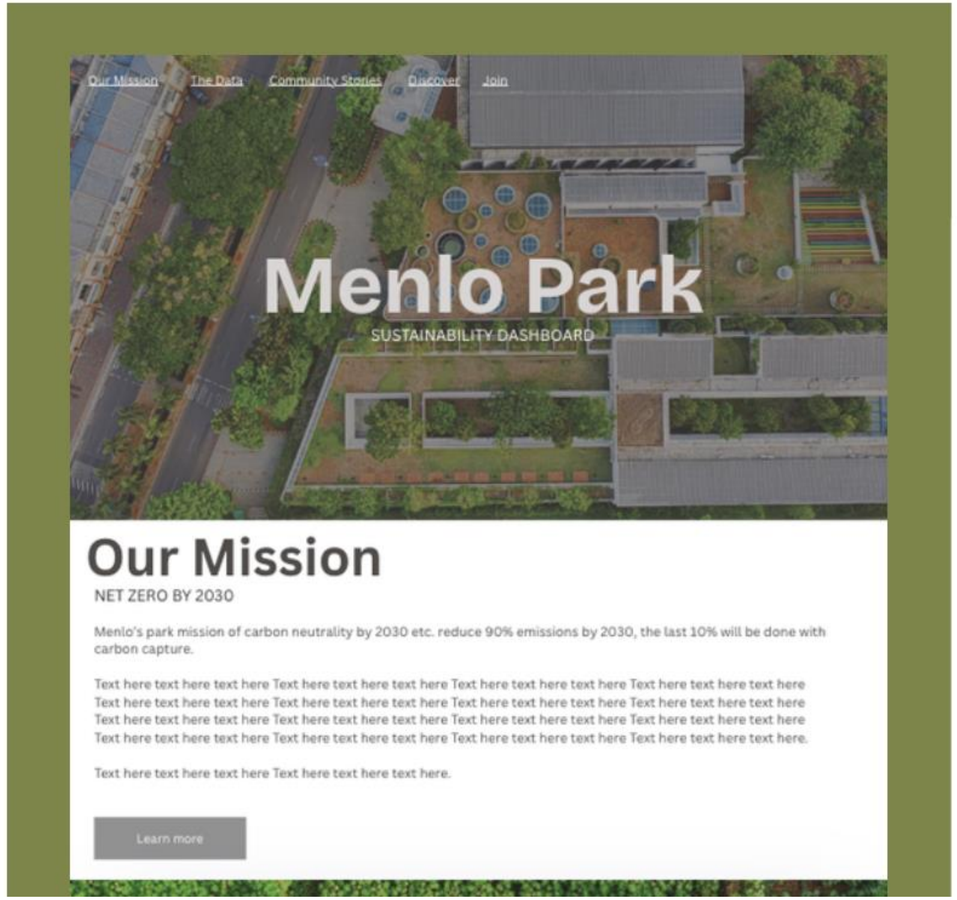
Research Project: Water Quality in EPA





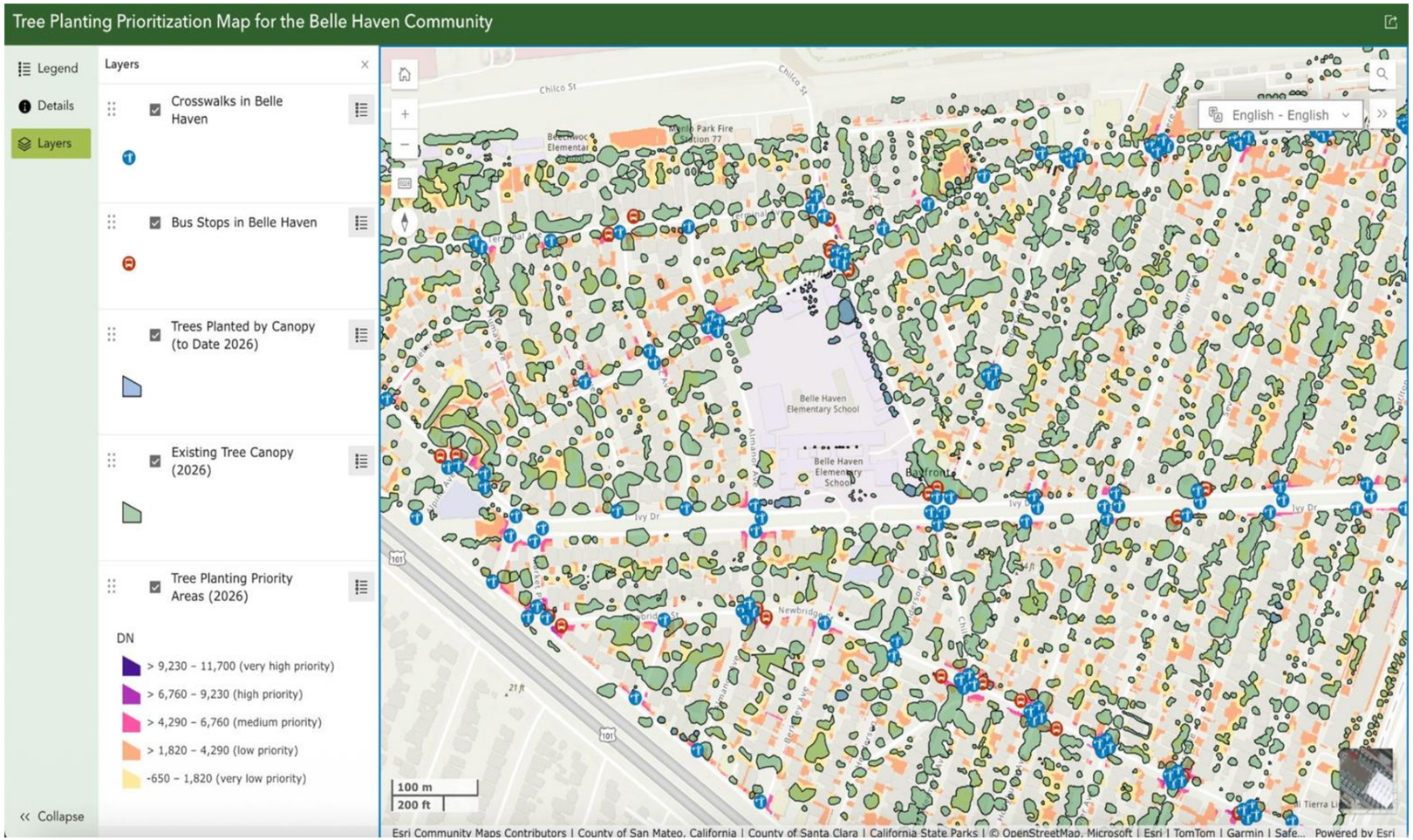
"Water isn't just something we turn on—it's tied to our livelihoods, our jobs, and how we care for our families."

Course: Sustainability Dashboard for Menlo Park





Course: Tree Prioritization in Belle Haven



Course: Urban Tree Equity in SMC

Sustainable San Mateo County
Economy. Equity. Environment.

Total Heat Exposure

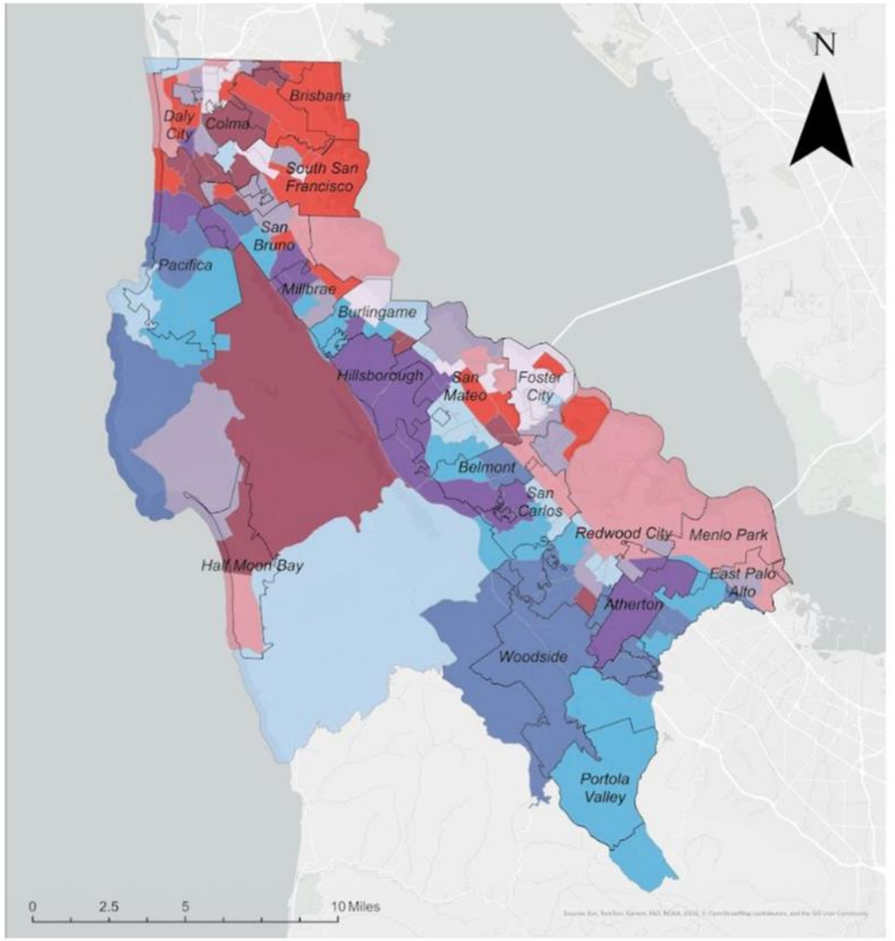
Heat Waves - Total Exposure (2025)

Urban tree canopy cover (2022)

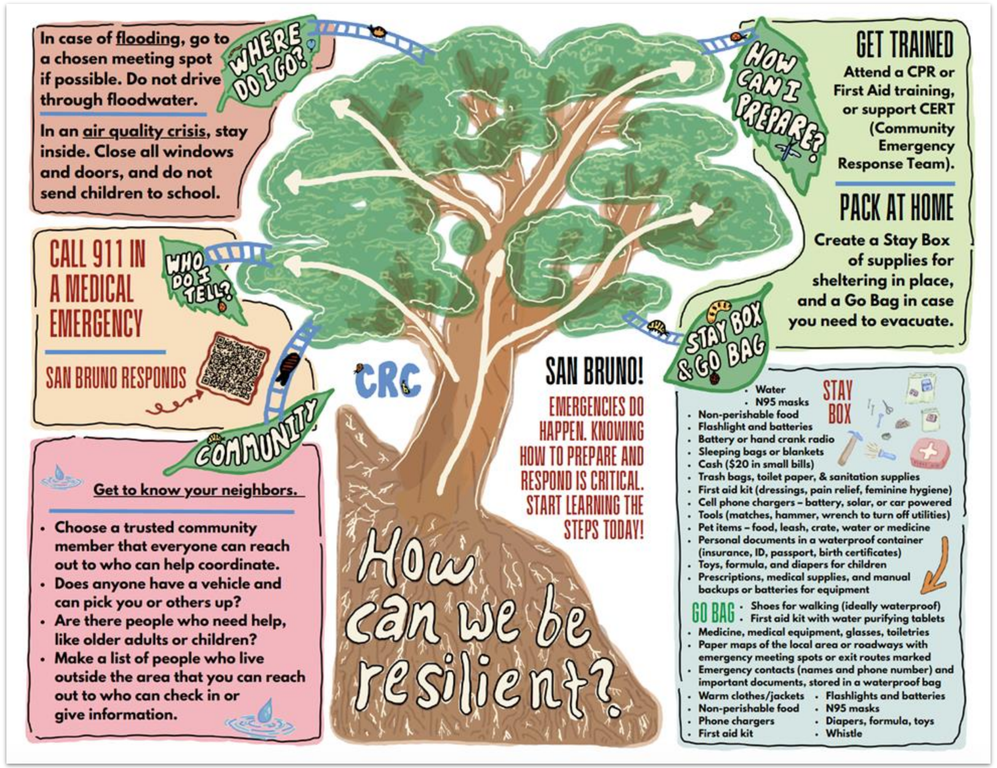
High
Low
Low High

Pictured: San Mateo County census tracts with greater than 10% census-designated urban land cover (169 tracts total). Data grouped by terciles.

Sources: US Census (2020), FEMA National Risk Index v1.20, CAL FIRE California urban canopy cover.



Volunteer Collaborations



Remotely: A student volunteer designed a zine for the San Bruno Resilience Fair, hosted by Climate Resilient Communities in April. The Haas Center also brought a team of students to help with day-of event production.



On-site: Students helping to install residential rain gardens w/ Climate Resilient Communities to prevent neighborhood flooding and increase groundwater absorption.

Student Organizations

- Students for a Sustainable Stanford (SSS)
  - Environmental Justice Team, Resilience Hub Project
- Sprout Up (Environmental Volunteers)
- Stanford Climate + Health
  - Cool Cities Coalition
- Data and Mapping for Society (DAMS)
- Engineers for a Sustainable World
- Stanford Energy Club
- Environmental Law Society
- Stanford Outdoor Outreach Program (SOOP)
- Events:
  - Stanford Climate Week
  - Earthtones







Partnerships for Climate Justice in the Bay Area

A place-based initiative (PBI) of the Haas Center

PCJ in the Bay Overview

- Launched in 2021
- Place-based initiative (PBI)
  - **Long-term commitment**
  - Specific geographic region
  - **Equal emphasis** on both positive community impact and enhanced student learning
  - University-wide engagement
  - Collective impact



Climate Resilience and Health



Food Justice



Energy Equity



Youth Climate Education



Core Community Partners

Belle Haven Action
advocacy • inclusion • collaboration

NFOCA

valley VERDE
PLANT • EAT • SHARE

Acterra
ACTION FOR A HEALTHY PLANET

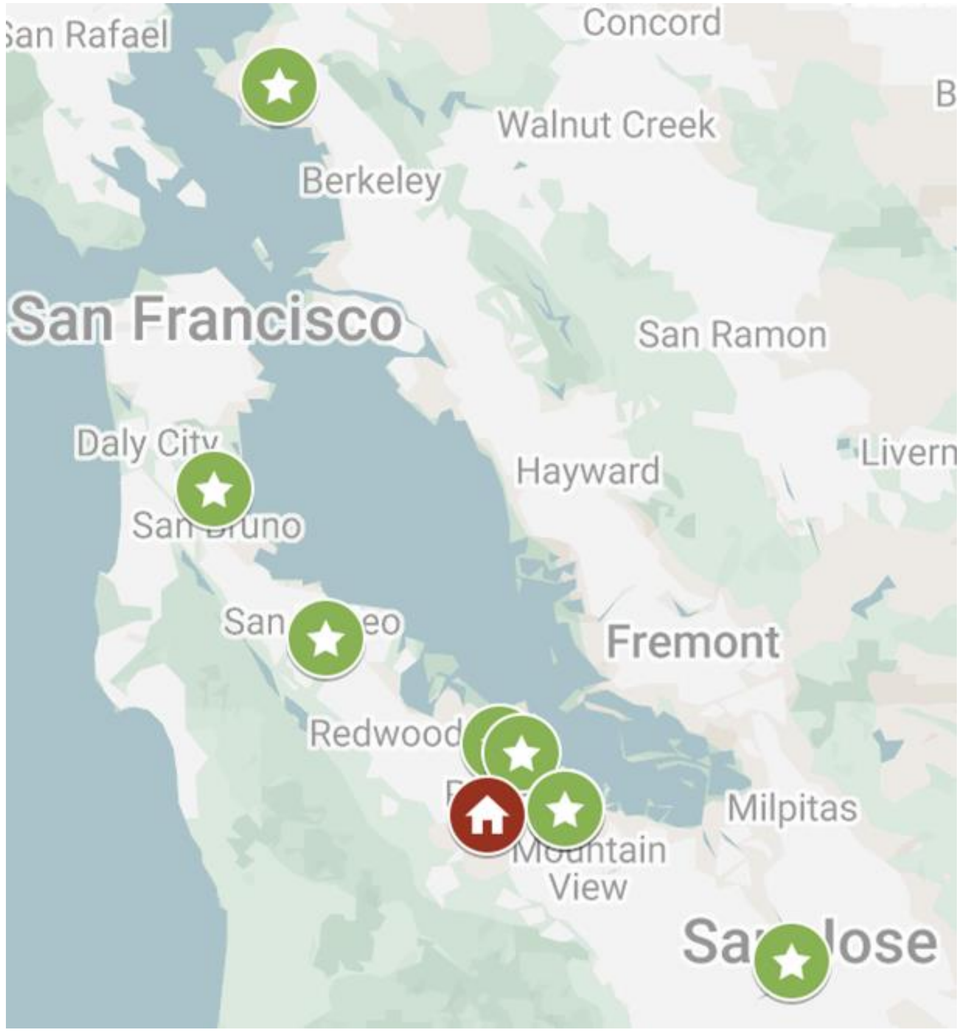
Nuestra Casa

COMMUNITIES FOR A BETTER ENVIRONMENT
40th est. 1978

CRC
CLIMATE RESILIENT COMMUNITIES

OneShoreline
Building Solutions for a Changing Climate

Rise
south city



PCJ Advisory Board

Community Partner Org Representatives

Academic Departments:

- Earth Systems
- Biology
- Stanford Law School
- Public Policy
- Civil and Environmental Engineering
- Emmett Interdisciplinary Program in Environment and Resources (E-IPER)

Institutes / Research Centers:

- Woods Institute for the Environment
- Precourt Institute for Energy
- Center for Human and Planetary Health
- Center for Just Environmental Futures

Other:

- Environmental Justice Working Group
- Students for a Sustainable Stanford

PCJ Strategic Priorities for AY26-27

Strengthen “climate and health” thematic area

- Partnership with Center for Human and Planetary Health
- Climate mental health and resilience
- Partnership with Electrification for Health Initiative
- Connect with health-focused student groups

Expand community-based research and impact evaluation efforts

- Increased student research participation
- Research deliverables that can support grant applications, influence policy, etc.
- Assess community impact

Explore new ways of connecting key stakeholders with PCJ

- Reach more PCJ summer fellowship applicants from underrepresented fields
- Improve stakeholder knowledge of each others’ work
- Enhance students’ understanding of PCJ and the local context

Collaboration Brainstorm

Write your ideas on sticky notes - one idea per sticky note

Place-Based Education:

- What do you wish Stanford students knew about SMC in the context of climate change & climate action?
  - i.e. Places they should go/see, knowledge or concepts they should be aware of, people to meet
- Does your org have programming you could offer to Stanford students (e.g., field trips/tours, volunteer opportunities)?

Haas Partnership Opportunities:

- How could you see your organization partnering with the Haas Center at Stanford?
- Which of the engagement modalities (i.e. student volunteers, course collaborations, research projects) would be most helpful to you & your current priorities?

Collaboration Discussion

1. *Discuss at your tables*
2. *Add most promising ideas to stickies*
3. *Add a contact to your stickies so we can follow up*

Discussion Prompts:

- Of the priorities and ideas you wrote down or discussed, where is there overlap with other RICAPS participants?
- What topics, issues, or opportunities could be addressed at the county level, as a collective – and how does Stanford fit in?

Gallery Walk

1. *Add your stickies to the posters around the room and read other responses*
2. *For ideas you'd like to "plus one," add your initials to the sticky or attach another sticky note with comments/support/insights*

Follow up with us!

If you had a great idea you want to pursue, please reach out!

Thank you for your time and participation.

haas.stanford.edu

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Program Associate for Environmental Sustainability

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OneShoreline



Understanding El Niño



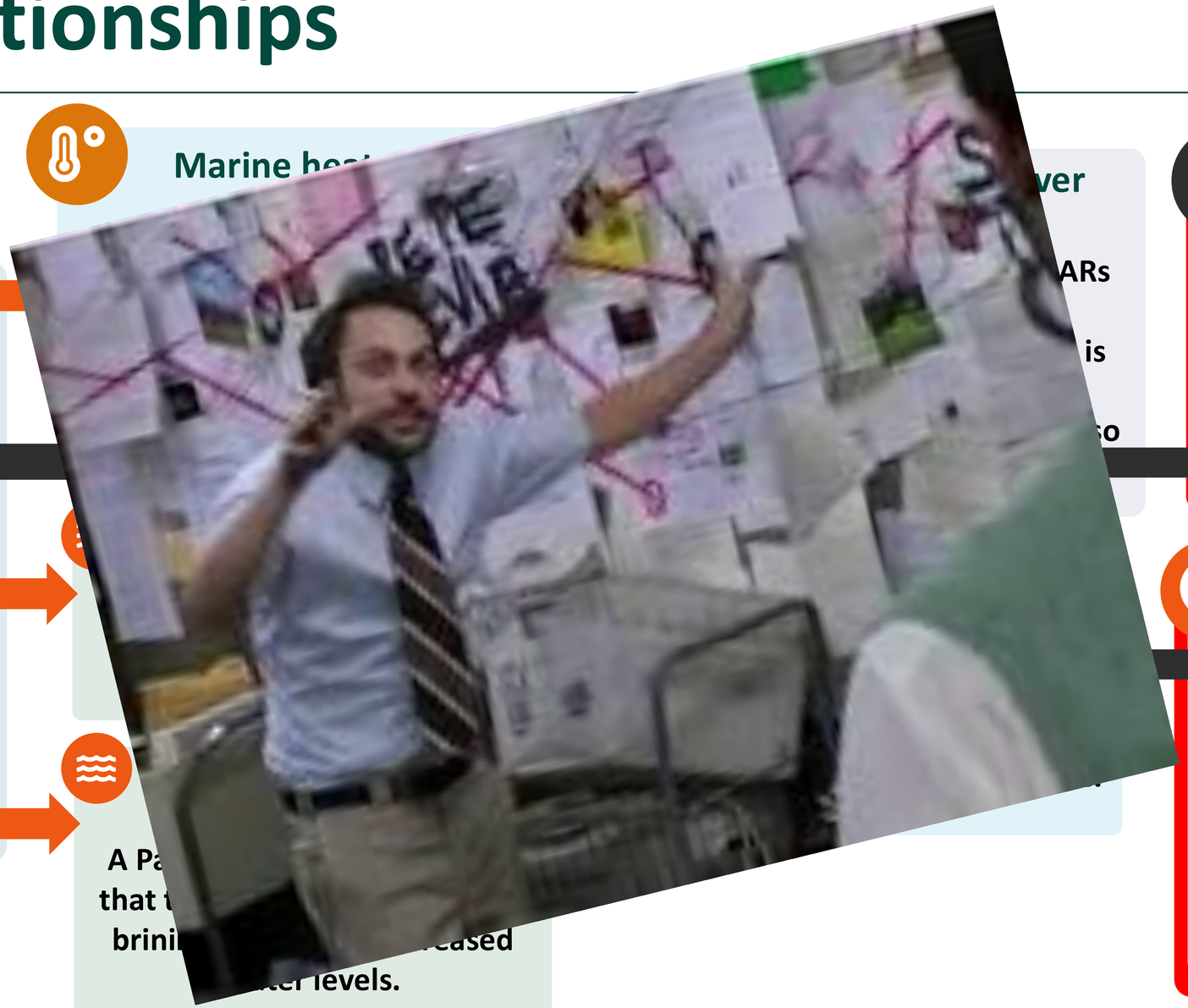
Key Relationships

El Niño

Regular climate phenomenon due to southern oscillation.

Measured by Niño 3.4, or how much warmer than normal the central equatorial Pacific is.

Warm water weakens trade winds, letting warm water spread east.



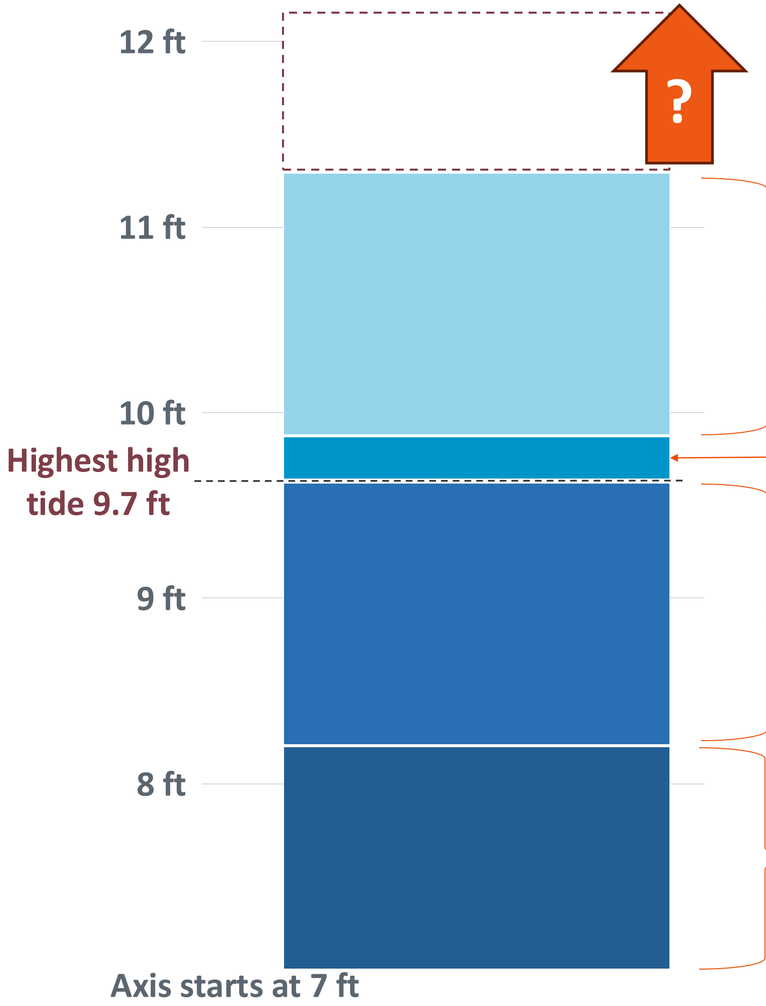
Heavy rain & coastal flooding

Drainage and flow restricted. A wetter, more intense storm is likely not guaranteed. Impact depends on which storms arrive and when.

Highest high tide

Regular astronomical phenomenon.
High tide. 2x per day
Highest high tide. 6-8x per year or when a new or full moon meets the moon's closest approach, “perigean Spring tide.”
King Tide: No clear definition!

Winter Coastal Flooding is Here



Storm surge, waves, swell.
Weather, atmospheric pressure. Unknown.

Kelvin wave + thermal expansion
El Niño & marine heat wave. +1.4 ft (18 inches) today

Sea-level rise
Global warming. ~8 inches in 100 yrs.

Highest high tide
Astronomical. Estimated +1.4 ft MLLW on Dec 24

Typical high tide
Astronomical. 8.2 ft MLLW Long-term average

10.4 to 11.3 ft

Illustrative low-to-high total at Redwood City on Dec 24, before storm surge (MLLW)

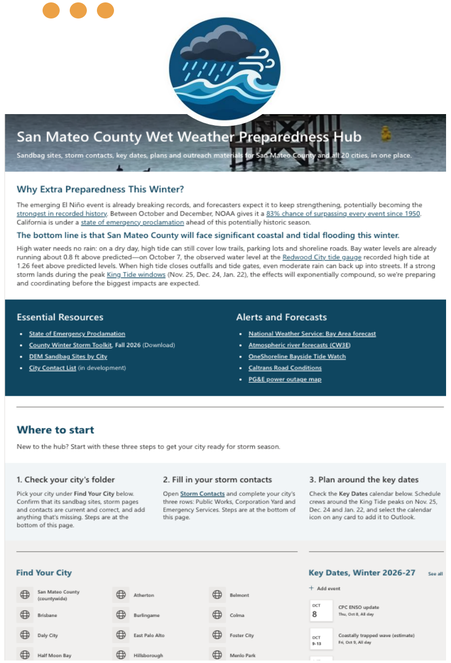
9.7 ft

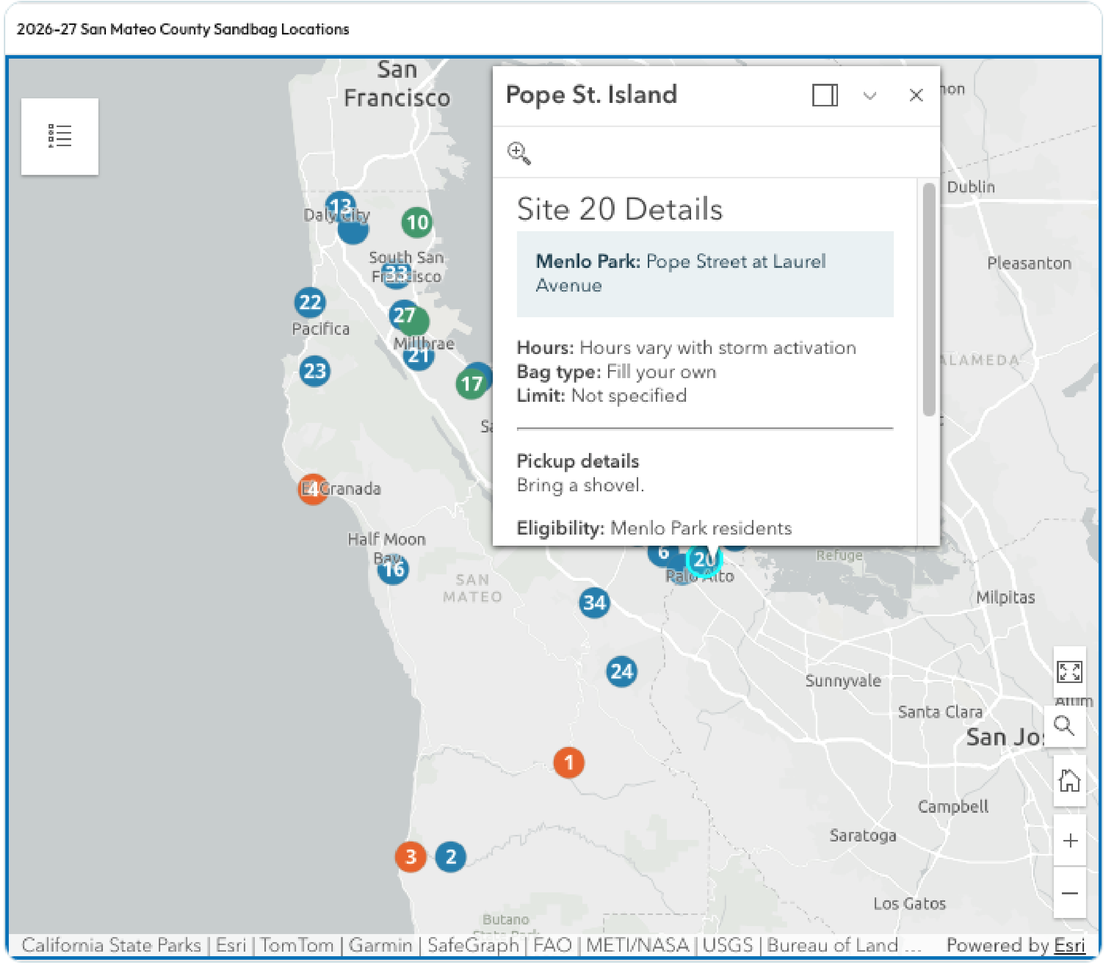
Highest astronomical tide (HAT) in the 1983-2001 reference period

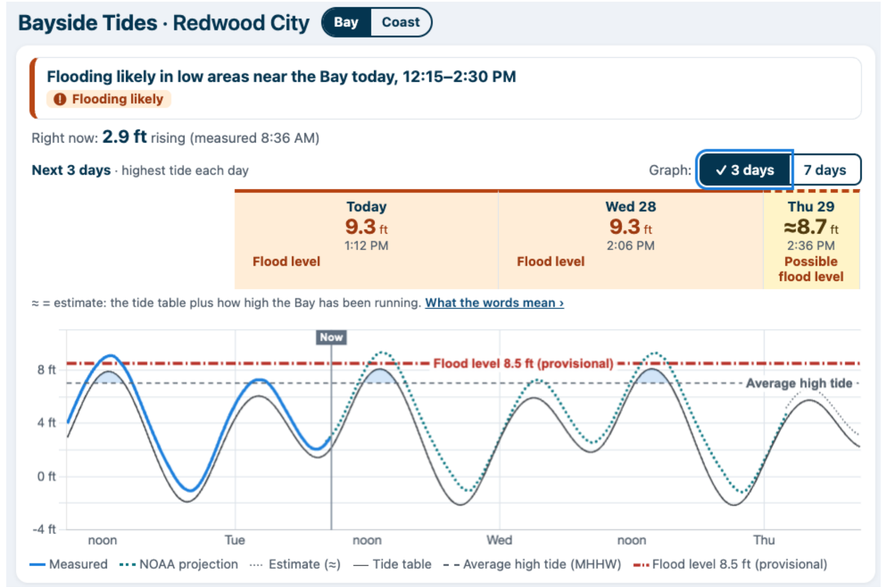




OneShoreline Resources





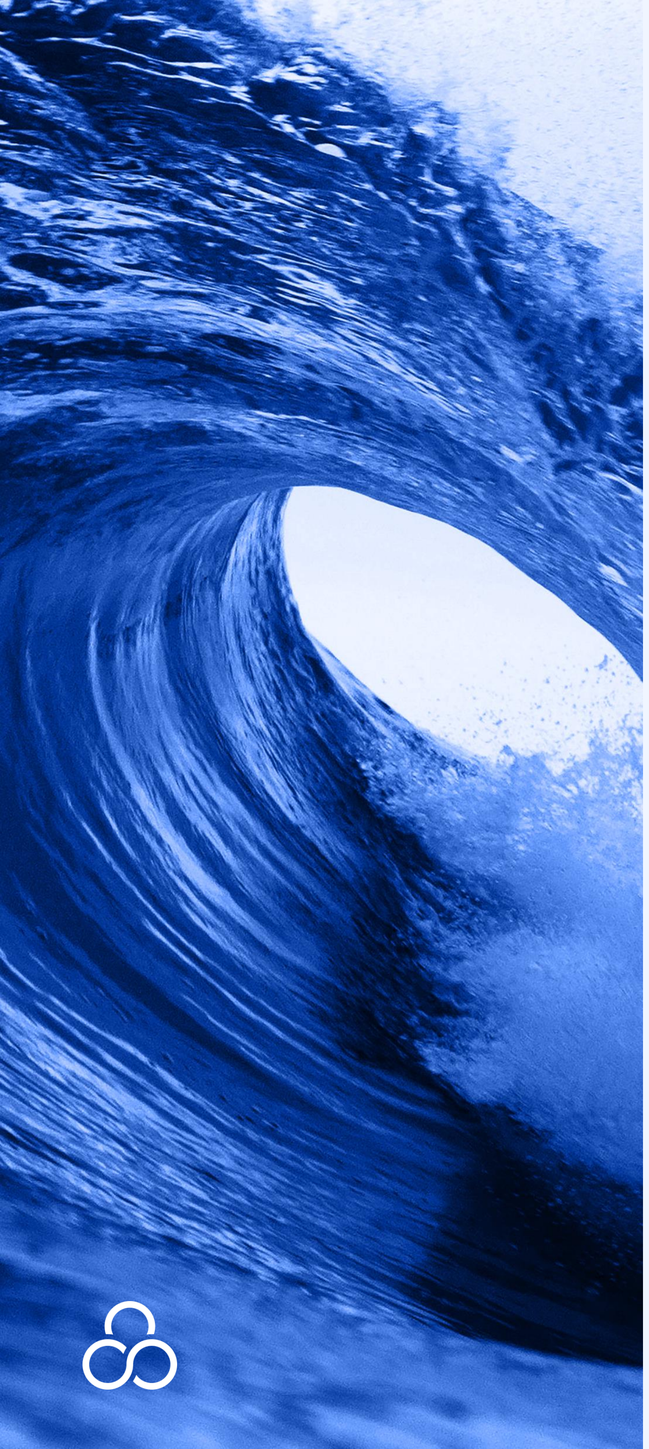


Discussion



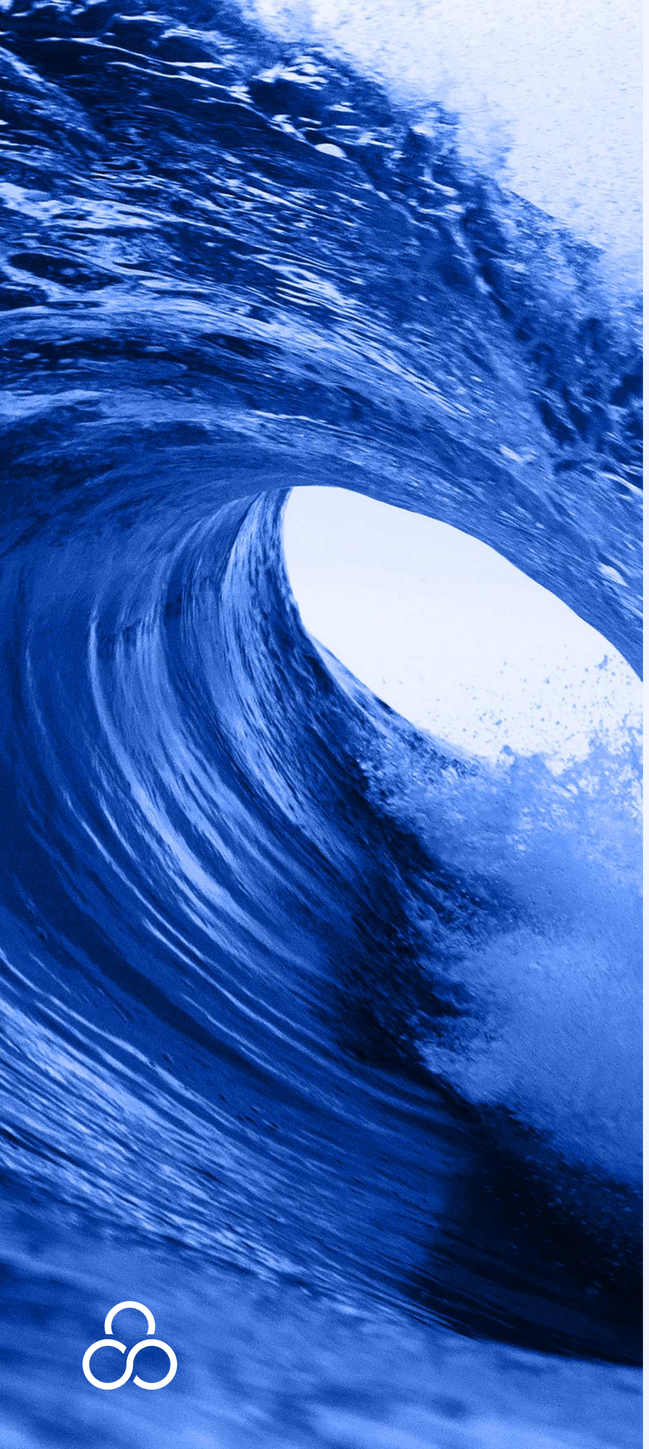
Jurisdiction Round Robin





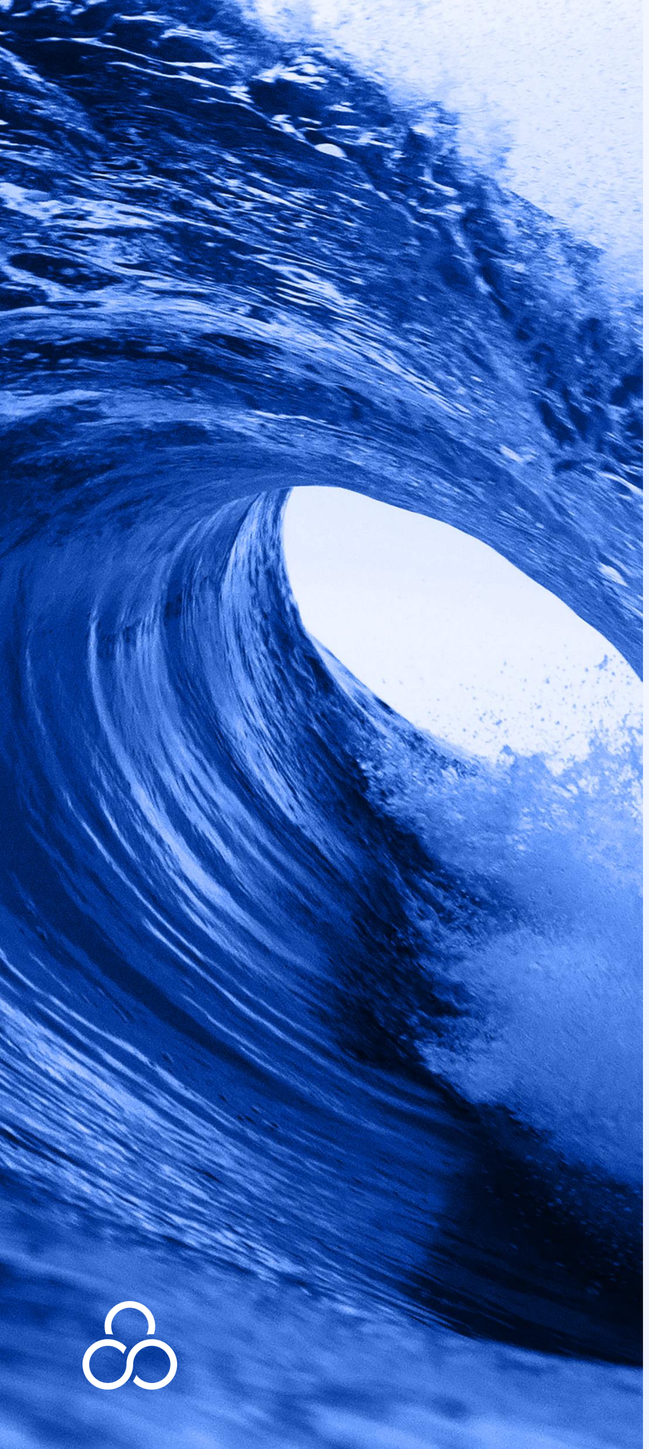
Jurisdiction Round Robin – GHG Inventories

1. Have you received and reviewed your Greenhouse Gas inventory?



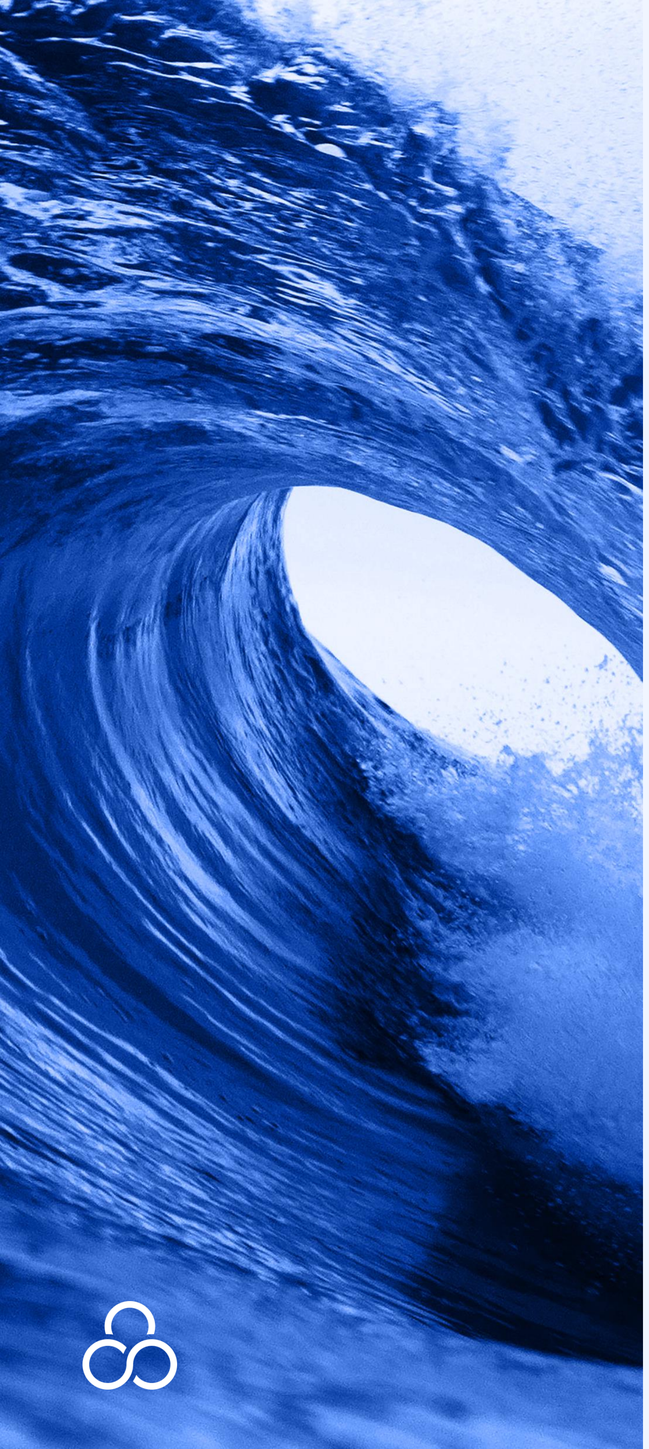
Jurisdiction Round Robin – GHG Inventories

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Jurisdiction Round Robin – GHG Inventories

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2. What does the data bring up for you (surprises, concerns, excitement)?
3. What do you plan to do with the inventory in your jurisdiction?



Jurisdiction Round Robin – GHG Inventories

1. Have you received and reviewed your Greenhouse Gas inventory?
2. What does the data bring up for you (surprises, concerns, excitement)?
3. What do you plan to do with the inventory in your jurisdiction?
4. What should we do with them as RICAPS?

SAN MATEO COUNTY
Sustainability Department







Thank you.

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