

# Climate and Racial Equity Forum

**Molly Williams**

Environmental Scientist

Office of Public Participation

July 7, 2023

[waterboards.ca.gov/climate](https://waterboards.ca.gov/climate)



# Welcome and Logistics

**Molly Williams**

Environmental Scientist

Office of Public Participation

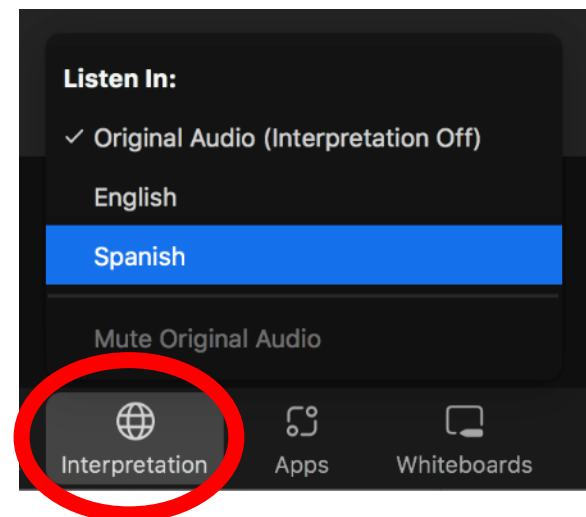
July 7, 2023

[Waterboards.ca.gov/climate](https://waterboards.ca.gov/climate)



# Logistics

1. To participate in the Q&A, you must be on the Zoom
  - Register at [bit.ly/cre-zoom](https://bit.ly/cre-zoom)
  - Questions can be asked either live or written through the Q&A box
2. English webcast on YouTube: [bit.ly/cre-forum](https://bit.ly/cre-forum)
3. Spanish and English webcasts available at [video.calepa.ca.gov](https://video.calepa.ca.gov)
4. Recordings and slides (in English and Spanish) will be available on [waterboards.ca.gov/climate](https://waterboards.ca.gov/climate)
5. To hear Spanish audio, click the “Interpretation” globe button on the toolbar to switch audio channels
  - English will be on "original audio"





# Forum focus: Hearing from Climate & Water Researchers & Advocates

- State Water Board Climate & Racial Equity Overview
- CalEPA Opening Remarks
- Research Panel
- Advocacy Panel
- 10-Minute Break
- Panel Discussion
- Audience Q&A

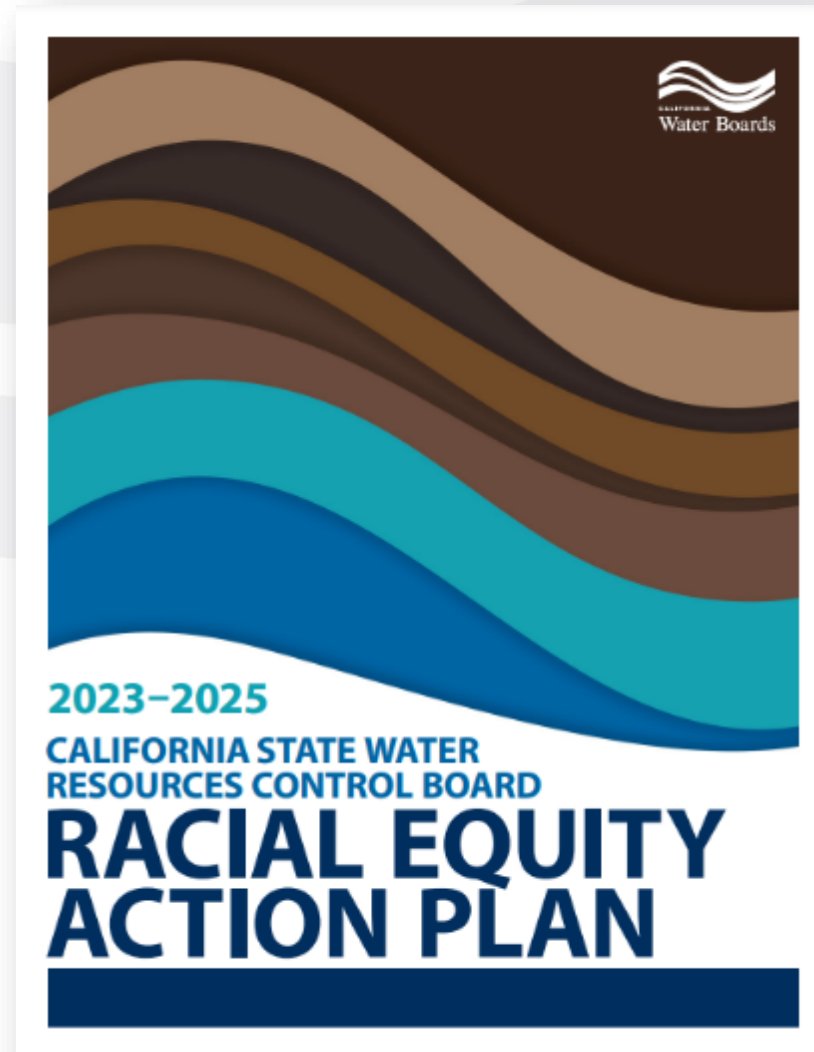
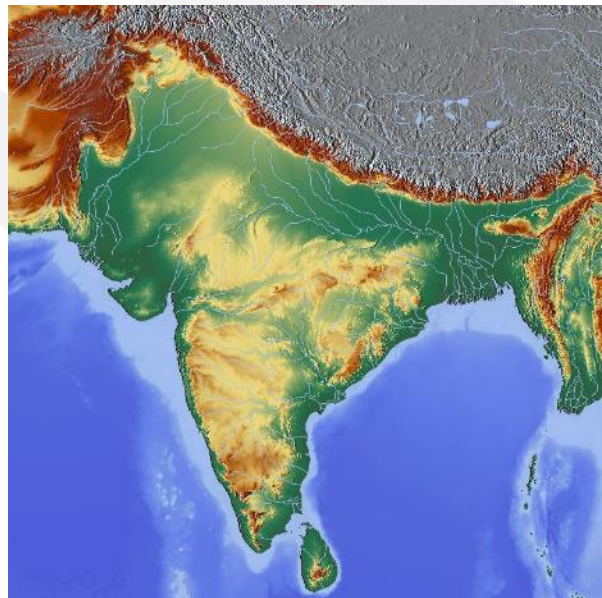
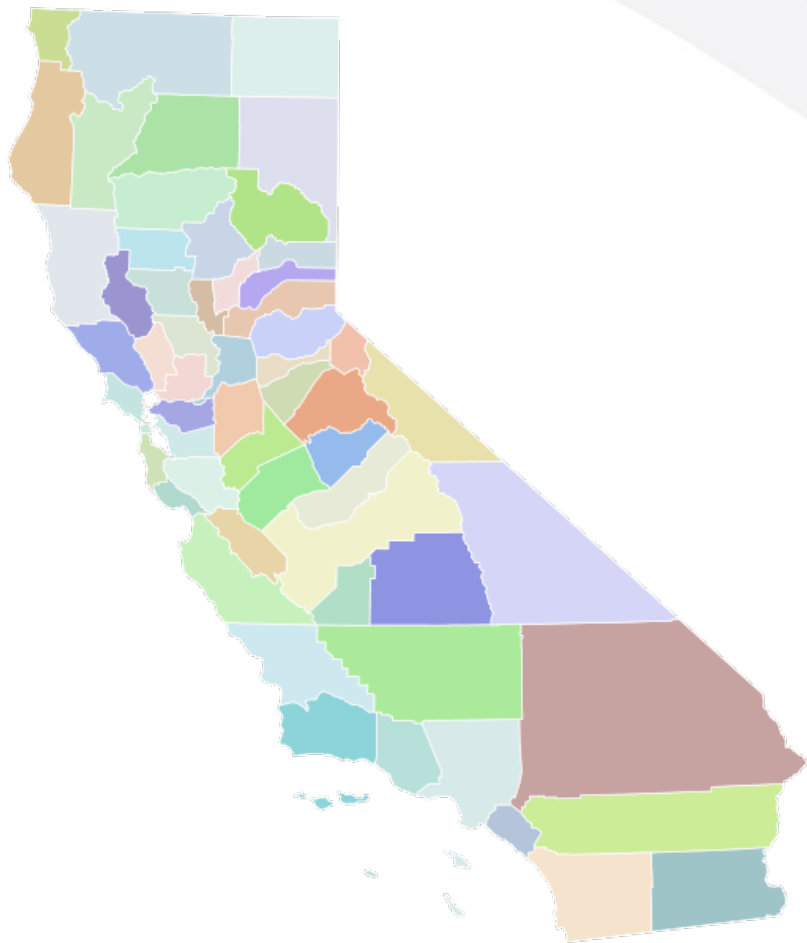


# Climate and Racial Equity Overview

**Chris Hyun**  
State Water Board  
Climate Lead



# About me

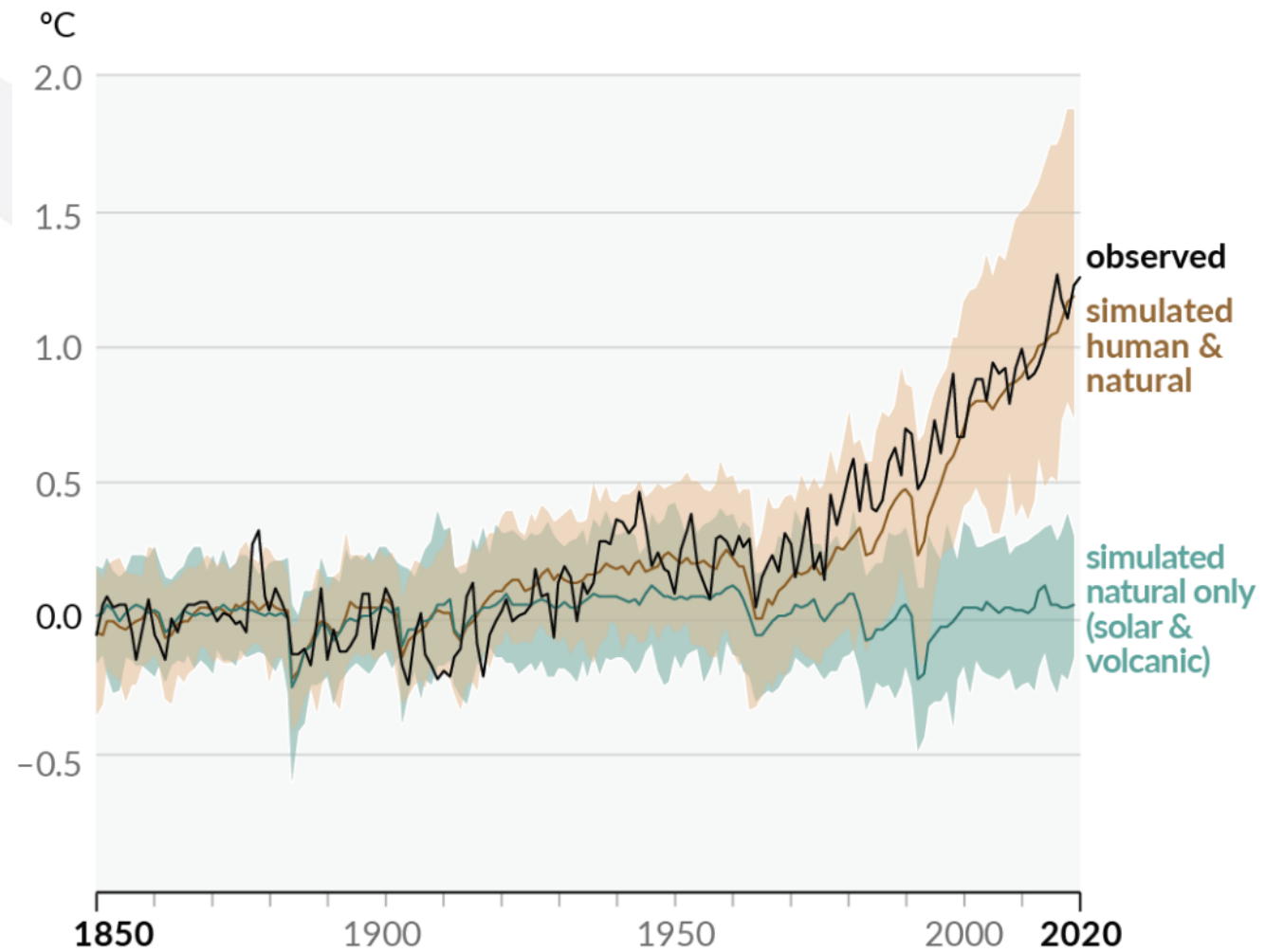
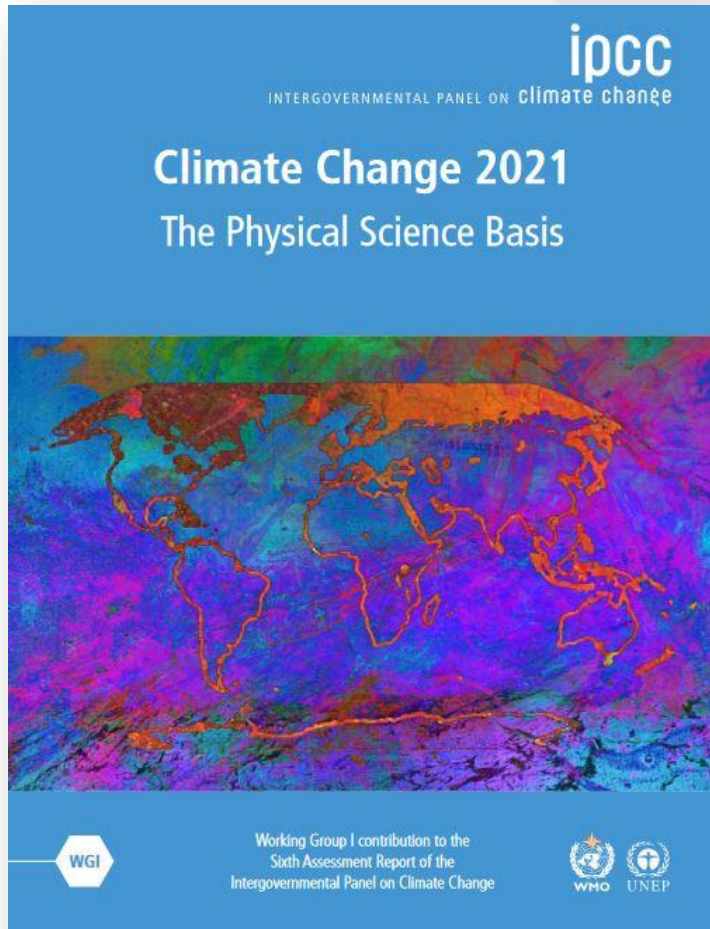


# Climate & Racial Equity Overview

- Climate Vision
- Crash Course on Commitments
- Climate and Racial Equity Strategy (CARES)
- Rest of Today's Agenda



# We need to do more about climate



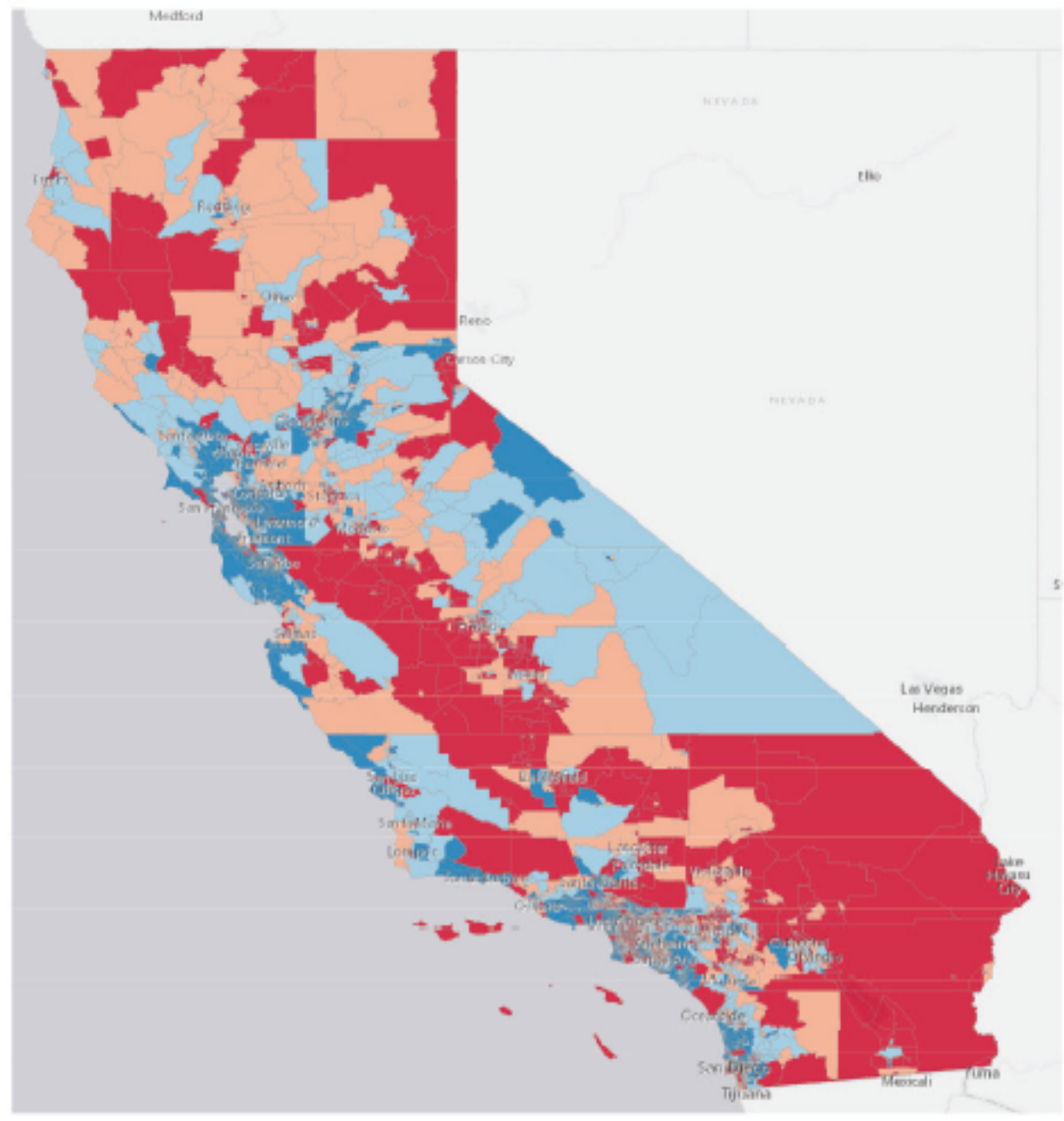
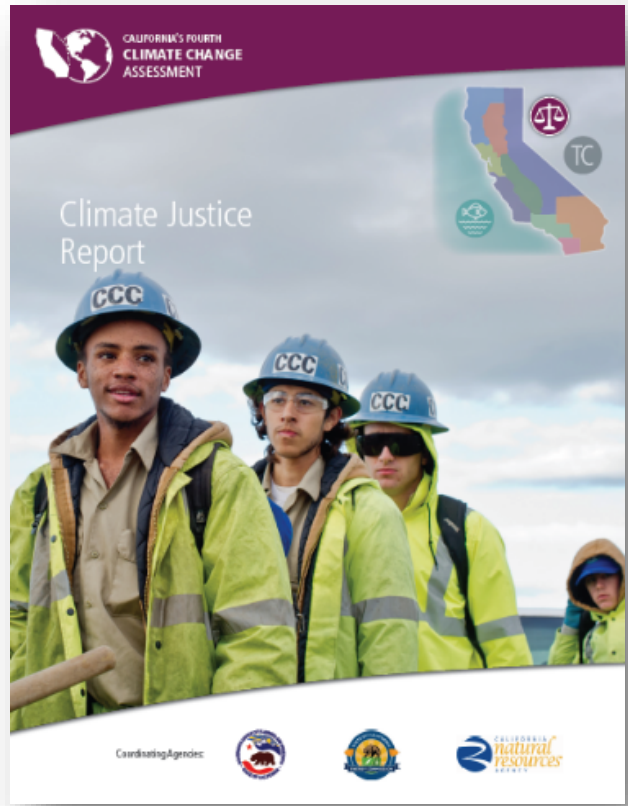


# Climate impacts health & infrastructure





# Climate change impacts some communities more than others





**We need to shift from**



**climate vulnerable** to **climate resilient**



# 2007-21: State Water Board commits to climate change and equity

## STATE WATER RESOURCES CONTROL BOARD RESOLUTION NO. 2007-0059

### APPROVAL TO DEVELOP ADDITIONAL INFORMATION AND CONSIDER ACTIONS PERTAINING TO CLIMATE CHANGE AND WATER RESOURCES

#### WHEREAS:

1. Climate change is predicted to alter water availability with consequential adverse impacts to water quality, water temperature, and the ability to meet water right allocations.
2. The Water Boards recognize that their actions and the programs that they administer may contribute to future Greenhouse Gas emissions; require adaptations to accommodate climate change.
3. The Water Boards are committed to careful consideration of climate strategies to further our ability to preserve, enhance, and restore California's water resources, and to ensure their proper allocation use for the benefit of present and future generations.
4. Assembly Bill 32, The California Global Warming Solutions Act of 2006, states that all state agencies consider and implement strategies to reduce their greenhouse gas emissions.
5. On August 23, 2007, the State Water Board and the Department of Water Resources held a joint workshop soliciting suggestions to reduce greenhouse gas emissions and identify adaptations to accommodate changing conditions.

## STATE WATER RESOURCES CONTROL BOARD RESOLUTION NO. 2017-0012

### COMPREHENSIVE RESPONSE TO CLIMATE CHANGE

#### WHEREAS:

1. Sharp rises in the atmospheric concentration of greenhouse gases over the last century and a half, due to human activity, have led to an increase in global average temperature, and associated climate change.
2. Climate change is affecting and will affect different regions in different ways. Current and future impacts include increasing frequency of extreme weather events, prolonged fire seasons with larger and more intense fires, increased tree mortality, heat waves, sea-level rise and storm surges, changes in hydrology include declining snowpack and more frequent and longer drought, and more frequent and more severe flooding, changes in streamflow, increased oxygen depletion, increased erosion and sedimentation caused by increased rainfall events, especially following wildfires, and increased velocity of stream flow, potential sewer overflows due to more intense precipitation and increased storm water runoff, rising sea levels inundating lowlands, displacing wetlands, and altering tidal ranges, and increasing areas subject to saltwater intrusion into groundwater, and water pollution and increased absorption of carbon dioxide creating coastal zone "hotspots" of acidification and hypoxia.
3. The risks of abrupt or irreversible changes increase as the magnitude of the warming increases. The [Intergovernmental Panel on Climate Change](#) in its [Fifth Assessment Report](#) indicates that limiting global average temperature increase to below 2 degrees Celsius is necessary in order to minimize the most catastrophic climate disruptions. The [California Climate Change Assessments](#) have provided a strong foundation of research addressing the impacts of climate change on the state, as well as potential response strategies.
4. Mitigation, in the context of climate change, refers to actions taken to reduce concentration of greenhouse gases in the atmosphere. The most effective way to reduce greenhouse gas concentrations in the atmosphere is to reduce emission sources.

## STATE WATER RESOURCES CONTROL BOARD RESOLUTION NO. 2021-0050

### CONDEMNING RACISM, XENOPHOBIA, BIGOTRY, AND RACIAL INJUSTICE AND STRENGTHENING COMMITMENT TO RACIAL EQUITY, DIVERSITY, INCLUSION, ACCESS, AND ANTI-RACISM

#### WHEREAS:

1. As part of the California Environmental Protection Agency (CalEPA), the shared mission of the State Water Resources Control Board (State Water Board) and nine Regional Water Quality Control Boards (Regional Water Boards), collectively Water Boards, is to preserve, enhance, and restore the quality of California's water resources and drinking water for the protection of the environment, public health, and all beneficial uses, and to ensure proper water resource allocation and efficient use for the benefit of present and future generations. In relation to this mission, the Water Boards accept responsibility for confronting structural and institutional racism and advancing racial equity.
2. The State Board, as a member of the Government Alliance on Race and Equity (GARE), has adopted its definition of racial equity: "Racial equity is achieved when all people have the opportunity to meet their basic needs, and the outcomes for all groups are improved. Because race intersects with many, if not all, other marginalized identities, prioritizing and addressing racial inequities improves outcomes for other marginalized communities. Racial equity is a water right of Environmental and Racial Equity."
3. Historical racism has resulted in a generation of people who would not be able to afford to live in the same neighborhoods as their parents, and the outcomes, including wealth, health, educational, and environmental inequities.
4. CalEPA's 2021 Pollution Prevention and Control Strategy demonstrates that historically redlined neighborhoods are generally associated with worse environmental conditions and greater population vulnerability to the effects of pollution today. "In addition, Black, Latinx, and people of color are overrepresented in the neighborhoods that are the most environmentally degraded and are still experiencing severe racial wealth gaps caused by redlining and other land-use practices designed to oppress them. Many of these communities lack access to parks, open spaces, greenways, and green infrastructure to provide, for example, natural flood protection, water treatment, and groundwater recharge and replenishment."

# Climate Resolutions 2007 & 2017



# Racial Equity Resolution 2021

# Jan 2023: Staff release Racial Equity Action Plan

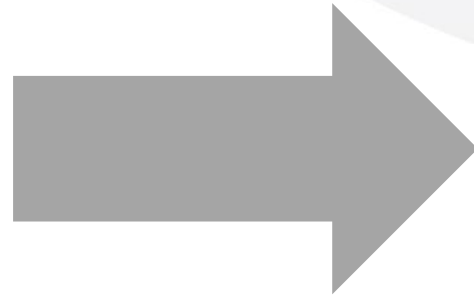
**STATE WATER RESOURCES CONTROL BOARD  
RESOLUTION NO. 2021-0050**

CONDEMNING RACISM, XENOPHOBIA, BIGOTRY, AND RACIAL INJUSTICE AND STRENGTHENING COMMITMENT TO RACIAL EQUITY, DIVERSITY, INCLUSION, ACCESS, AND ANTI-RACISM

WHEREAS:

- As part of the California Environmental Protection Agency (CalEPA), the shared mission of the State Water Resources Control Board (State Water Board) and nine Regional Water Quality Control Boards (Regional Water Boards), collectively Water Boards, is to preserve, enhance, and restore the quality of California's water resources and drinking water for the protection of the environment, public health, and all beneficial uses, and to ensure proper water resource allocation and efficient use for the benefit of present and future generations. In relation to this mission, the Water Boards accept responsibility for confronting structural and institutional racism and inequity.
- The Water Boards, the majority of the California's public water utilities, and Equity (GARE) and have adopted its definition of racial equity: racial equity occurs when race can no longer be used to predict life outcomes, and outcomes for all groups are improved. Because race intersects with many other factors, such as gender, disability, and income, addressing racial inequities requires a holistic approach to change that includes addressing Race as a Determinant of Environmental and Racial Inequities.
- Historically, decision-makers representing government agencies used race to establish structural systems that continue to deliver disparate outcomes, including unequal health, education, and environmental inequities.
- CalEPA's 2021 Pollution and Prejudice Story map demonstrates that historically redlined neighborhoods are "generally associated with worse environmental conditions and greater population vulnerability to the effects of pollution today." In addition, Black, Indigenous, and people of color are overrepresented in the neighborhoods that are the most environmentally degraded and are still experiencing severe racial wealth gaps caused by redlining and other land-use practices designed to oppress them. Many of these communities lack access to parks, open spaces, greenways, and green infrastructure to provide, for example, natural flood protection, water treatment, and groundwater recharge and replenishment.

# Racial Equity Resolution 2021

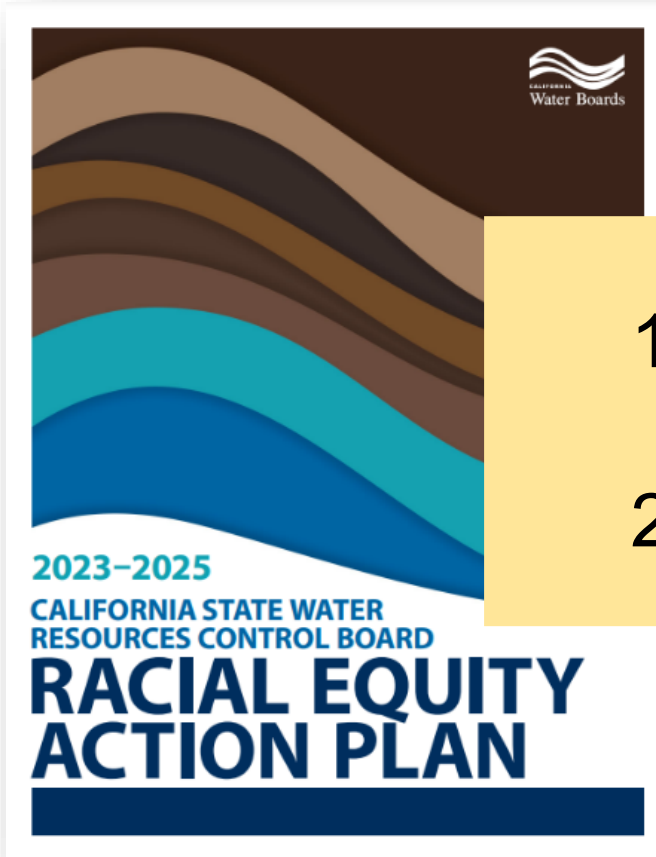


CALIFORNIA Water Boards

2023-2025  
CALIFORNIA STATE WATER RESOURCES CONTROL BOARD  
**RACIAL EQUITY ACTION PLAN**



# July 2023: Staff start public process to develop Climate and Racial Equity Strategy



1. Identify disproportionate climate effects
2. Recommend solutions

**C**limate  
**A**nd  
**R**acial  
**E**quity  
**S**trategy

# CARES Principles

1. Climate impacts are urgent
2. Set realistic goals (don't overpromise)



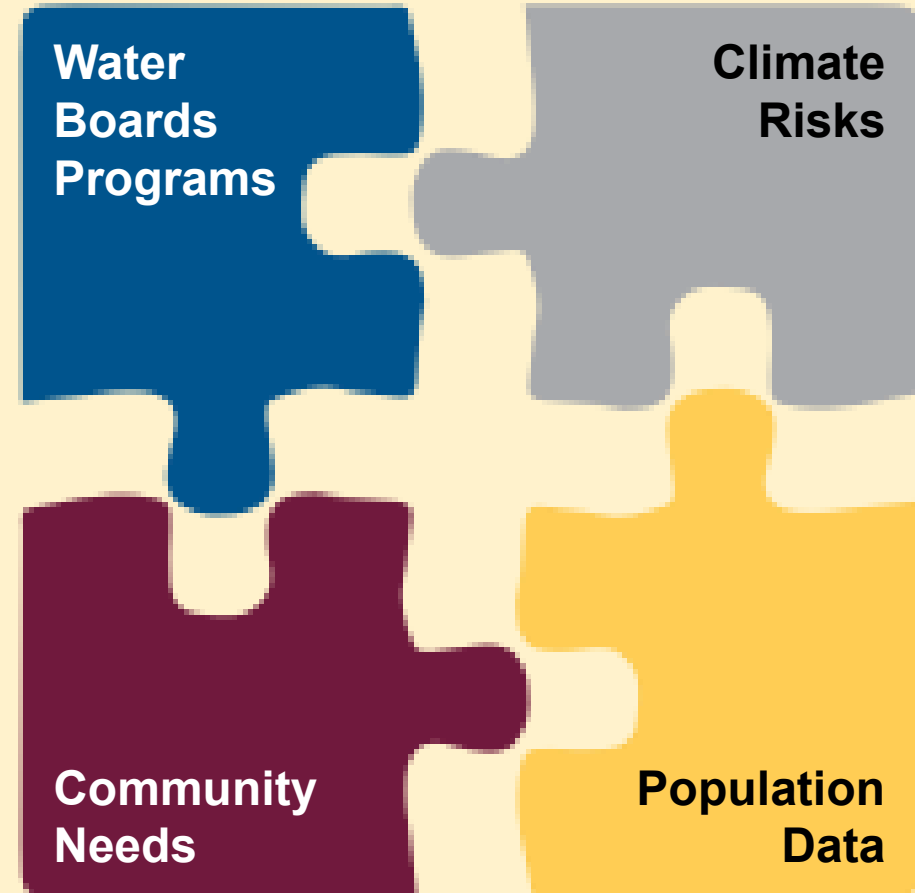
# CARES: Climate and Racial Equity Strategy





## Decision Framework

- What are disproportionate climate impacts?
- Which needs should we focus on?



# Public Engagement Goals



- Early engagement
- Highly impacted communities
- Underrepresented voices

# Panels

**Research**

- UCLA & UC Berkeley
- Stanford University
- UC Davis
- Union of Concerned Scientists

**Advocacy**

- Tribal Climate Health Project & CA Indian Environmental Alliance
- Sierra Club California
- Community Water Center
- Nuestra Casa



**10-Minute Break**



**Panel Discussion**

**Audience Q&A**

# Opening Remarks

**Shereen D'Souza**

Deputy Secretary for Climate Policy and  
Intergovernmental Relations  
CalEPA



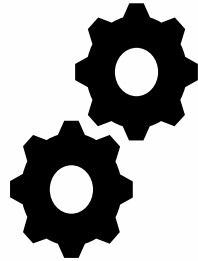
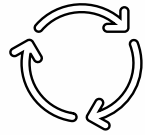
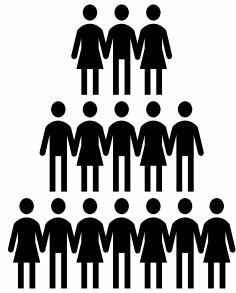


# Research Panel

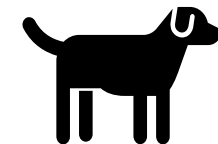
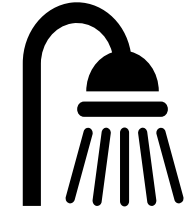
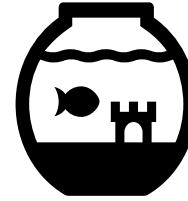
**Moderator:** Chris Hyun (State Water Board)

- Khalid Osman (Stanford)
- Sam Sandoval Solis (UC Davis)
- Lara Cushing (UC Los Angeles) & Seigi Karasaki (UC Berkeley)
- Amanda Fencel (Union of Concerned Scientists)

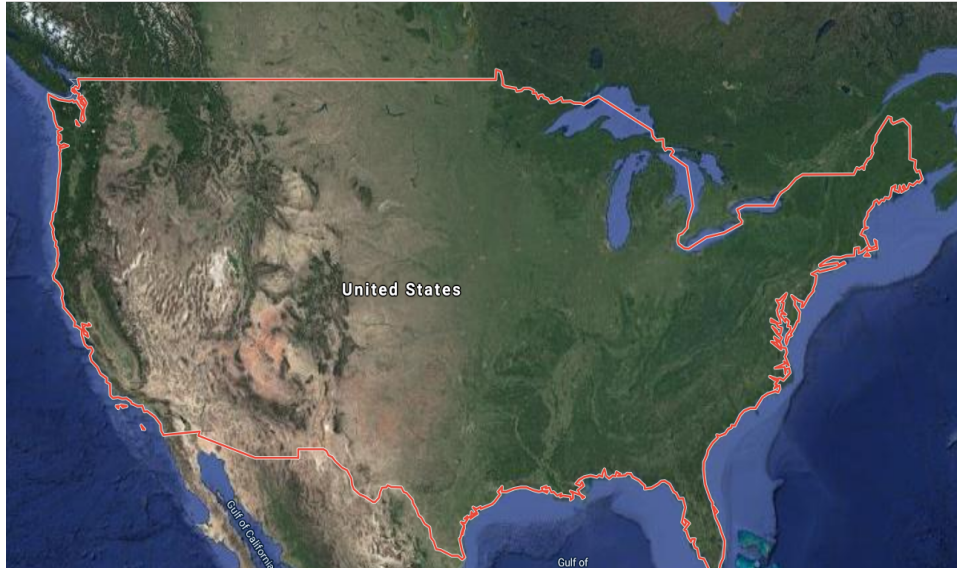
# Water Systems are Socio-Technical Systems



Design that considers human, social, and organizational factors + technical factors (Baxter & Sommerville, 2011)



# How do Water Providers Define Equity?



Source: Google Maps

1. How does your organization define equality and/or equity in the context of water sector services?
2. How do you define equality and/or equity in the context of water sector services?
3. Do you consider equality or equity in your water sector infrastructure decision-making? If so, how?
4. Can you describe any barriers in your organization to incorporating equality or equity considerations in decision-making processes?

Osman and Faust, 2021

# Emergent Codes & Definition

*"Equity = Access, Benefit, Resilience"*

*"Equity accounts for past and current disposition in relationship to everyone"*

*"In South Africa, equity is every human has the right to a minimum amount of water for free"*

*"View equity across both social and capital benefits"*

Inductive Coding & Secondary Deductive Sentiment Analysis   Emergent Key Equity Codes	
<b>Media Analysis</b> <ul style="list-style-type: none"> <li>- Fiscal environment</li> <li>- Organizational management</li> <li>- Regulatory environment</li> <li>- Health and safety</li> <li>- Workforce</li> </ul>	<b>Survey &amp; Semi-Structured Interviews</b> <ul style="list-style-type: none"> <li>- Project-level decision-making</li> <li>- Physical Infrastructure attributes</li> <li>- Community engagement</li> <li>- Socio-demographic significance</li> <li>- Equity not considered/not defined</li> </ul>
Triangulation of Results   Proposed Definition	
<p>The provision of a consistent minimum quality and quantity of water service to all end-users, determined at the local level.</p>	

Osman and Faust, 2021



# How do Water Providers Consider Equity?

## Definitions

Community Engagement

Fiscal Environment

**Health and Safety**

Organizational Management

Physical Infrastructure Attributes

Project-Level Decision-Making

Regulatory Environment

**Socio-Demographic**

**Significance**

Workforce

## Considerations

Community Engagement

Fiscal Environment

-----

Organizational Management

Physical Infrastructure Attributes

Project-Level Decision-Making

Regulatory Environment

-----

Workforce

# From Anecdotal to Empirical



- Efforts vary from city to city → localization of equity is critical for successful implementation
- Tools to address inequity
- Water challenges require immediate attention to prevent chronic public health reactions
- Ensure that underserved communities have the knowledge and capacity necessary to apply for funding resources

# Forum on Climate and Racial Equity

Social and Environmental Justice Implications

**Dr. Samuel Sandoval Solis**

Professor and Specialist in Water Management  
University of California, Davis

**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources



California Institute for Water Resources





# The invisibles







# Food and Income Access



## Food Sovereignty: Aquaponics

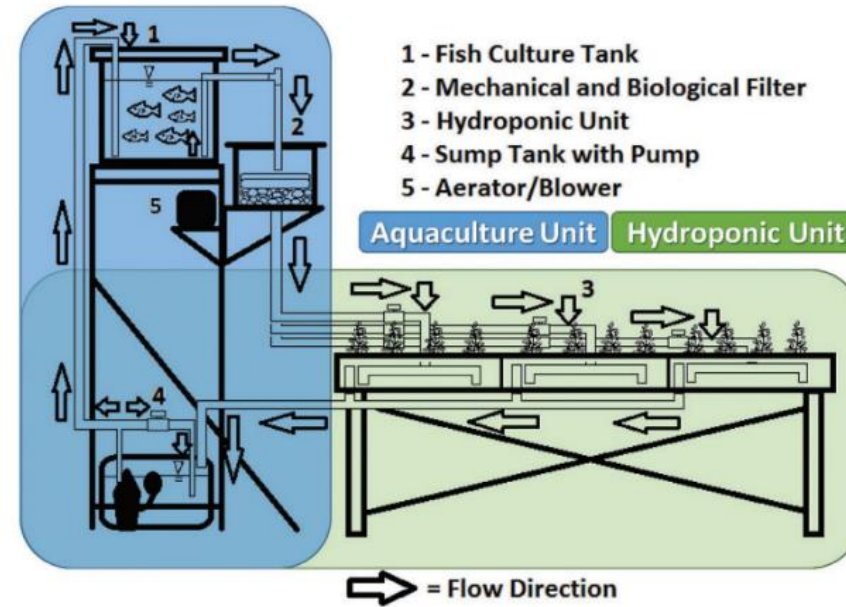


Figure 1. Schematic representation of the aquaponic units used at Iowa State University.



# Social and Environmental Justice

## Human Right to Sanitation



## Wastewater Needs Assessment

- UCLA – Luskin Center
- UC Davis
- UC ANR
- Sac State

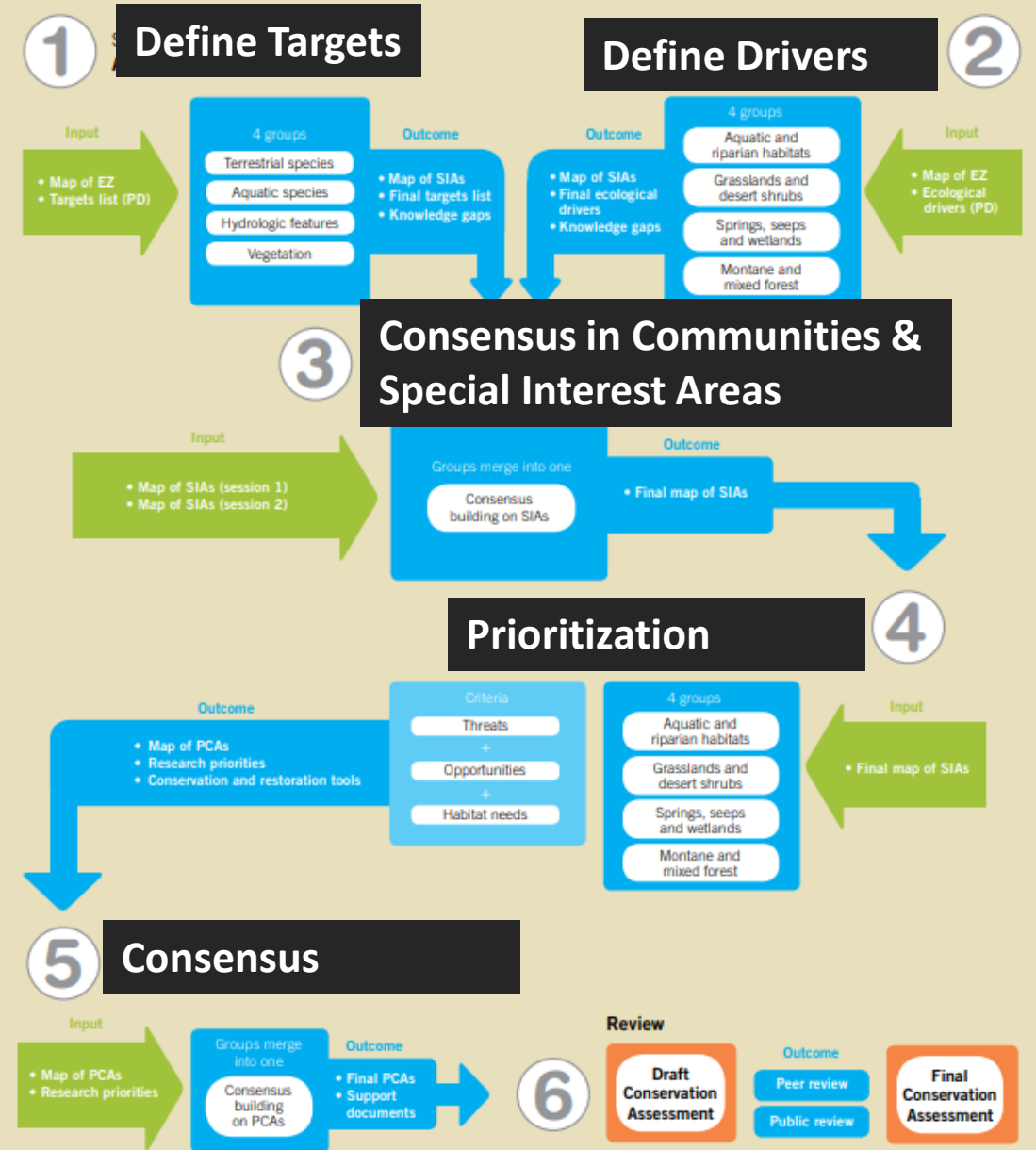


## Water Education for Latino Leaders DEI Workforce Training





# Prioritization





## Most importantly ...

*"People don't care how much you know ...  
people want to know how much you care"*

[samsandoval@ucdavis.edu](mailto:samsandoval@ucdavis.edu)

[watertalkpodcast.com](http://watertalkpodcast.com)



# Toxic Tides: Sea level rise, hazardous sites & environmental justice

3+ ft of SLR

expected by 2100 if little is done to slow climate change

~150,000 Californians

projected to live in coastal areas at risk of inundation by 2100

Hundreds

of potentially hazardous sites are located within 3 ft. of mean high tide lines

## Objective

- 1) Estimate **flood risks at hazardous sites due to sea level rise**
- 2) Identify **threatened communities** statewide
- 3) Share findings via customizable, bilingual online **visualization tools and webinars**



Supported by:

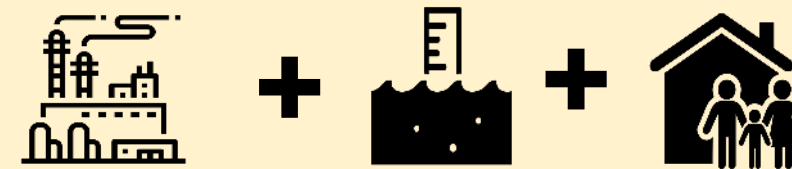


CALIFORNIA  
STRATEGIC  
GROWTH  
COUNCIL

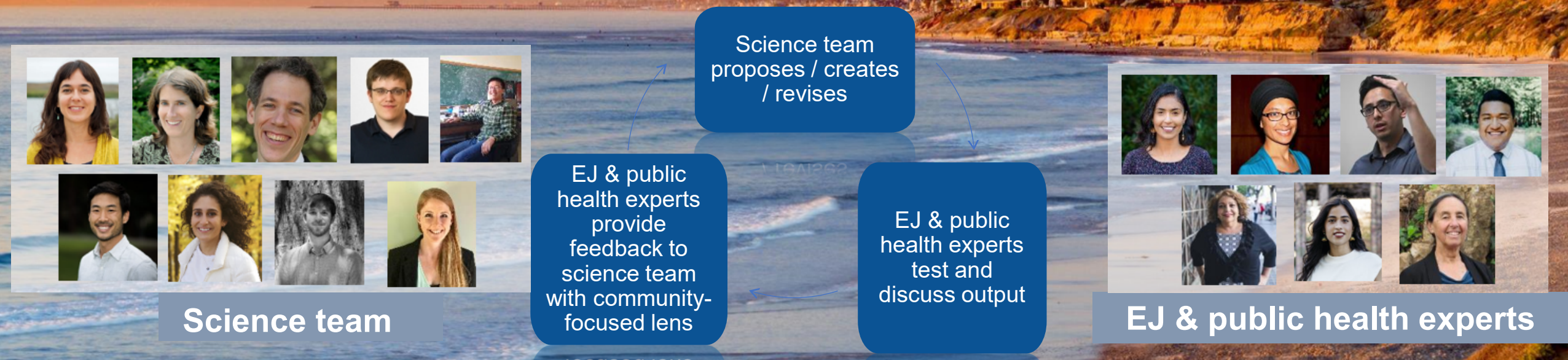




## Community partnership process



- 1) Science team and environmental justice (EJ) & public health partners conceive of project and secure funding
- 2) Get existing secondary data to derive flood risk projections and indicators of community marginalization
- 3) Iterative feedback between research team and community EJ / public health collaborators



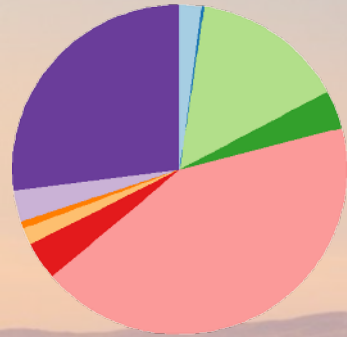
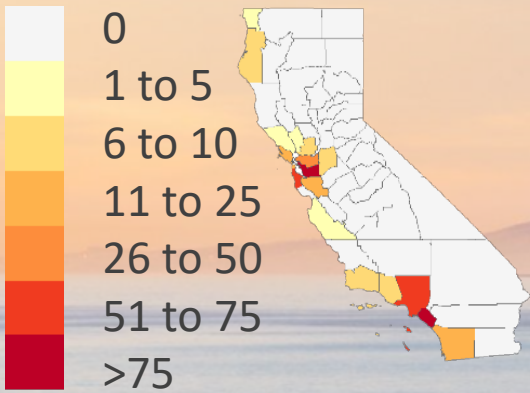


# Findings & two-tiered dissemination strategy

## At least 425 sites at risk of surface flooding by 2100

High emissions scenario (RCP 8.5), ensemble mean SLR projection

Number of sites at risk



Facility Type

- Power plants
- CAFOs
- Sewage treatment
- Hazardous waste treatment & disposal
- Industrial facilities (TRI)
- Landfills & incinerators
- Cleanup sites
- Refineries
- Ports & terminals
- Oil & gas wells



**Toxic Tides and Environmental Injustice: Social Vulnerability to Sea Level Rise and Flooding of Hazardous Sites in Coastal California**

Lara J. Cushing,\* Yang Ju, Scott Kulp, Nicholas Depsky, Seigi Karasaki, Jessie Jaeger, Ameer Raval, Benjamin Strauss, and Rachel Morello-Frosch\*

Cite This: <https://doi.org/10.1021/ac.est.2c07481>

[Read Online](#)

**CLIMATE CENTRAL**

CHOOSE MAP

COASTAL RISK SCREENING TOOL

**FLOOD RISK TO HAZARDOUS FACILITIES IN 2100**

This map shows hazardous facilities in California that are at risk of future flooding due to sea level rise, tides, and storm surge, under a high carbon pollution scenario.

Click "FILTERS" to show specific types of facilities. Click "CHANGE OTHER SETTINGS" to select a different pollution scenario or social-vulnerability metric.

DETAILS AND LIMITATIONS

Case studies Scientific Paper

YEAR: 2050 2100

ANNUAL FLOOD RISK EVENT THRESHOLD: 8 or more

CHANGE OTHER SETTINGS

Video Tutorial

FILTERS: OFF

Google

CLIMATE CENTRAL | Powered by Earth Engine | Keyboard shortcuts | Map data ©2023 Google, INEGI | 50 km | Map data

© 2023 Environmental Science & Technology. All rights reserved. | Privacy Policy | Terms of Use

ESPAÑOL GET UPDATES REQUEST RISK ANALYSIS SUPPORT OUR WORK

<https://coastal.climatecentral.org>

## Marginalized communities are more likely to live near at-risk sites

6 times higher odds of an at-risk site within 1km for disadvantaged communities as identified by CalEnviroScreen

# Survey Responses

Climate risks (sensitivity, exposure, adaptative capacity) vary by region.  
 Community / water system led climate risk prioritization.  
 Expand existing data collection systems include equity from intersectional lens.

[ Union of  
**Concerned Scientists**

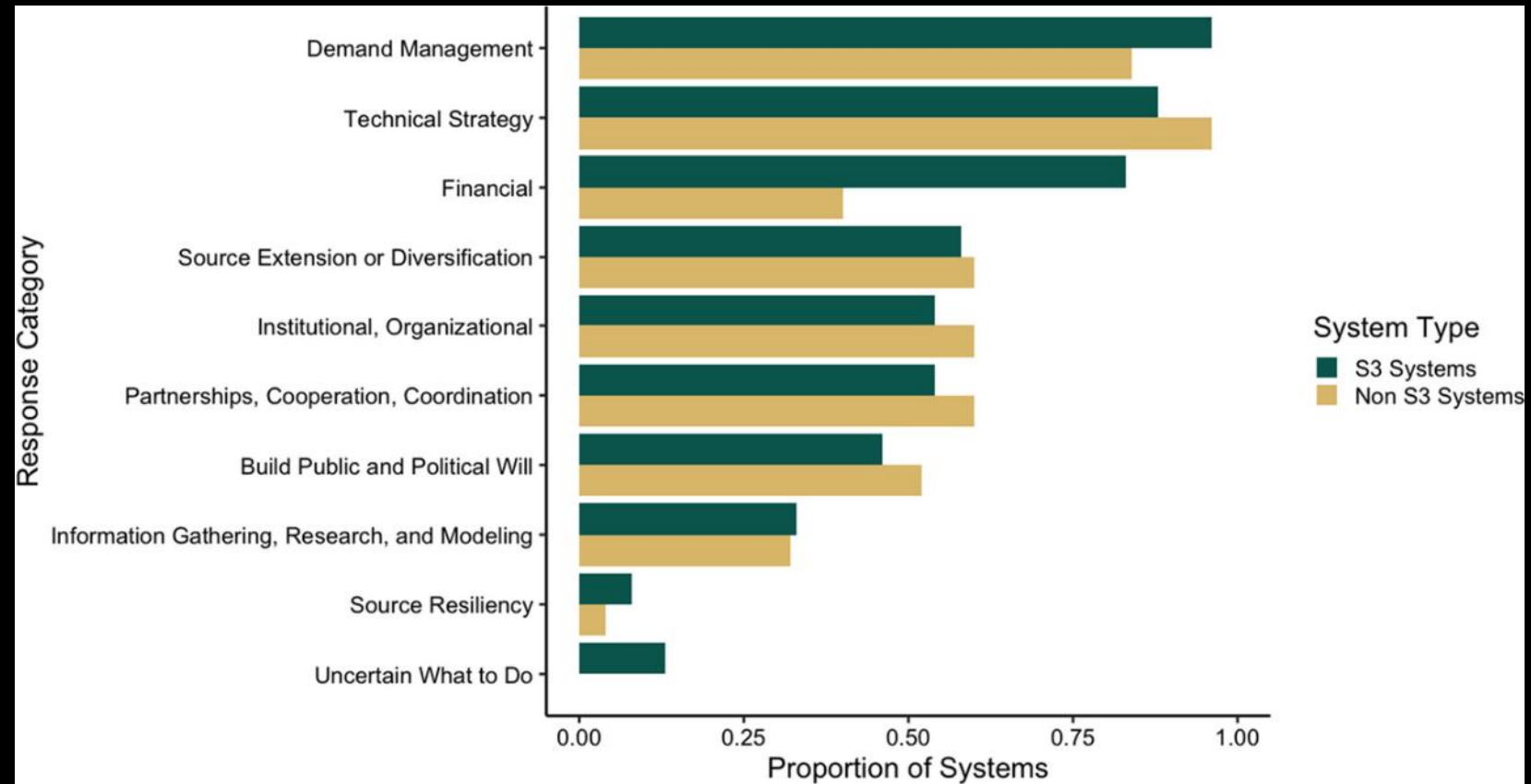
Dr. Amanda FencI (she/they)  
 Senior Climate Scientist  
 afencI@ucsusa.org  
 @alfencI (personal)/ @WestUCS



Map of 2021 survey responses by the most frequently reported extreme event type: a) drought; b) wildfire; c) heatwaves. (Dobbin et al. 2023)

# Invest in climate resilience for water systems in communities historically under(dis)invested *and* climate vulnerable

- Ensure public funds for long-term solutions a) prioritize BIPOC communities  
b) consider climate risks in their design
- Many CWSs already identified unfunded/ aspirational strategies to manage climate risks





# References + Resources 1/2

## Community and water system led climate risk prioritization given geographic differences.

- [Klasic et al. \(2022\) Adapting to extreme events: small drinking water system manager perspectives on the 2012–2016 California Drought](#)
- Full Report on small water system drought adaptation needs by Ekstrom et al. 2018 ([link](#))

## Understanding water system customers/household climate risk perception

- *Dobbin et al. (2023) Understanding perceived climate risks to household water supply and their implications for adaptation: evidence from California. ([link](#))*
- [UCS BLOG: How to Californians perceive risks climate risks to household water supplies?](#)

# References + Resources 2/2

## Racial equity analysis of federal investment in rural water infrastructure

- *Community Water Center, Rempel, Fencil (2023) The Rural Water Gap* ([link](#))
- [UCS Blog: More Federal Funding Can Close the Rural Water Gap. Will Congress and the USDA Step Up?](#)

## Other relevant scholarship:

- [Klasic et al. \(2022\) Adapting to extreme events: small drinking water system manager perspectives on the 2012–2016 California Drought](#) + Full Report by Ekstrom et al. 2018 ([link](#))
- [Méndez-Barrientos et al. \(2022\) Race, citizenship, and belonging in the pursuit of water and climate justice in California](#)

# Advocacy Panel

**Moderator:** Mike Mendez (LA Water Board)

- Shasta Gaughen (Pala Environmental Department) & Sherri Norris (California Indian Environmental Alliance)
- Charming Evelyn (Sierra Club California)
- Justine Massey & Kija Rivers (Community Water Center)
- Rosa Nelson (Nuestra Casa)



# Sierra Club's Environmental Justice Values

In 2001 the all volunteer Board of Directors adopted 3 Environmental Principles:

- 1. We support the right to a clean and healthful environment for all people**
- 2. We support an end to pollution**
- 3. We support the precautionary principle**

Through these Principles, we intend that Earth's wild places should be protected so that all people and future generations may explore and enjoy nature's beauty; that the Earth's ecosystems and resources should be used responsibly and sustainably so that all people and future generations may share nature's bounty; that the natural and human environment should be restored to the benefit of all people and for other living things, and their future generations; and that no community should bear disproportionate risks of harm because of their demographic characteristics or economic condition.

# What does water & environmental injustice look like?

- Exide communities contaminated with lead poisoning, soil and water contamination
- Flint, Michigan
- Housing the unhoused on unmitigated Brownfields
- Factories, warehouses, water treatment facilities built in under-resourced communities
- EPA designated superfund sites
- The human right to **clean, accessible, affordable** water
- Lack of access to water for the unhoused
- Lack of outreach in many languages
- Lack of seen and unseen disability access
- Failure to engage the public
- Cost - who benefits, who pays
- Environmental degradation for wildlife, marine life, flora and fauna



## Sea Level Rise & Managed Retreat

What is the function of managed retreat?

*Managed retreat involves the purposeful, coordinated movement of people and buildings away from risks. This may involve the movement of a person, infrastructure, or community. It can occur in response to a variety of hazards such as flood, wildfire, or drought.* - Wikipedia

This involves moving the boundary inland.

*Coastal managed retreat is a strategy used to protect coastal communities and infrastructure from the impacts of coastal erosion, sea level rise and other coastal hazards, such as storms and flooding.*

‘Managed retreat’ is a code word for give up—on our homes and the town itself.



Clean water is a human right, not a privilege.

Justine Massey and Kija Rivers  
July 17, 2023

**El agua limpia es un derecho humano, no un privilegio.**



**COMMUNITY  
WATER CENTER**

EL CENTRO COMUNITARIO  
POR EL AGUA





# How Can Climate Change Impact Drinking Water Availability? ¿Cómo Puede el Cambio Climático Afectar la Disponibilidad de Agua Limpia?

## **Drought**

Dry wells & water quality

## **Severe flooding events**

Contamination, blocked access for delivery

## **Extreme heat**

Dry wells, danger at work, electricity problems

## **Sea level rise**

Contamination, crops fail

## **Sequía**

Pozos secos y calidad del agua

## **Inundaciones graves**

Contaminación, acceso bloqueado para la entrega

## **Calor extremo**

Pozos secos, peligro en el trabajo, problemas de electricidad

## **Elevación del nivel del mar**

Contaminación, los cultivos fallan

# 12,000

**Domestic wells in the Central Valley could go dry by 2040 due to groundwater over pumping, which tends to increase during drought. This would impact drinking water for up to 126,000 residents.**

**Los pozos domésticos en el Valle Central podrían secarse para 2040 debido al agua subterránea sobre el bombeo, que tiende a aumentar durante la sequía. Esto afectaría el agua potable para hasta 126.000 residentes.**

[2020 Water Foundation Report](#)







## Questions?

Sign-up to receive monthly newsletters on water justice:  
**CommunityWaterCenter.org**

Follow us on social media!



Justine Massey, Policy Manager  
[Justine.massey@communitywatercenter.org](mailto:Justine.massey@communitywatercenter.org)

Kjia Rivers, Policy Advocate  
[Kjia.rivers@communitywatercenter.org](mailto:Kjia.rivers@communitywatercenter.org)

## ¿Preguntas?

Inscríbese para recibir boletines mensuales sobre la justicia del agua:  
**CommunityWaterCenter.org**

¡Síguenos en las redes sociales!





# Water Justice

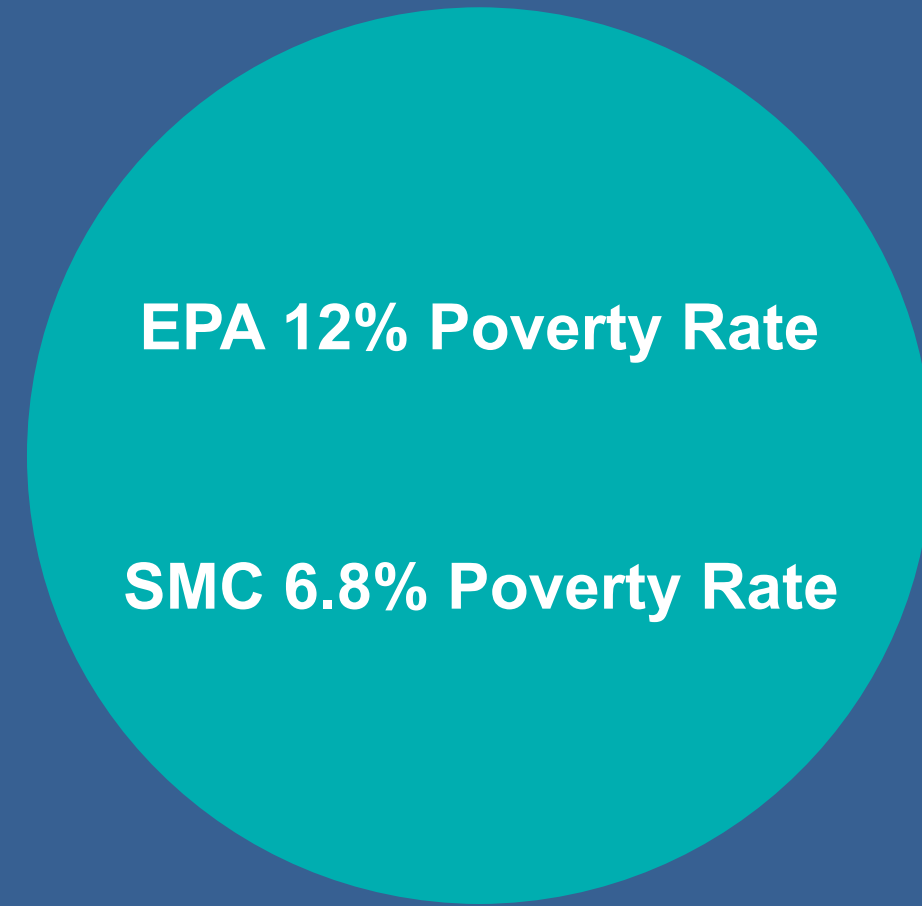
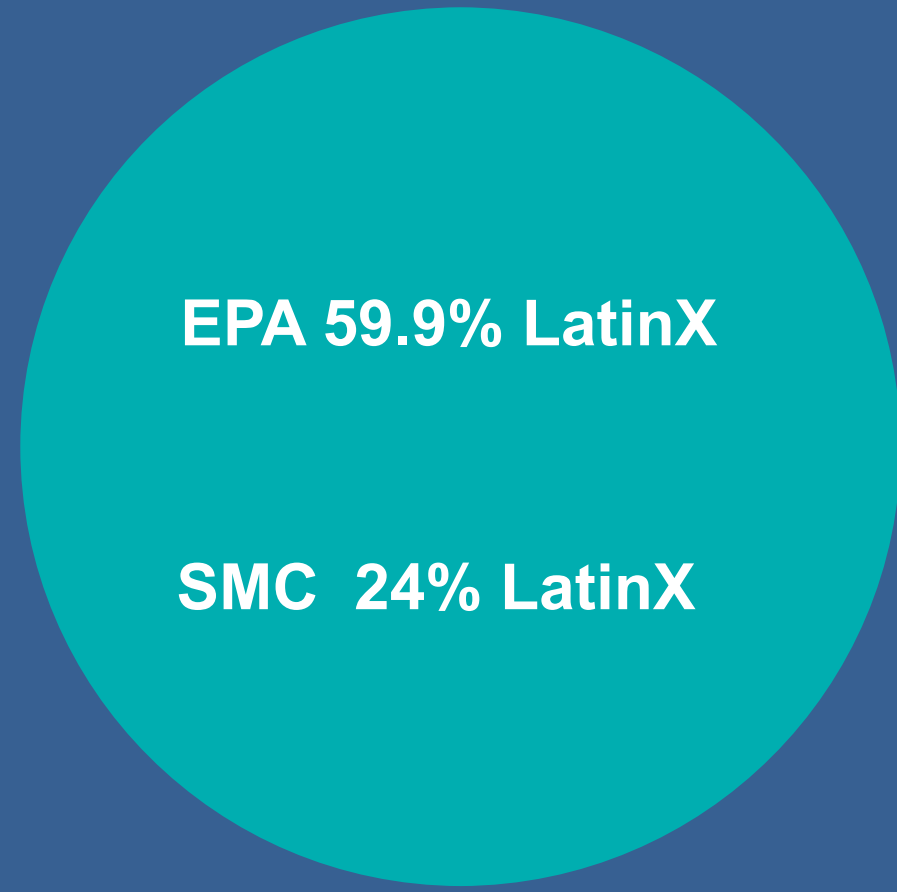
FOR EAST PALO ALTO & BEYOND

Rosa Nelson, Water Justice Coordinator





# Demographics of East Palo Alto



# Our Programs



### Promotoras & Community Outreach



### Environmental Justice Academy



### Food Rescue & Distribution



### Water Justice

I have such pride that we can bring this information to the community. It is beautiful to be a part of this group... we are working to bring the gift of knowledge to everyone.

- Nuestra Casa Promotora



# Why the Focus on Water

**DACTIP Tap Water Testing**

**Water Filter Distribution**

**Creating Community Water Task Force**





## Equity in Water

- Nada sobre nosotros sin nosotros
- Outreach by trusted community members
- Driving research agenda
- Community members and organizations are compensated
- Programming in both Spanish and English
- Translation services



Nuestra Casa



# CONTACT

## Rosa Nelson

Water Justice Coordinator  
[rnelson@nuestracasa.org](mailto:rnelson@nuestracasa.org)

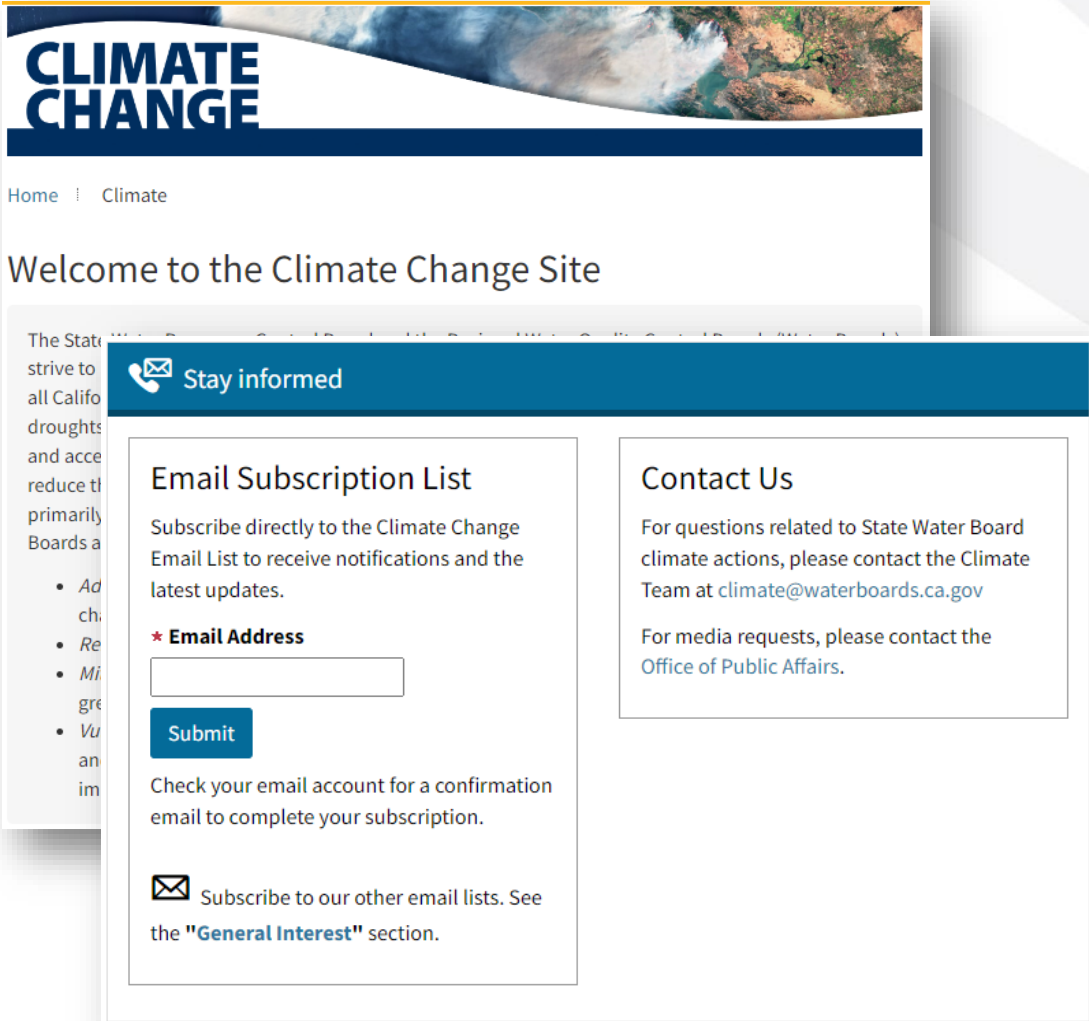
## Belinda Magallon

Environmental Justice Fellow  
[Bmagallon@nuestracasa.org](mailto:Bmagallon@nuestracasa.org)

2396 University Avenue  
East Palo Alto, CA 94303



# Subscribe to the Climate Email List: [waterboards.ca.gov/climate](https://waterboards.ca.gov/climate)



To involve your organization contact:  
**[climate@waterboards.ca.gov](mailto:climate@waterboards.ca.gov)**



Share feedback by  
**Tuesday, July 18**

[tinyurl.com/](https://tinyurl.com/SWBClimateForum2023)  
**SWBClimateForum2023**



# 10-Minute Break

**Molly Williams**  
Environmental Scientist  
State Water Resources Control Board  
“California Water Boards”

# Panel Discussion

**Chris Hyun & Mike Mendez**  
State Water Resources Control Board  
“California Water Boards”

# Q&A

## James Nachbaur

Director of Research, Planning, and Performance  
State Water Resources Control Board  
“California Water Boards”

To join Zoom: [bit.ly/cre-zoom](https://bit.ly/cre-zoom)

Use Raise Hand feature to ask a question verbally

Use Q&A box to ask written questions

Change audio channel by clicking the globe

