

# Technical Advisory Council Quarter 1 Meeting

Integrated Climate Adaptation and Resiliency Program

March 6, 2026, 9:30am



CA Governor's Office of  
**Land Use and  
Climate Innovation**

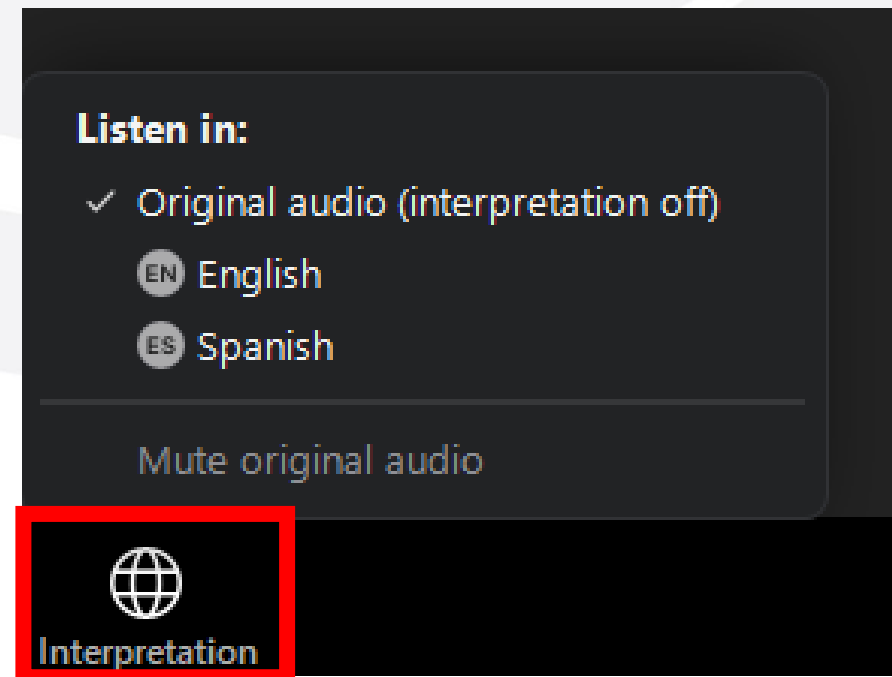
# Item 1 | Roll Call & Housekeeping



# Language Interpretation through Zoom

Click the **Interpretation** icon

- Navigate to Language Channels
- **Everyone must select English or Spanish**
- If listening in Spanish, click **Mute Original Audio**

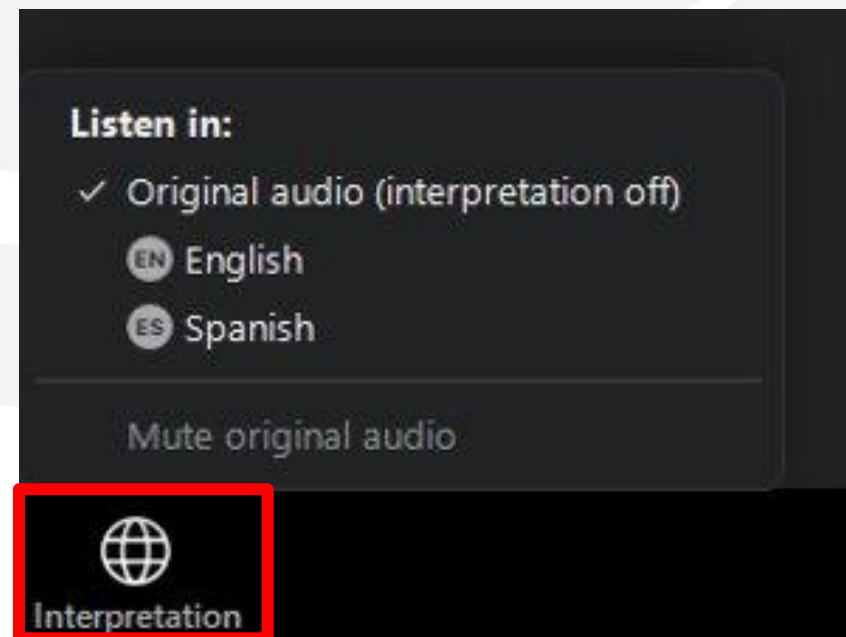


For technical assistance, text Sam Magill: 831-251-4127

## Opción de Interpretación por Zoom

De clic en el ícono del globo terráqueo “**Interpretation**” en los controles abajo en su pantalla y:

- De clic en **Spanish** (español)
- De clic en **Mute Original Audio** para apagar el audio original y escuchar en español.



Para asistencia, escriba a Sam Magill: 831-251-4127

# Zoom Support

- For virtual attendees, technical support and other questions can be asked in the Q&A function on Zoom.
- You can also reach Sam Magill by text for technical support: 831-251-4127



# **Item 2 | Approval of Draft Meeting Minutes**



# Agenda

1. Roll Call & Housekeeping
2. Approval of Draft Meeting Minutes
3. TAC Member Report Out
4. ICARP Updates and Staff Report
5. Adapting to Loss of Federal Funding
6. Update on Climate Bond
7. Vulnerable Communities Platform Use Cases
8. 2025 ICARP Impact Report
9. Adaptation Planning Grant Program Showcase
10. SB 254 Natural Catastrophe Resiliency Study Overview
11. State Extreme Heat Action Plan
12. Goals and Priorities for 2026
13. Closing & Adjourn



# **Item 2 | Public Comment**



# **ACTION**

**Approve the meeting minutes from the ICARP Technical Advisory Council 4th Quarter Meeting on Oct 24, 2025.**



# Item 3 | TAC Member Report Out



CA Governor's Office of  
Land Use and  
Climate Innovation

# **Item 4 | ICARP Programmatic Updates and Staff Report**



# Welcome New ICARP Staff!



**Sara Yen**  
Executive Fellow



**Angelo Resayo**  
Assistant  
Adaptation and  
Resilience Planner



**Nikka Malakooti**  
California Council  
on Science &  
Technology Fellow



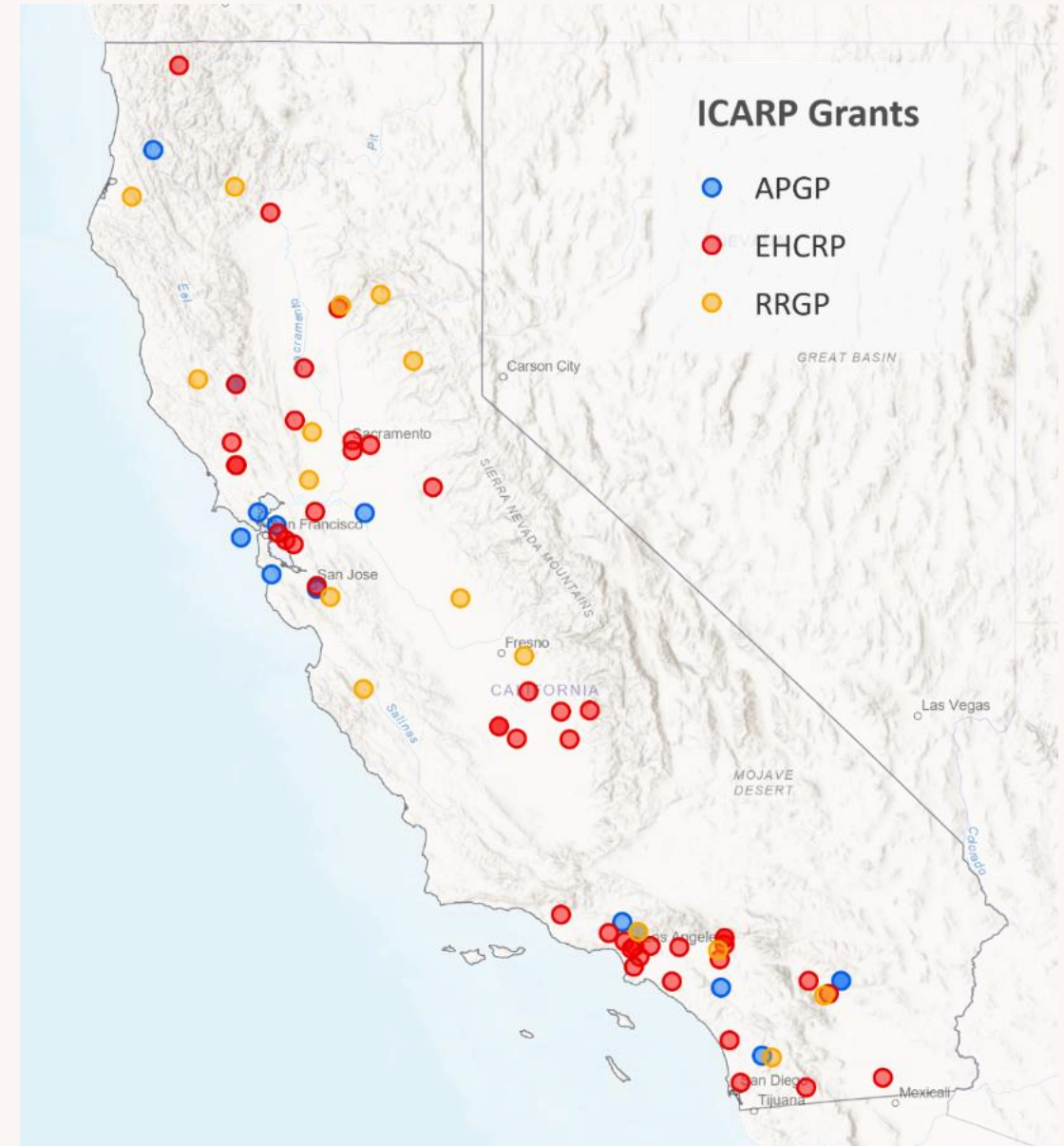


**Welcome ICARP Baby!**

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# Updates

- In January, the Adaptation Planning Grant Program (APGP) Round 1 closed, marking the completion of the APGP.
- The 16 Regional Resilience Planning and Implementation Grant Program projects, awarded in 2023 amounting to \$21.8 million, are now over halfway complete.
- Round 2 of the Extreme Heat and Community Resilience Program will be released this Spring with applications due this summer and awards by the end of the year.



ICARP grant program investments in 2023-2025

# Updates 1

- Climate services team is expanding direct technical assistance.
- Launch of the Vulnerable Communities Platform in October 2025.



ICARP staff and APGP grantees gathered for a quarterly Technical Assistance Convening on Strategic Storytelling.



# Updates3

- The Fifth Assessment reports and research products are undergoing a comprehensive review and editing process.
- The Fifth Assessment team has partnered with various engagement partners to plan a comprehensive rollout starting this summer.
- Planning Resilient California Summit for October 2026.



Stay tuned for updates at  
<https://resilientcaliforniasummit.org>



# Updates2

- Updating the Defining Vulnerable Communities in the Context of Climate Adaptation report.
- TAC members have until Monday, March 9 to provide written comments.



Defining Vulnerable  
Communities in the Context  
of Climate Adaptation  
2025 UPDATE



# Item 4 | Discussion



CA Governor's Office of  
**Land Use and  
Climate Innovation**

# Item 5 | Adapting to Loss of Federal Funding



CA Governor's Office of  
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Climate Innovation



# Lessons Learned from the January 2025 L.A. Wildfires

Lily Bui, PhD  
Director of Climate and Disaster  
Resilience and Preparedness

# Philanthropic Infrastructure Organizations



# PALISADES

## Extent of damage

- Affected (1-9% damaged)
- Minor (10-25%)
- Major (26-50%)
- Destroyed (50-100%)
- No damage
- Under assessment

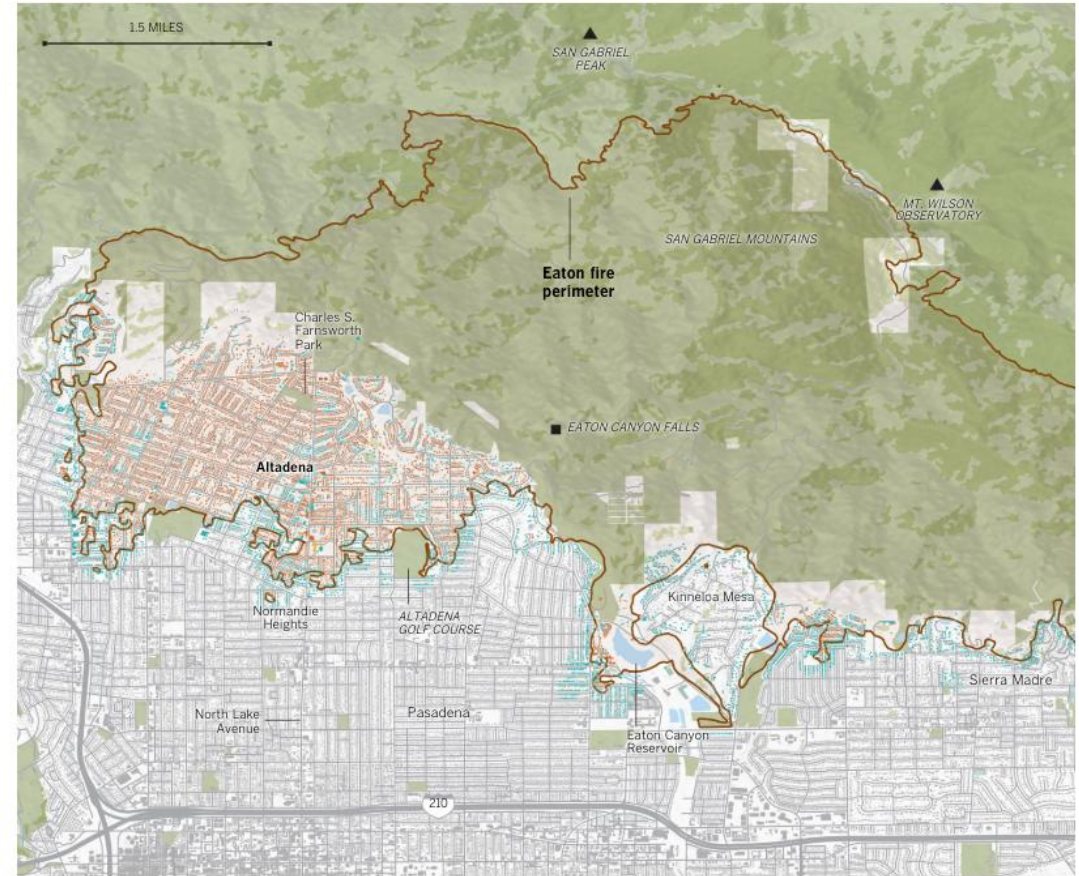


Buildings that are destroyed or damaged may be shown in gray if officials have not inspected the area yet.

# Eaton fire

## Extent of damage

- Affected (1-9% damaged)
- Minor (10-25%)
- Major (26-50%)
- Destroyed (50-100%)
- No damage
- Under assessment



Buildings that are destroyed or damaged may be shown in gray if officials have not inspected the area yet.

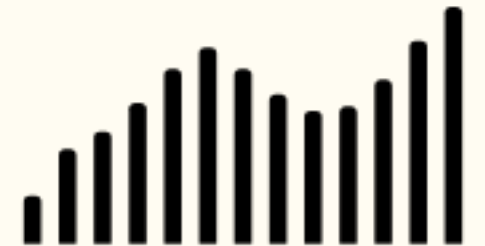
**13,000 structures destroyed**  
**31 fatalities**  
**24 days for fires to be put out**

Source: LA Times

# Why This Was Different

- Urban conflagrations pose unique challenges in scale, cost, and complexity.
- One presidential declaration (DR-4856-CA) for multiple jurisdictions (City, County, unincorporated areas).
- Uncertainty of long-term federal funding and support.
- Decentralized data on displaced populations.
- Polycrisis: insurance market failure, housing, affordability, ICE enforcement, and climate change

# Trends in Disaster Philanthropy



# Wildfires are the most expensive disasters.

## The fires largely destroyed homes

A total of 9,413 structures were destroyed in the Eaton fire, according to ongoing assessments. Another 6,822 buildings were destroyed in the Palisades fire.

Destroyed Major Minor Affected  
No damage

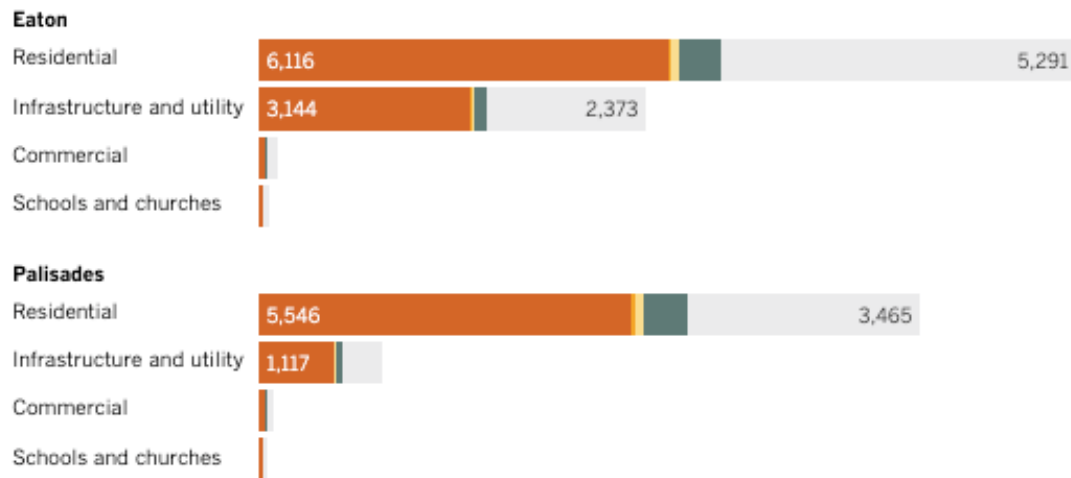
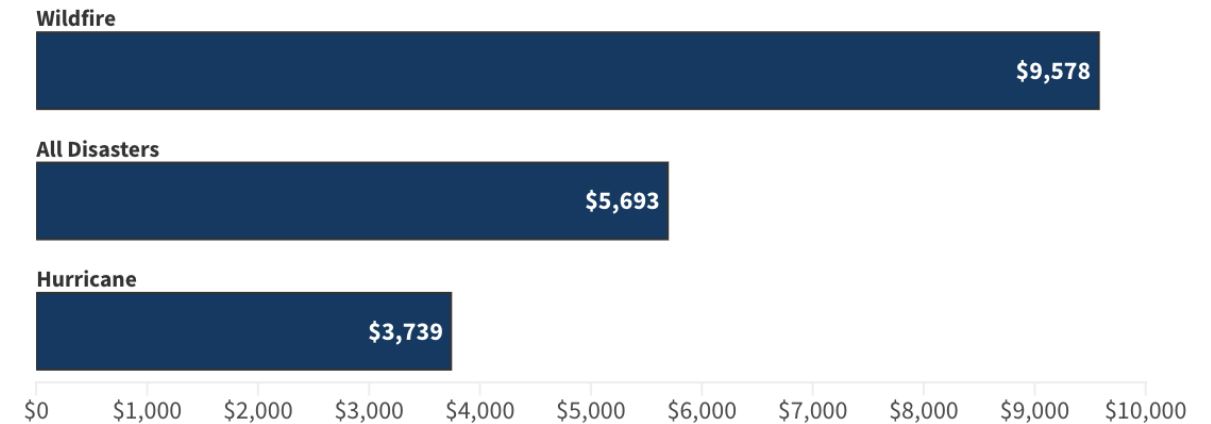


Chart does not include 40 buildings that were inaccessible to investigators.  
California Department of Forestry and Fire Protection Damage Inspection Data

LOS ANGELES TIMES

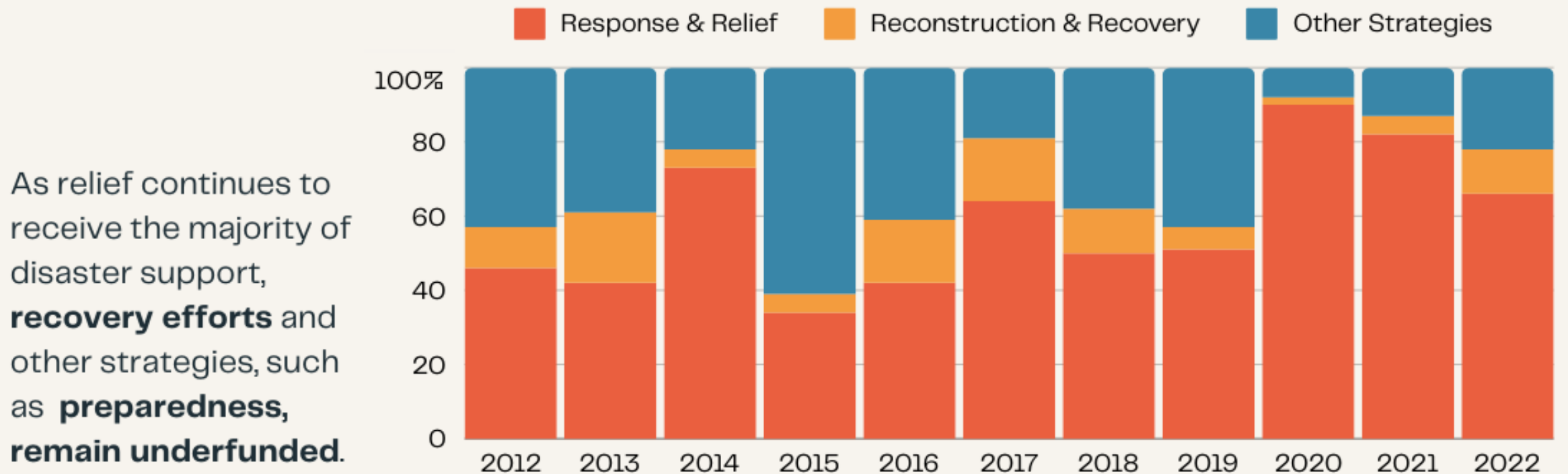
## Average FEMA IHP Award, 2015-2024



Source: Carnegie Endowment for International Peace, Disaster Dollar Database

# Recovery is the most complex and expensive part of the disaster cycle, yet it is repeatedly underfunded.

## PERCENTAGE OF PHILANTHROPIC FUNDING FOR RELIEF VS RECOVERY



Source: Center for Disaster Philanthropy

Based on Candid data as of June 2024

# Philanthropy raises a fraction of disaster costs.

**\$117B** average annual losses from **wildfires** in California between 2017 and 2022 ([Gordon & Betty Moore Foundation](#))

**\$1.7B** amount in foundation grants for **all disasters** in the U.S. in 2024 ([Center for Disaster Philanthropy](#))

# Philanthropic response to the January 2025 L.A. Wildfires confirms these trends.



Capital losses from the fires approach **\$131 billion**, with insured losses of \$45 billion ([UCLA Anderson School of Management](#)).

Between **\$860 million** and **\$970 million** in charitable giving was committed by philanthropic institutions, corporations and corporate foundations, and individual donors ([Milken Institute](#)).

\* Over **70 philanthropic funders**, many of them first-time disaster funders, activated funds for the fires.

# Philanthropy is only one stakeholder in a broader ecosystem of shared financial risk.

## PHILANTHROPIC



Philanthropy, nonprofits, community organizations, faith-based organizations

## PRIVATE



Insurance



Utilities



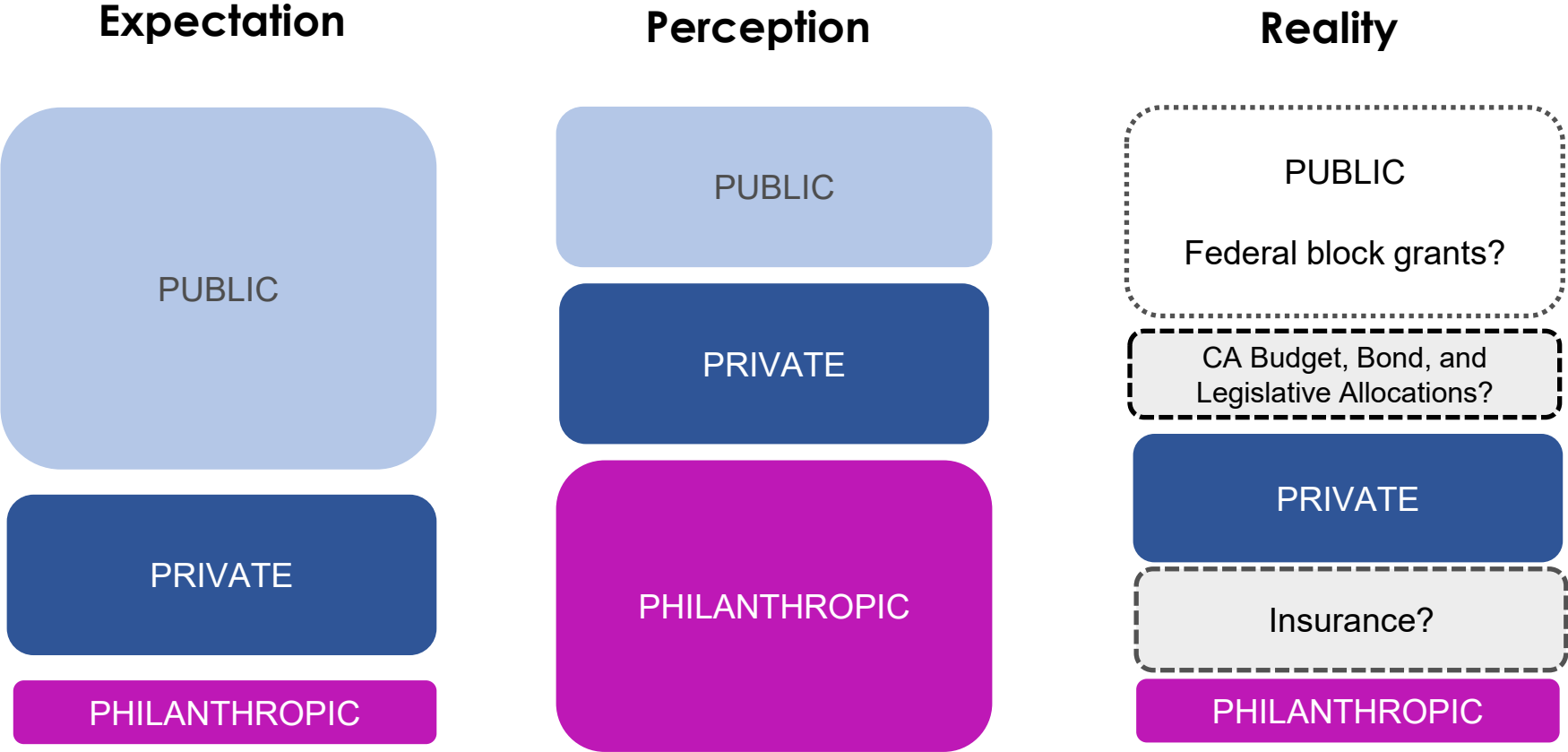
Banks, lenders, community development financial institutions

## PUBLIC

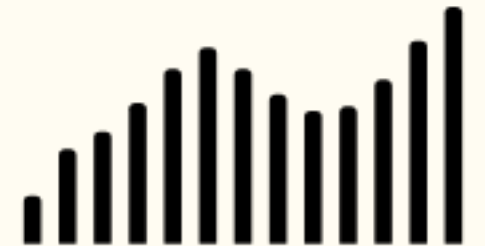


Federal, state, local government

# An Uncertain Enabling Environment Leads to a Distorted Capital Stack



# Long-Term Recovery

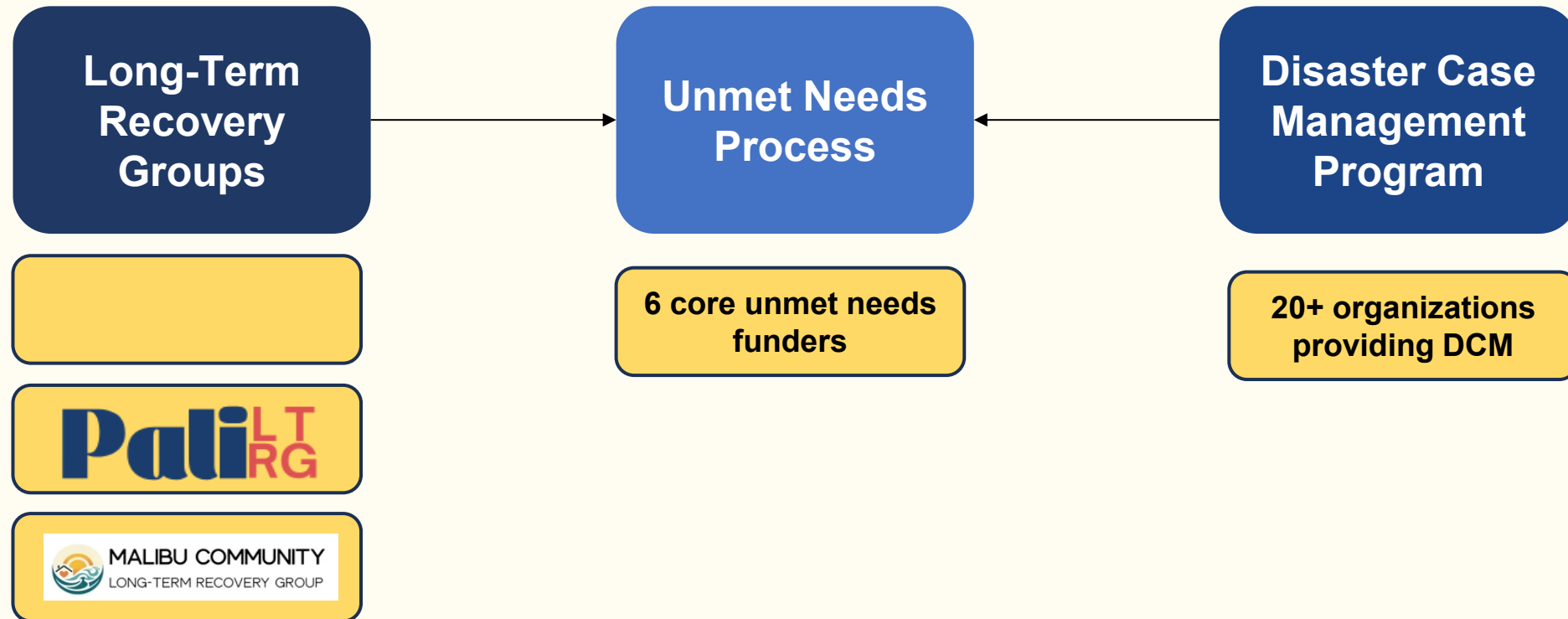


# Traditional Unmet Needs Ecosystem Serves Most Vulnerable

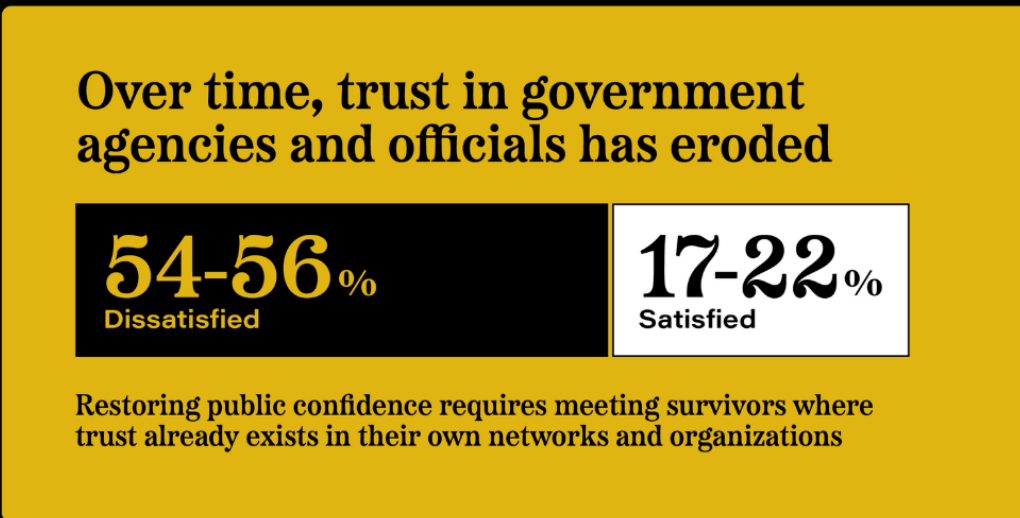
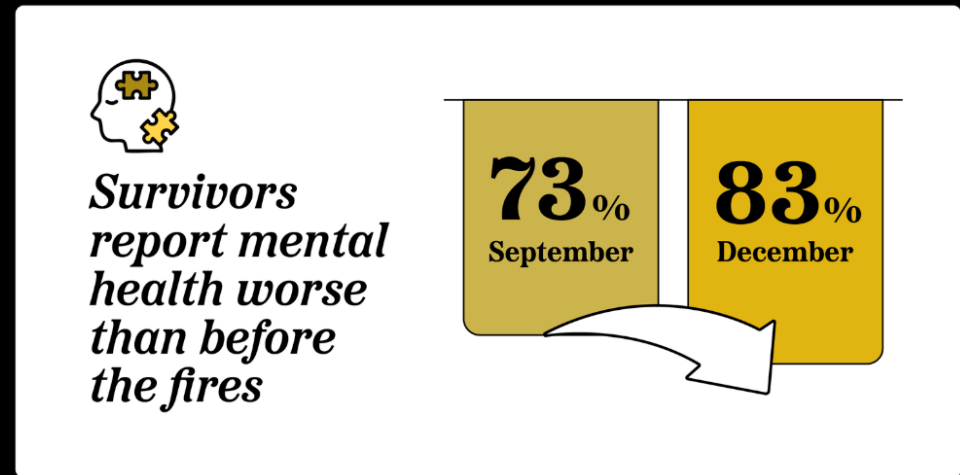
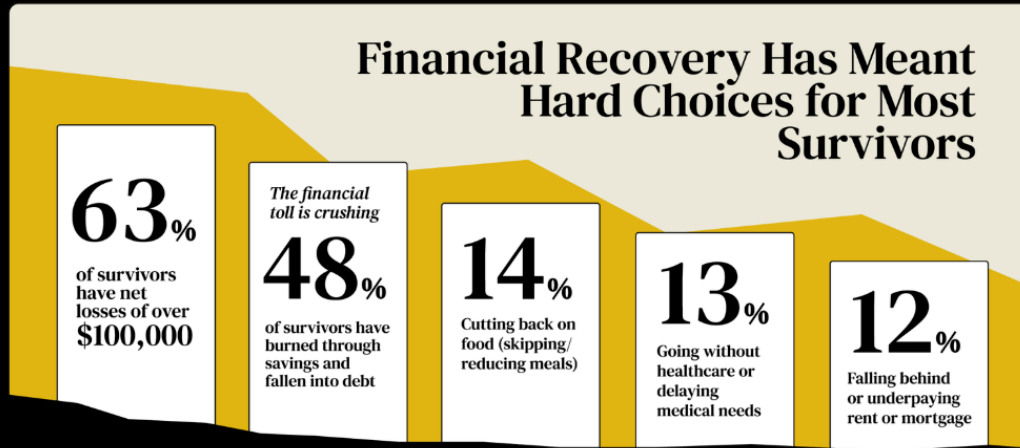
Serve as umbrella for direct service organizations and community anchor for disaster case management program.

A structured approach involving Long-Term Recovery Groups, disaster case managers, and philanthropy to identify and address the recovery needs of disaster survivors.

Provides individualized recovery planning for survivors in collaboration with LTRGs.



# Continuum of Needs in Disaster Recovery

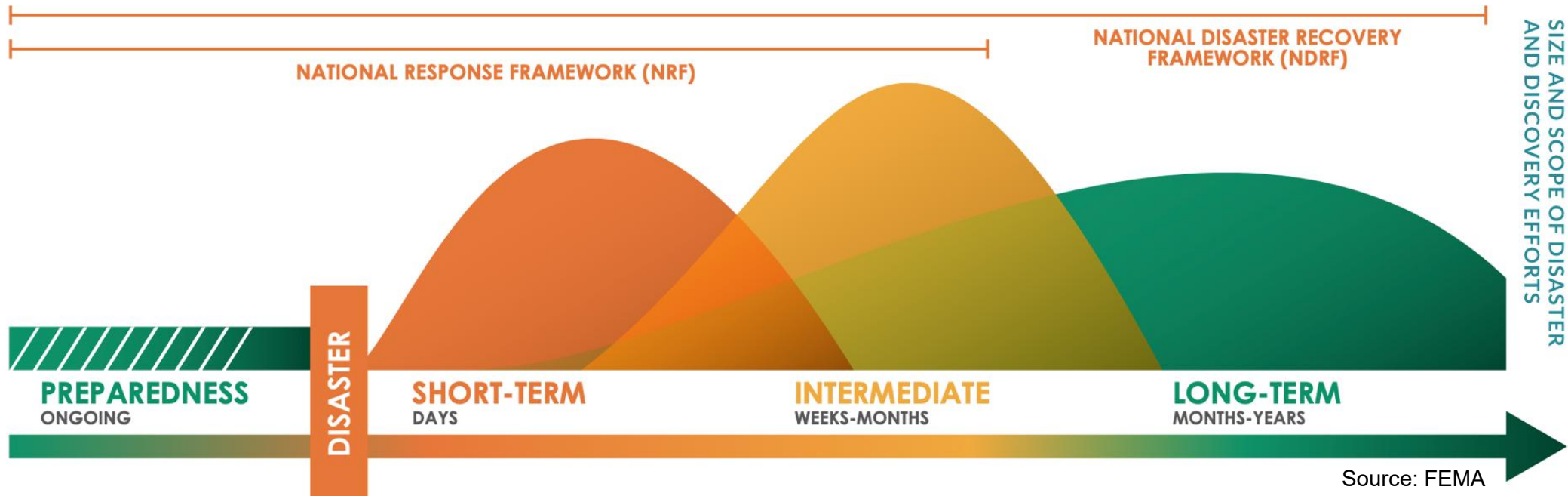
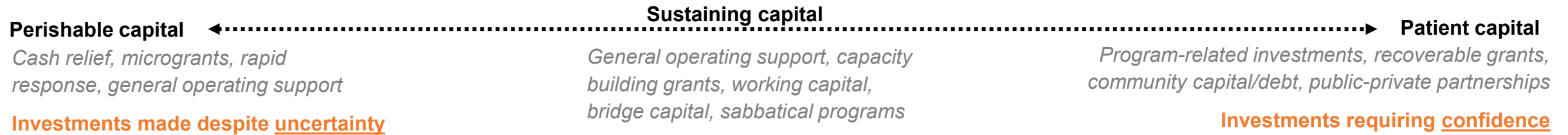


*"Many neighbors think there are no more resources for them. We have to retell our story over and over and over again, just to get resources"*

*Altadena Survivor*

# Continuum of Capital in Disaster Recovery

*As we transition toward long-term recovery, capital needs will become greater and more complex for rebuilding projects. Capital providers will move from "perishable" products like one-time cash grants toward "patient" products such as program-related investments, debt, blended capital, and public-private partnerships.*



# Continuum of Funder Collaboration

*Higher Independence*

*Higher Integration*



**Exchange  
Knowledge**

**Coordinate  
funding**

**Coinvest in  
existing  
initiative**

**Co-create new  
initiative**

**Fund the funder**

## Fund the funder

**Principle funder is selected among funder community** and together rely on one fully integrated strategy. Full decision-making authority, and risk, rests with principle.

[The Change Reaction](#) is a charitable organization backed by a family foundation which provides flexible stabilization assistance, gap financing for rebuild, and remediation assistance.

They have partnered with Direct Relief and other philanthropic funders in a “fund the funder” model to provide a spectrum of recovery assistance to homeowners impacted by the fires.

While they are not the only funder providing support of this kind, this partnership model is illustrative of the approach.



Perishable

Sustaining

Patient

Co-create new initiative

Funders launch and fund new operational or grant-making initiative then collaborate on scope and structure while sharing decision making authority.

The [Los Angeles Wildfires Rebuilding & Renewal Fund](#) (LAWRRF) is dedicated investment vehicle designed to meet these gaps at scale with an initial focus on housing.

One year after the fires, the Fund is poised to commit initial investments while simultaneously launching a capital campaign toward its \$100 million target. Collaborative members have made over \$30 million in aligned investments and grants that leverage shared learning on local organizations and needs.



Sustaining

Patient

Coinvest in existing initiative

Funding is pooled among donors and rests with existing funder or initiative. Often joint applications and donor reports are created.

The **LA Region Small Business and Worker Relief Funds** were established by the [Los Angeles County Department of Economic Opportunity \(DEO\)](#) and the [City of Los Angeles Economic and Workforce Development Department \(EWDD\)](#) to provide financial assistance following the January 2025 windstorms and wildfires. SoCal Grantmakers played the role of fiscal sponsor for the funds, and AidKit provided third-party grant administration. Individual donors, community foundations, and commitments from the Governor's Office were pooled to provide direct cash assistance to fire-impacted small businesses and workers.

Perishable

Sustaining

Patient



department of economic opportunity  
COUNTY OF LOS ANGELES



**LA Region Small Business and Worker Relief Funds**

The funds provide **direct cash assistance** for those most impacted by the windstorms and wildfires.

**Grants**

-  Small businesses and nonprofits can receive up to a **\$25,000 grant**
-  Directly impacted workers can receive **\$2,000 grants**

→

## Coordinate funding

Funders agree to shared strategies and respectively invest in aligned causes. Funders retain full autonomy of grantmaking.

The [L.A. Wildfire Recovery Funders Collaborative](#), co-convened by SoCal Grantmakers and Center for Strategic Partnerships, is a cross-sector coalition that connects public and private funders to align strategies, coordinate funding, and steward long-term recovery efforts. This groups meets quarterly to exchange knowledge, amplify awareness, and coordinate funding across key recovery areas.

Perishable

Sustaining

L.A. Wildfire  
Recovery Funders  
Collaborative

Other Philanthropic  
Tables, Cross-Sector  
Partnerships, Long-  
Term Recovery  
Groups

### Recovery Support Functions (RSFs)

Housing & Infrastructure

Economic Recovery

Health, Education, & Social Services

Natural & Cultural Resources

Community Planning & Capacity  
Building

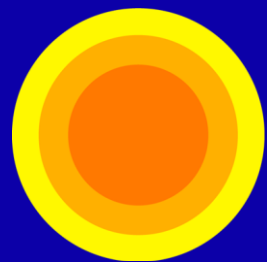
## Exchange Knowledge

**Funders intentionally engage in shared learning to amplify situational awareness** while each retaining full autonomy of individual grantmaking.

SoCal Grantmakers continues to convene funders around informational [briefings](#) as the region moves through long-term recovery.



[lily@socalgrantmakers.org](mailto:lily@socalgrantmakers.org)



**SoCal  
Grantmakers**

(213) 860-8866  
[info@socalgrantmakers.org](mailto:info@socalgrantmakers.org)

1000 North Alameda Street #230  
Los Angeles, California 90012



# **Napa County**

## **2022 Building Resilient Infrastructure and Communities Grant**

March 6, 2025

# Grant History

- **February 2023** – Application submitted
- **September 2023** – Review Phase Notice
- **February 2024** – Supervisor visit to FEMA
- **March 2024** – Request for Information
- **April 3, 2024** – Cleared environmental and program review
- **April 15, 2024** – Notice of Phase 1 Award
  - Internal Kickoff Meetings/Grant Paperwork etc
- **May 8, 2024** – CalOES Kickoff Meeting – Phase 1 Begins
- **April 4, 2025** – Notice of Cancellation





## BRIC Fast Facts

### **\$50 million-dollar Grant**

\$37.5 million - FEMA

\$12.5 million - Napa Co/Cost-Share

### **Fuels Reduction**

7 Projects - County-wide

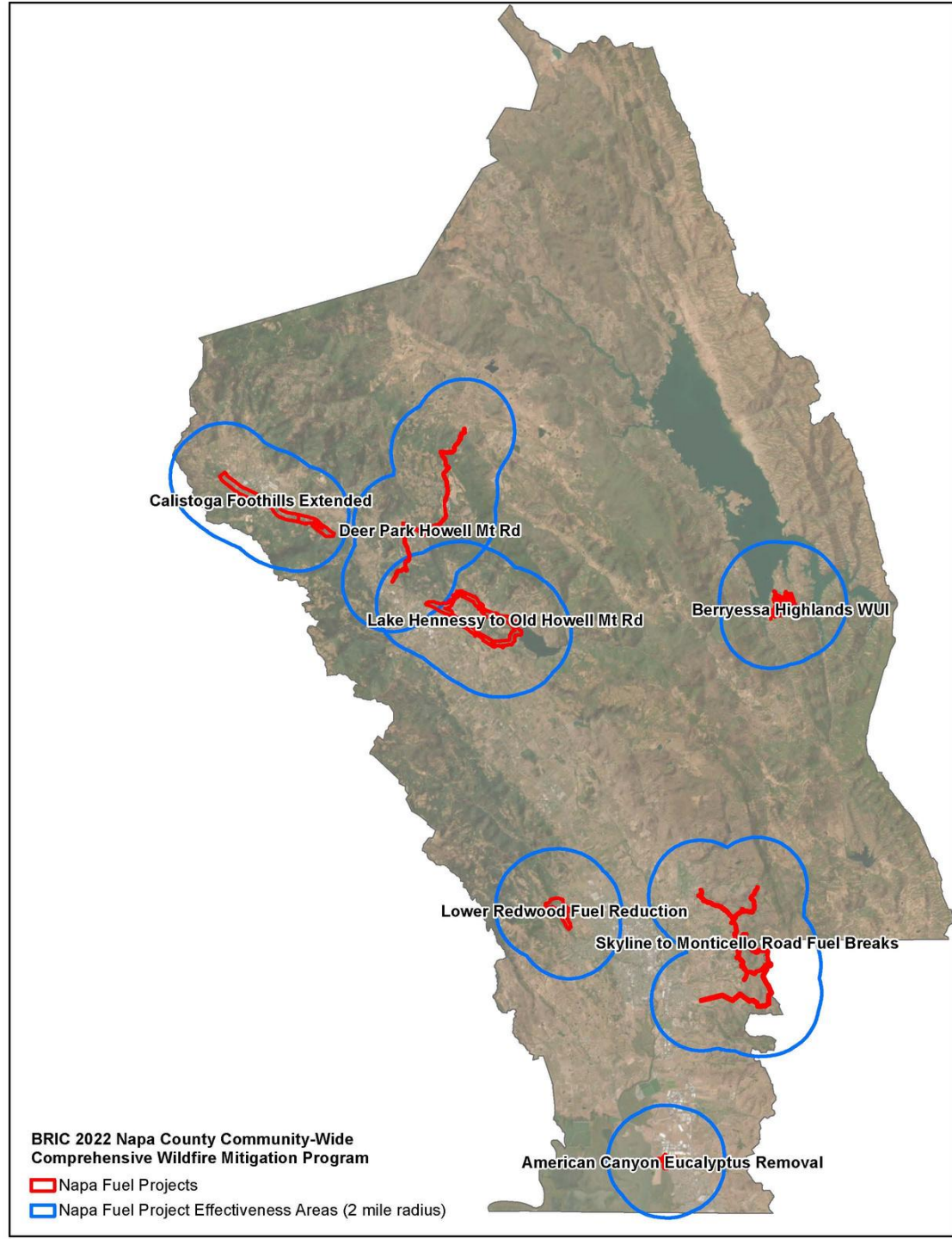
### **Community Cost Share Program**

Defensible Space

Ignition Resistant Construction

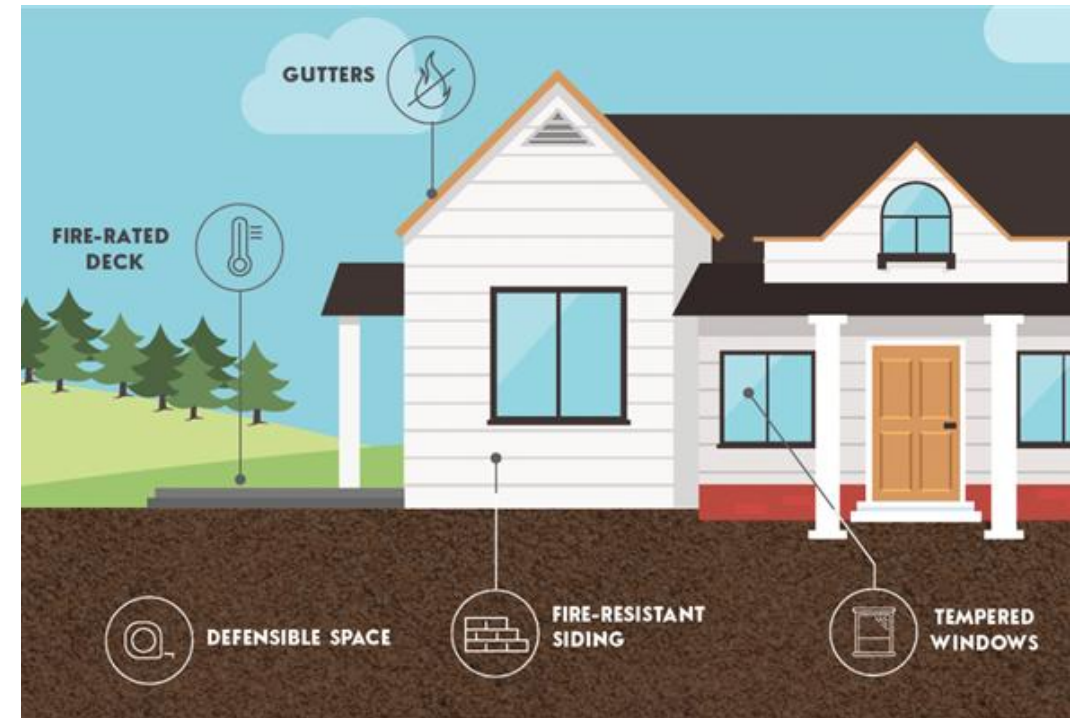
# Project Map

- **Calistoga Foothills Extended**
  - Fuels Reduction
- **Deer Park/Howell Mountain Road**
  - Roadside Clearing
- **Lake Hennessey to Old Howell Mountain Road**
  - Roadside Clearing/Fuels Reduction
- **Berryessa Highlands**
  - WUI Fuels Reduction
- **Lower Redwood Road**
  - Fuel Reduction
- **Skyline to Monticello Road**
  - Fuel Break
- **American Canyon**
  - Eucalyptus Removal



# Home Hardening

- **Defensible Space**
  - Around home/structures
- **Ignition Resistant Construction**
  - Specifics under review – ex: roof, windows, siding
- **Cost-Share Program**
  - Income-based





# Timeline

## Phase 1 - Planning - 0-14mo

**\$9.9 million**

\$7.1m - FEMA; \$2.8m - Napa Co

## Phase 2 - Implementation - 15-48mo

**\$40.1 million**

\$30.4m - FEMA; \$9.7m - Napa Co

# Phase 1

- **Defensible Space & Ignition Resistant Construction**
  - **3 Contractors Aquired**
  - **Marketing & Outreach**
    - Customer/Back end Workflow
    - Website & Portal Development
    - Marketing Material Development
  - **Environmental**
    - Pathway for NEPA clearance
- **Fuels Reduction Projects**
  - Contractor RFP Completed





## Recovery

### 2025 HMGP - applications submitted

- County - Berryessa Highlands

- NCFF - Skyline to Monticello - Portions

### Congressman Thompson

- NCFF - 2027 Congressional Budget

### Citizens Tax Initiative

- November 2026 - 0.5 sales tax

- Open Space & Fuels Reduction



**Thank You**

# SUTTER BUTTE FLOOD CONTROL AGENCY



Integrated Climate Adaption and Resiliency  
Program (ICARP)

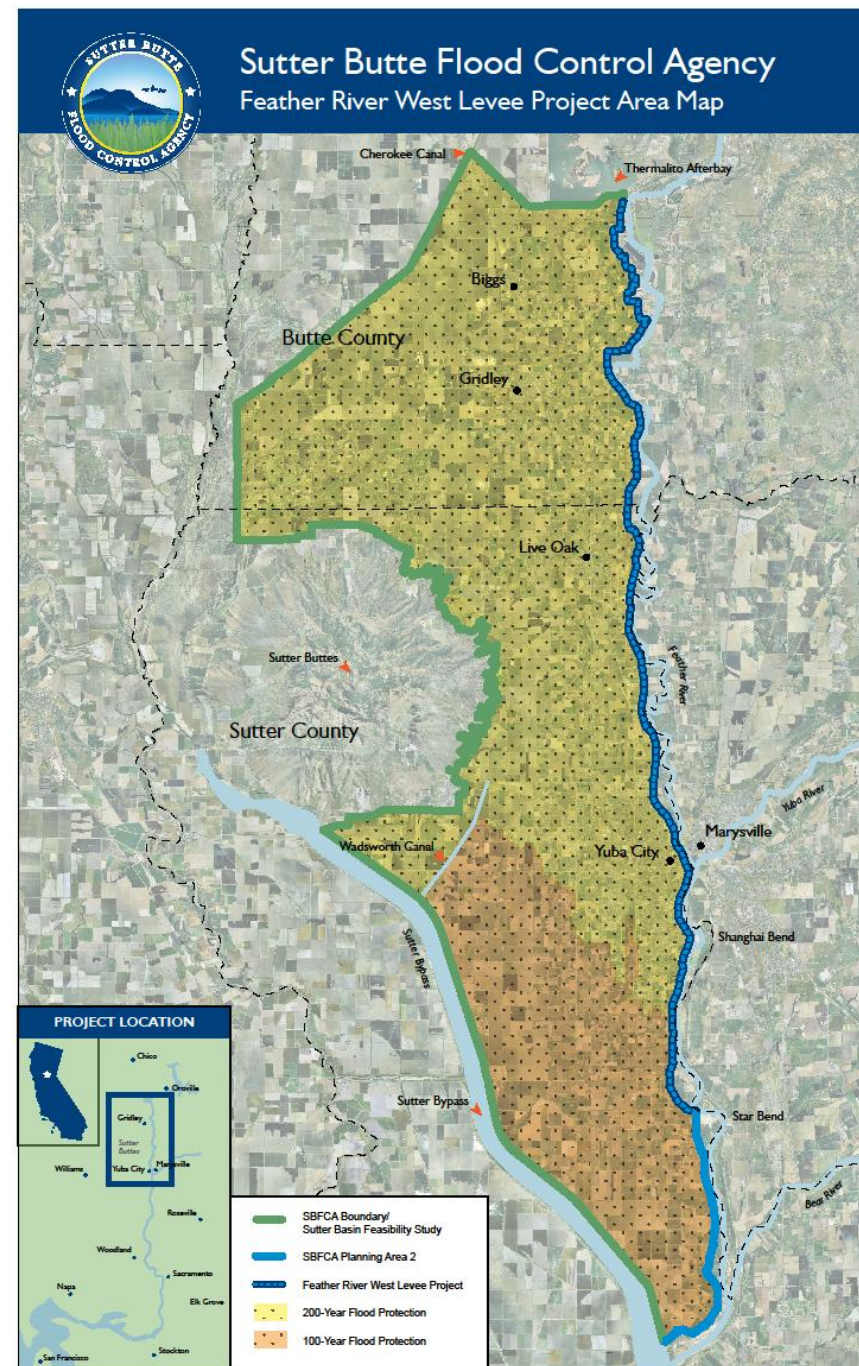
Technical Advisory Council

March 6, 2026

Michael Bessette, Executive Director

# SBFCA Agency Overview

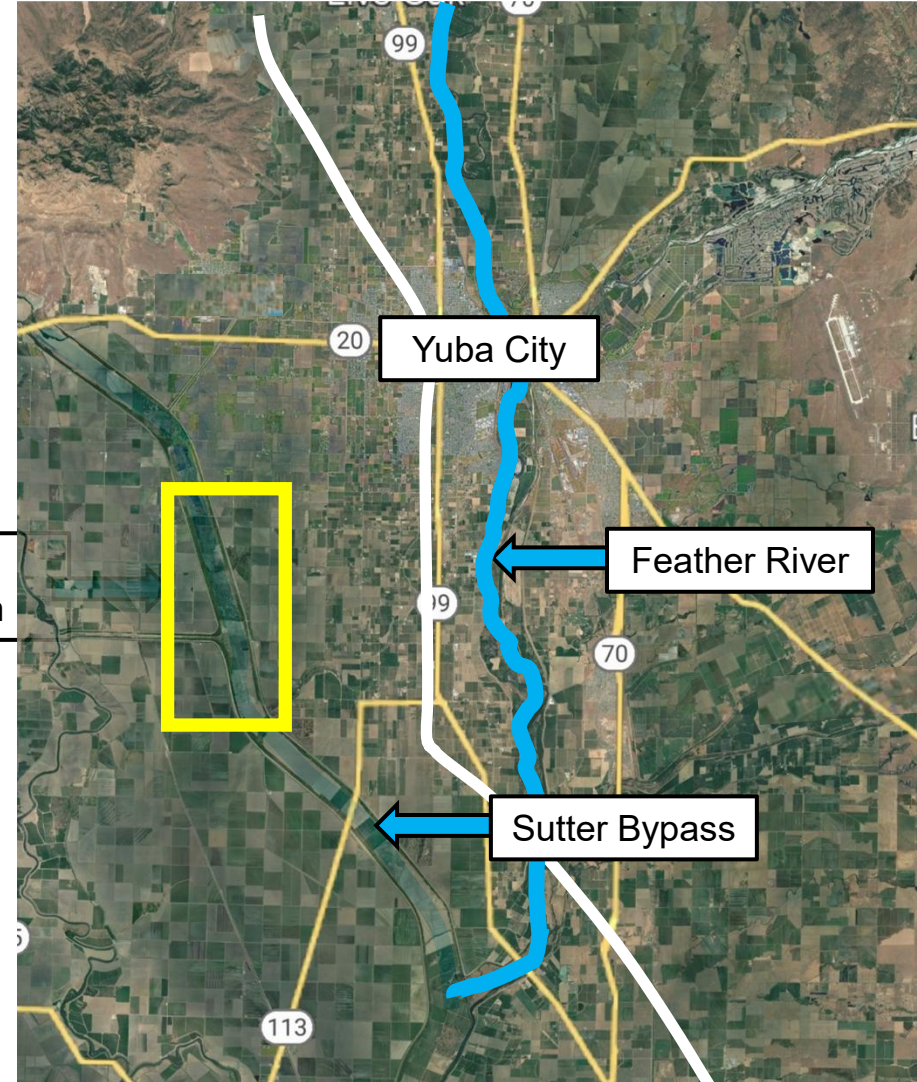
- Basin (300 sq. miles)
- Members (2 Counties, 4 Cities, 2 Levee Districts)
- Joint Powers Authority (2007)
- 2010 Assessment District
- Public Safety, FEMA, SB5
- Goals
  - 200-year protection north
  - 100-year protection south



## Project Overview

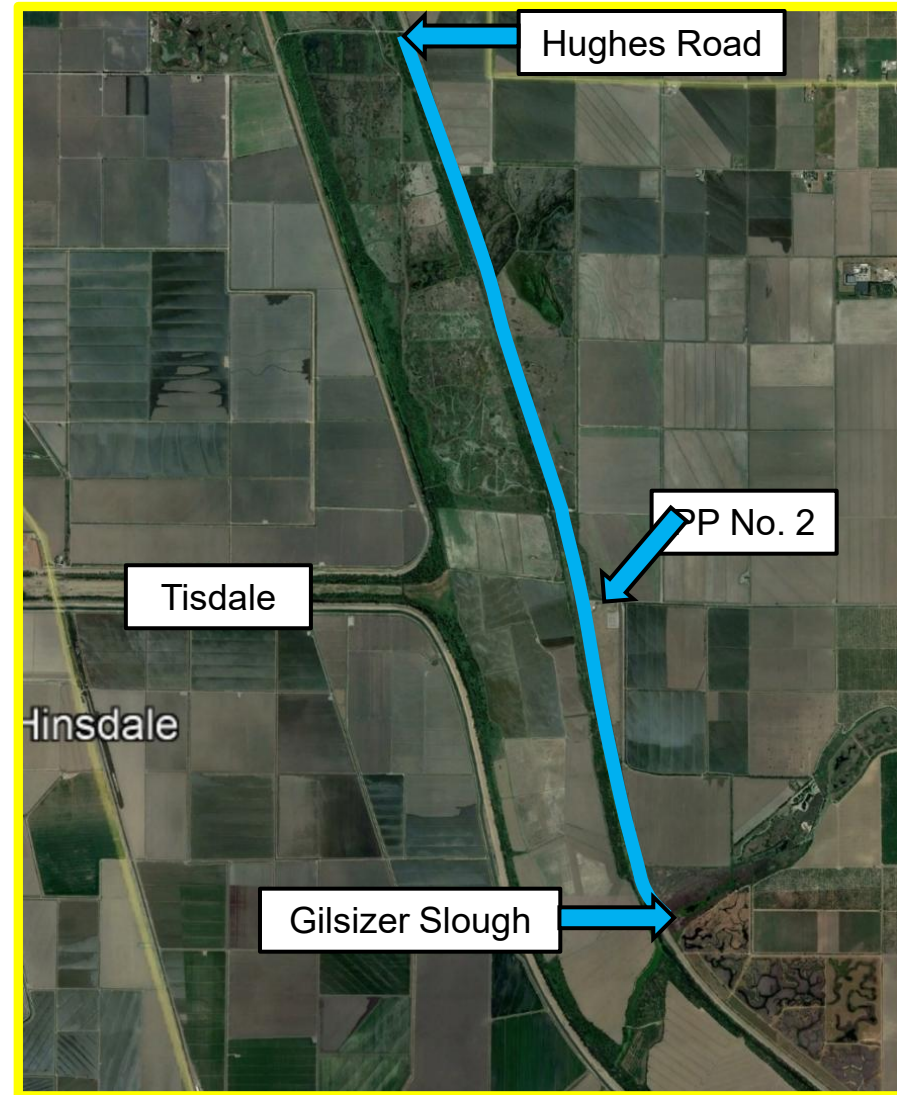
- Sutter Bypass East Levee
- **Location:** Tudor/unincorporated Sutter County
- **FEMA Grant:** \$50 million through BRIC program
- **Project Status:** Selected for BRIC funding in July 2024; currently at 90% design level
- **Project Readiness:** Expected to be shovel-ready by Q4 2026

Project Location



# Project Overview1

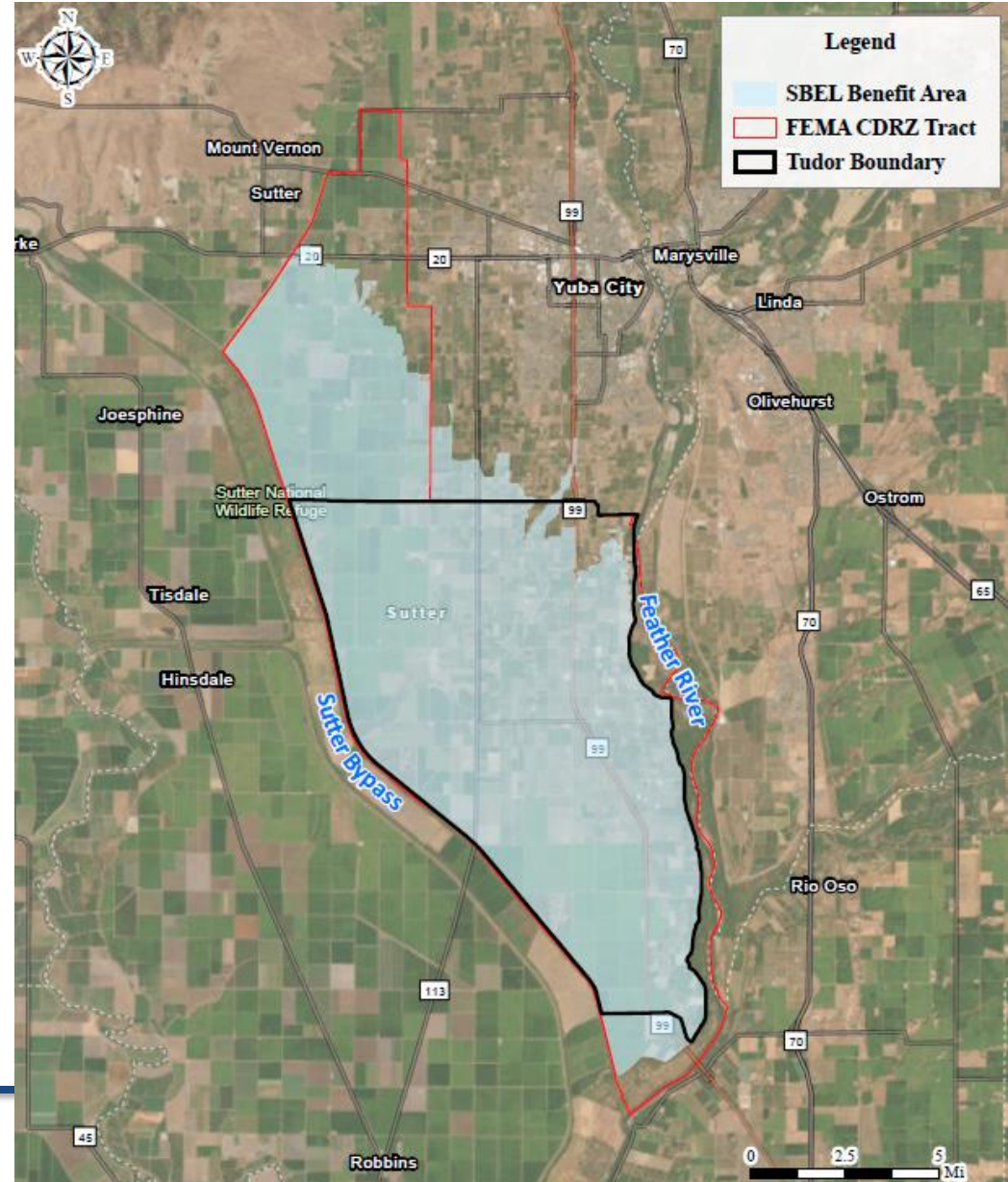
- Sutter Bypass East Levee
  - ~5.2 Miles of Levee
  - Hughes Road to Gilsizer Slough
- Levee Improvement
  - Degrade
  - Cutoff Wall Placement
  - Reconstruction
  - Penetrations
  - Encroachments



# URGENT CONCERN

On April 4, 2025, FEMA announced the cancellation of the BRIC program and all pending grants from FY2020-2023, including the Sutter Bypass East Levee (SBEL) Project. This decision puts at risk:

- Protection for a rural, disadvantaged community that was designated by FEMA as a Community Disaster Resilience Zone (CDRZ)
- \$50 million in federal funding for critical flood protection
- \$4 million in state matching funds
- \$2 million in local in-kind contributions
- Over 6 years of planning, design, and permitting work
- A project with a benefit-cost ratio of 1.27 to 1 (total project benefits: \$70.9 million)

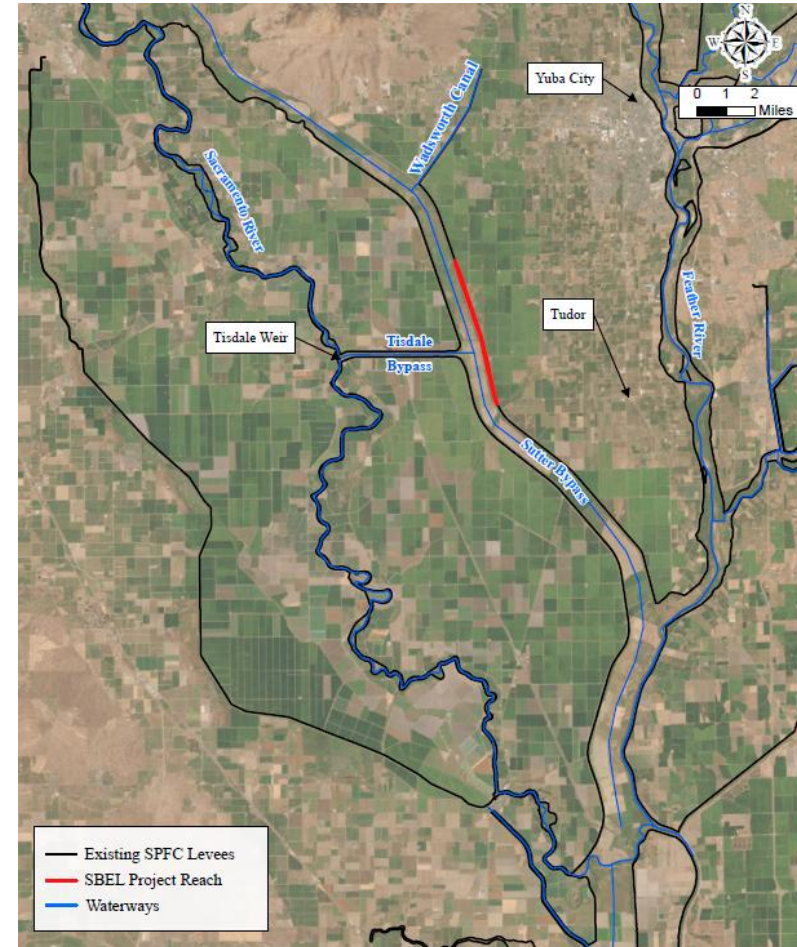


# COMMUNITY IMPACT

- Protects ~3,400 people living in the south Sutter basin, including the entire population within FEMA CDRZ 06101051000
- National Risk Index score ranks in the top 1% both nationally and within California
- 82<sup>nd</sup> percentile for low household income
- 99<sup>th</sup> percentile for expected agricultural loss rate

## Critical Infrastructure & Economic Assets Protected

- State Route 99
  - Critical evacuation route for the region
- Highway 113
- Calpine's 550-megawatt Sutter Energy Center
  - Future location for decarbonization facility, cited as critical to achieving California's carbon neutral goals
- Central Gaither Elementary School
- Commercial structures and businesses serving the community
- Agricultural lands



## Project Progress & Investment

- State environmental review (CEQA) and federal permitting process are currently underway
- California Department of Water Resources supporting with \$4 million state grant for design and permitting

## Project Components and Benefits

- **Levee Strengthening:** 5.2 miles of cutoff walls
- **100-Year Protection:** Project levees will be designed to the 100-year event with additional freeboard
- Improves the most critical sub-reach of the Sutter Bypass East Levee protecting the south Sutter basin
- Ensures investment in Feather River West Levee improvements (\$470 million) is not undermined by potential breaches along the Sutter Bypass



# NEXT STEPS

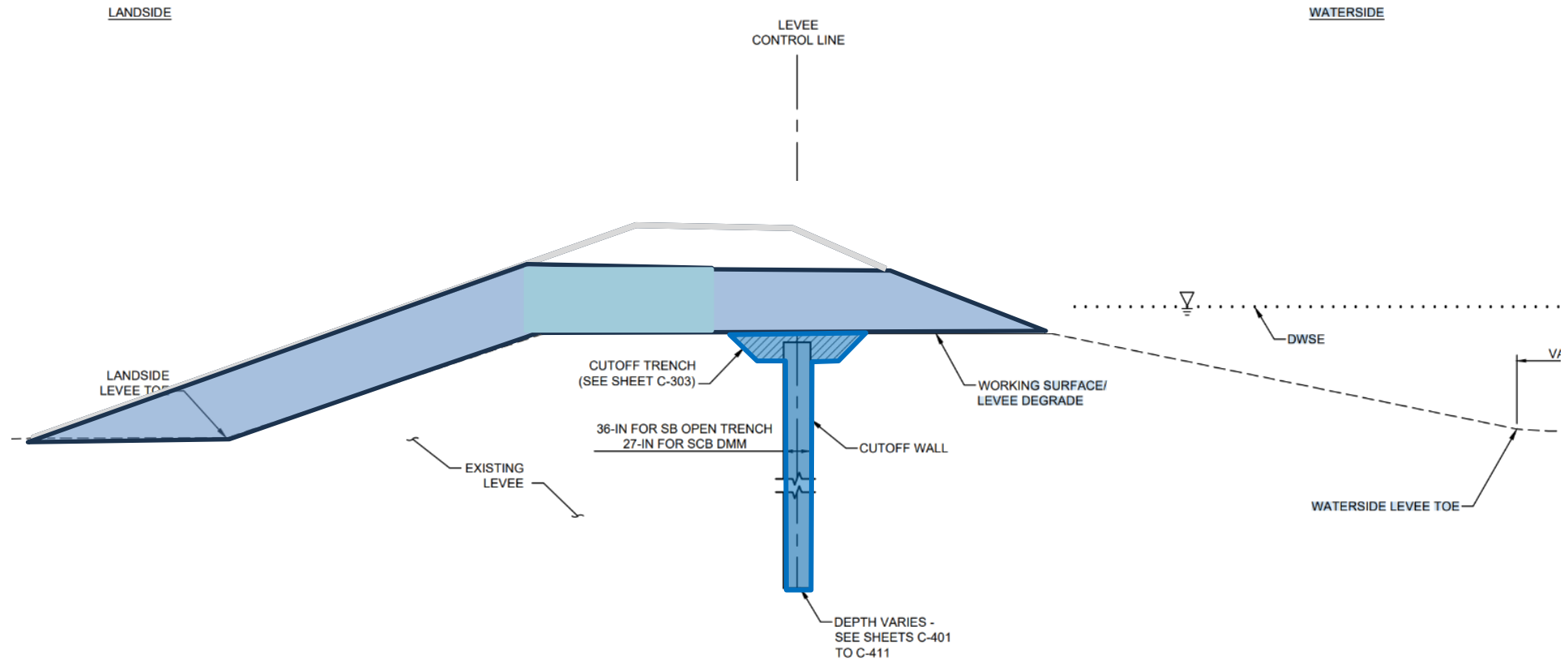
- BRIC – Can it be Restored?
- HMGP – Submit application and work w/ State and federal elected representatives
- Look for State funding opportunities
- Look for other federal funding opportunities



# Questions & Answers



# LEVEE DEGRADE AND CUTOFF WALL



# Funding and Financing Sea Level Rise in Alameda

Integrated Climate Adaptation and Resilience Program (ICARP)

Technical Advisory Council (TAC) meeting

March 6, 2026





1909 - South Shore



1939 - Neptune Beach



1942 - Bay Farm Island Dyke Construction



1942 - Ships at Shipways

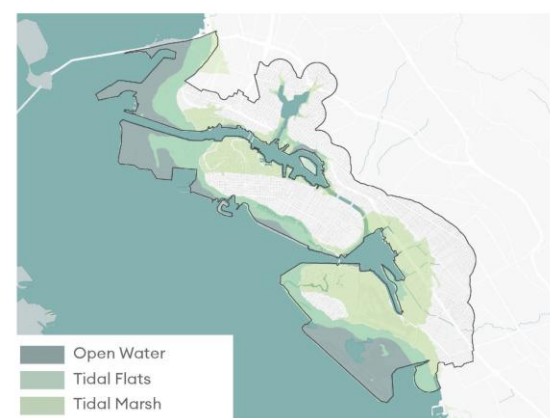


1966 - Naval Air Station

# Our Changing Shoreline

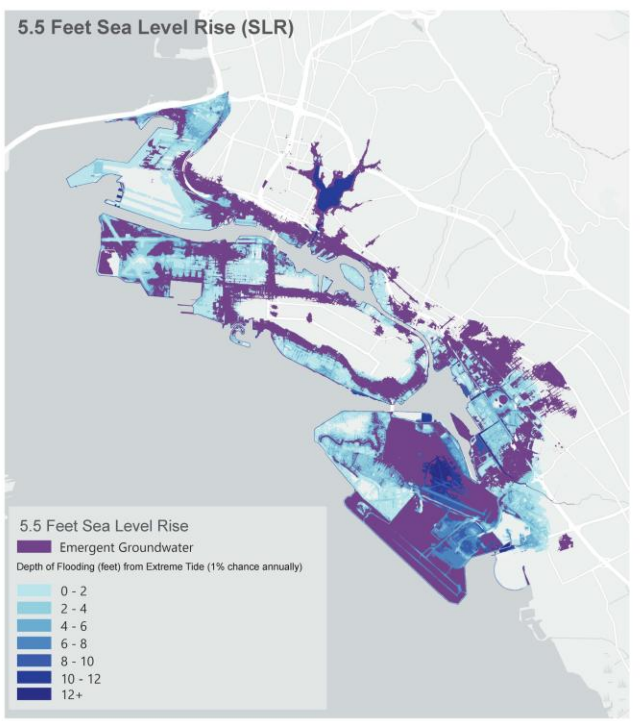
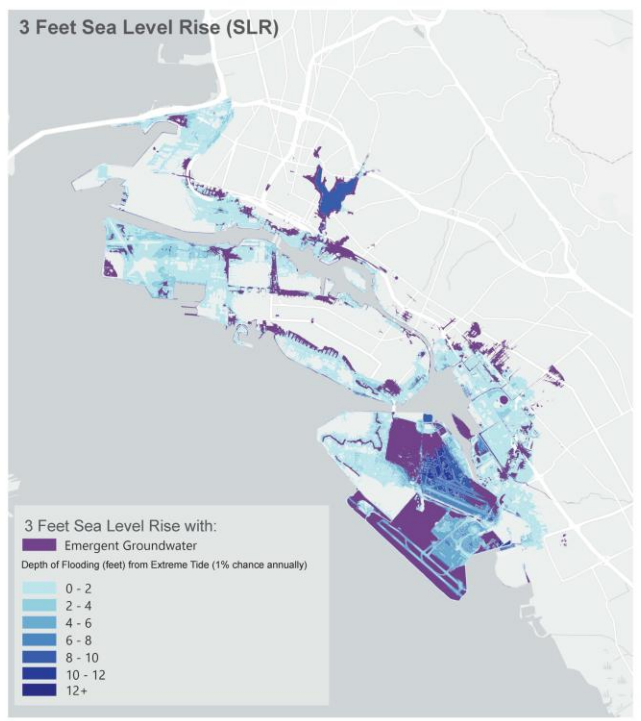
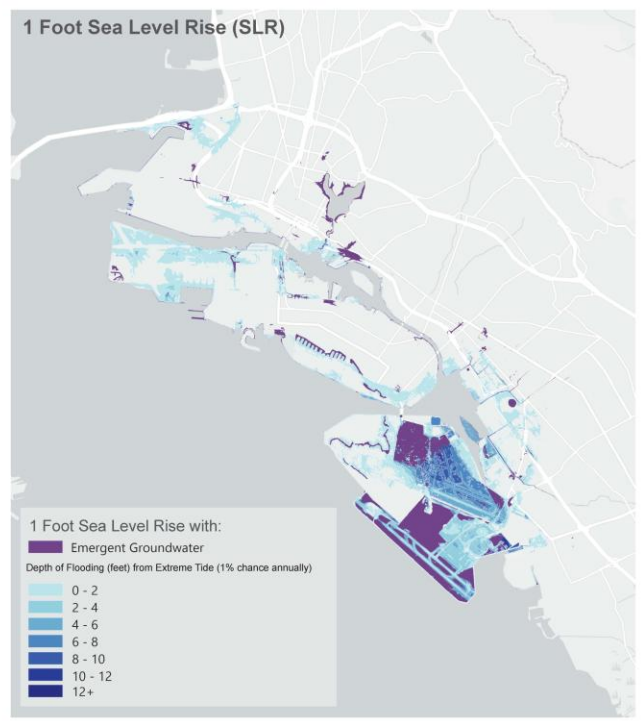


## HISTORICAL BAYLANDS

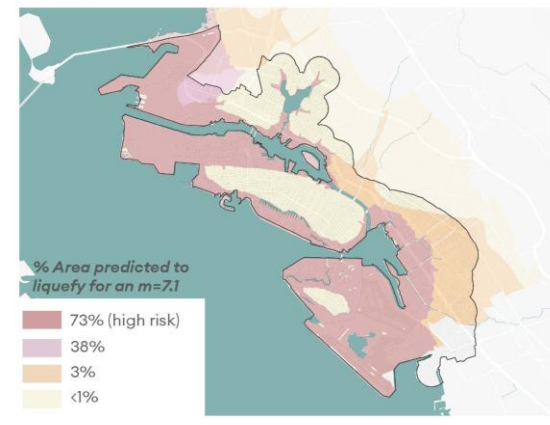


# Alameda's Risks

## COASTAL FLOODING AND EMERGENT GROUNDWATER



## LIQUEFACTION RISK



## LOW-LYING FLOOD-PRONE AREAS

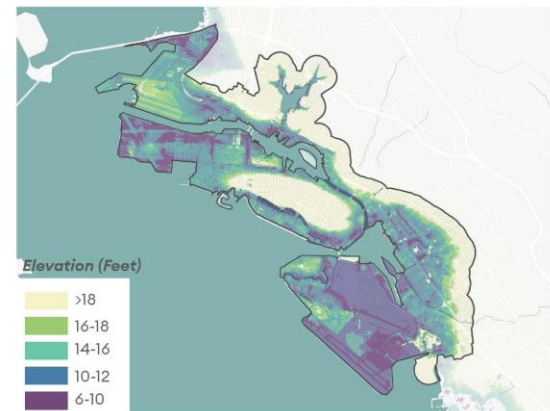




Photo credit: Maurice Ramirez

## **Oakland Alameda Adaptation Committee (OAAC)**

A coalition of shoreline communities, agencies and stakeholders working to coordinate the Oakland Alameda sub-region flood and adaptation projects to protect and restore water quality, habitat, equity, transportation and community resilience.



# OAAC Adapt: Project Partners

## Agency Partners

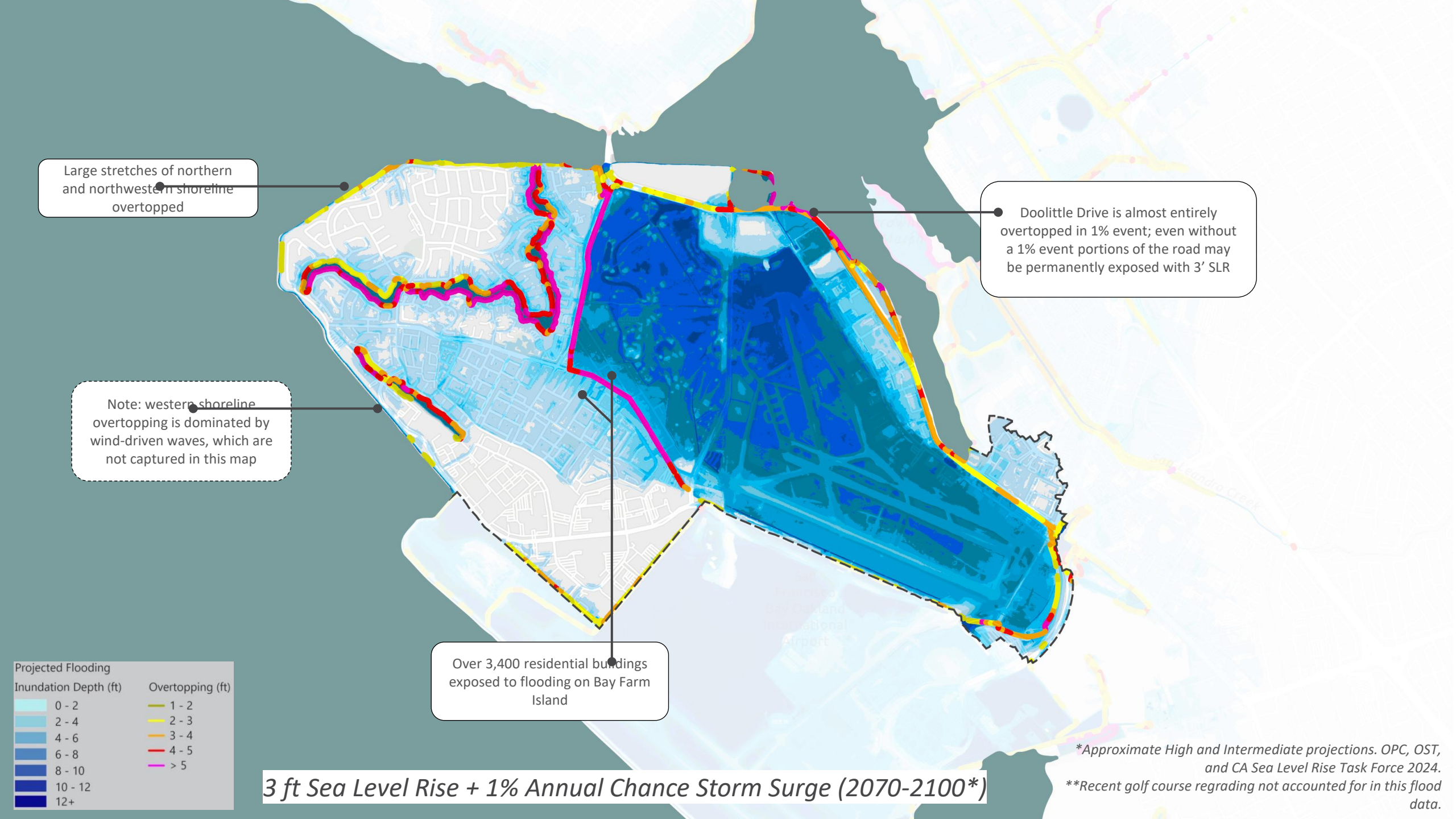


## Community Partners



## Consultants





Large stretches of northern and northwestern shoreline overtopped

Doolittle Drive is almost entirely overtopped in 1% event; even without a 1% event portions of the road may be permanently exposed with 3' SLR

Note: western shoreline overtopping is dominated by wind-driven waves, which are not captured in this map

Over 3,400 residential buildings exposed to flooding on Bay Farm Island

Projected Flooding	
Inundation Depth (ft)	Overtopping (ft)
0 - 2	1 - 2
2 - 4	2 - 3
4 - 6	3 - 4
6 - 8	4 - 5
8 - 10	> 5
10 - 12	
12+	

**3 ft Sea Level Rise + 1% Annual Chance Storm Surge (2070-2100\*)**

\*Approximate High and Intermediate projections. OPC, OST, and CA Sea Level Rise Task Force 2024.

\*\*Recent golf course regrading not accounted for in this flood data.



# BFI Project: Near-Term Project Design

NORTHERN SHORELINE

LAGOON OUTFALL

VETERANS COURT



# Near-term Project: Waterfront Open Space



# FEMA BRIC Grant: Near-term Project



Area designated as a FEMA CDRZ

**BRIC federal \$50M**  
(90%)

**Non-federal \$5.5M**  
(10%) - CDRZ

**Total \$55.5M**

Recommended for  
further review by FEMA

BRIC program canceled  
April 2025



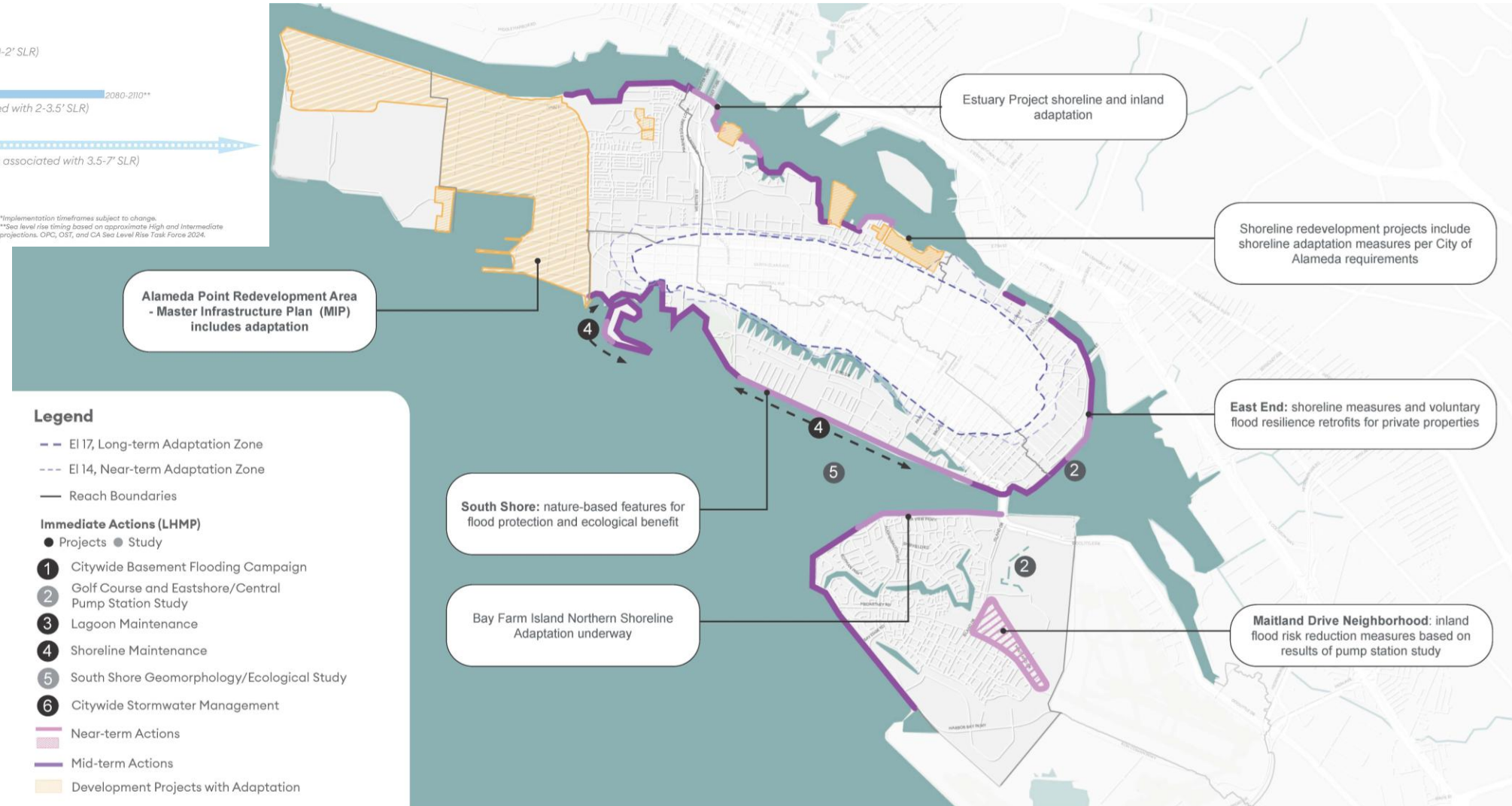
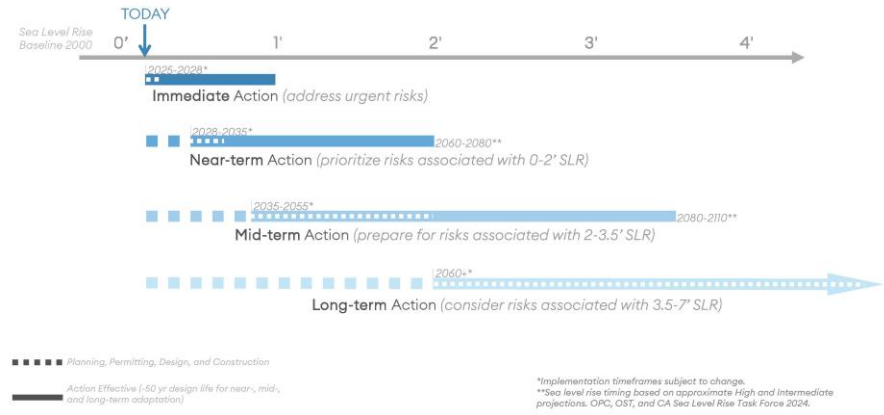
# Bay Farm Island Adaptation Project Funding Landscape

Amount	Source	Scope	Status	Time Period
\$350,000	City General Fund	Initial studies	Completed	2020-2021
\$100,000	Local Stormwater Fees	Initial studies	Completed	2021-2023
\$1.5M	FEMA/Congressionally Directed Spending	30% Design	Completed	2022-2025
\$500,000	City General Fund – FEMA match	30% Design	Completed	2022-2025
\$305,000	City General Fund	Geotechnical Studies and 30% Design Refinement	In process	2025-2026
\$2.6 million	Prop 68 Grant	60% Design	Awarded	2026-2028
\$200,000	<i>City General Fund</i>	<i>60% Design</i>	<i>Requested</i>	<i>2026-2027</i>
\$585,000	<i>SB1 Track 2</i>	<i>100% Design (nature-based components only)</i>	<i>Requested</i>	<i>2027-2028</i>
<b>\$6.14 million</b>		<b>Total Project Cost: \$75 Million</b>		



# Shoreline Adaptation Plan

[www.alamedaca.gov/ShorelineAdaptationPlan](http://www.alamedaca.gov/ShorelineAdaptationPlan)



## Legend

- - - El 17, Long-term Adaptation Zone
- - - El 14, Near-term Adaptation Zone
- Reach Boundaries
- Immediate Actions (LHMP)**
- Projects ● Study
- ① Citywide Basement Flooding Campaign
- ② Golf Course and Eastshore/Central Pump Station Study
- ③ Lagoon Maintenance
- ④ Shoreline Maintenance
- ⑤ South Shore Geomorphology/Ecological Study
- ⑥ Citywide Stormwater Management
- Near-term Actions
- Mid-term Actions
- Development Projects with Adaptation

## Adaptation Infrastructure Costs Currently Known

Project Area	Est. Total Project Cost	Current or Pending Funding
<b>Bay Farm Island</b>	\$75M	\$6.14M
<b>Estuary</b>	\$120M	\$810,000
<b>South Shore</b>	\$75M	\$240,000
<b>Alameda Point Northern Shoreline</b>	\$30M	\$15M
<b>Total</b>	<b>\$290M</b>	<b>\$22.19M</b>

- Alameda/OAAC has been successful attracting grant funding to date
- Significant competition
- Focus on NbS can be challenging in urban environment
- Funding environment uncertain
- Local sources important to augment grants
- There will be additional costs/project needs



# Community Engagement



**Alameda Sea Level Rise  
Planning Fair**  
REAP Climate Center  
September 27, 2025



# Thank you!

**Danielle Mieler**

**Sustainability and Resilience  
Manager**

**City of Alameda**

**(510) 747-4713**

**[dmieler@alamedaca.gov](mailto:dmieler@alamedaca.gov)**

**Visit our Website**

**[www.alamedaca.gov/Shoreline  
AdaptationPlan](http://www.alamedaca.gov/ShorelineAdaptationPlan)**



# Item 5 | Discussion



CA Governor's Office of  
**Land Use and  
Climate Innovation**

# Item 6 | Update on Climate Bond (Proposition 4)



CA Governor's Office of  
Land Use and  
Climate Innovation

# ICARP TAC Presentation

Julie Alvis & Clesi Bennett  
CA Natural Resources Agency

March 6, 2026

# CLIMATE BOND

≡ PROP 4 • 2024 ≡

GOVERNOR GAVIN NEWSOM  
STATE OF CALIFORNIA



# What is the Climate Bond?

- Voter-authorized (Prop. 4) in fall 2024
- \$10 billion general obligation bond
- 100+ programs will be funded through multiple agencies and departments
- Will roll out over the coming fiscal years
- Overarching goal to protect communities and nature from climate hazards (e.g., wildfire, drought, flood, extreme heat, sea level rise)

# From Bond Act to Projects



BOND STATUTE  
ALLOCATES FUNDS TO  
DEPARTMENTS FOR  
PROGRAMS/PROJECTS

ANNUAL BUDGET ACT  
GIVES AUTHORITY TO  
SPEND FROM BOND  
FUND

STATE TREASURER'S  
OFFICE PROVIDES  
CASH

BOND PROCEEDS ARE  
USED TO FUND  
PROJECTS, STAFFING,  
AND RELATED COSTS

# What's in the \$10 Billion Climate Bond?



\$3.8 Billion for Water Quality, Drinking Water, Flood Protection, Drought and Water Resilience



\$1.2 Billion for Biodiversity and Nature-Based Solutions



\$1.5 Billion for Wildfire Protection and Forest Resilience



\$ 300 Million for Climate Smart Agriculture



\$1.2 Billion for Coastal Protection and Resilience



\$ 700 Million for Park Creation and Outdoor Access



\$ 450 Million for Extreme Heat Mitigation



\$ 850 Million for Clean Air and Energy

# \$3.3 Billion is Now Authorized to Rollout



~ \$1.2 Billion for Water Quality, Drinking Water, Flood Protection, Drought and Water Resilience



~ \$390 Million for Biodiversity and Nature-Based Solutions



~ \$415 Million for Wildfire Protection and Forest Resilience + \$181 Million in Early Action



~ \$ 153 Million for Climate Smart Agriculture



~ \$279 Million for Coastal Protection and Resilience



~ \$466 Million for Park Creation and Outdoor Access



~ \$ 110 Million for Extreme Heat Mitigation



~ \$275 Million for Clean Air and Energy

# \$2.1 Billion Proposed in Governor's 2026-27 Budget



~ \$792 Million for Water Quality, Drinking Water, Flood Protection, Drought and Water Resilience



~ \$199 Million for Biodiversity and Nature-Based Solutions



~ \$314 Million for Wildfire Protection and Forest Resilience



~ \$89 Million for Climate Smart Agriculture



~ \$107 Million for Coastal Protection and Resilience



~ \$35 Million for Park Creation and Outdoor Access



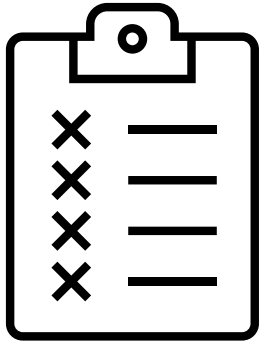
~ \$241 Million for Extreme Heat Mitigation



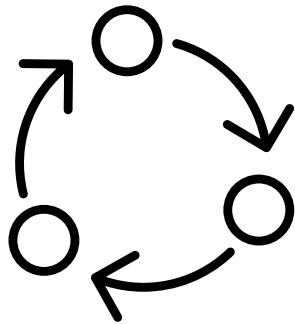
~ \$326 Million for Clean Air and Energy

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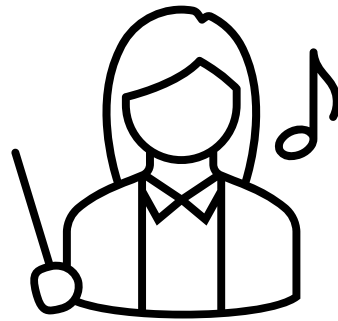
# Guiding Principles for Implementation



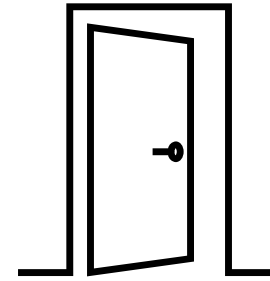
STRATEGIC



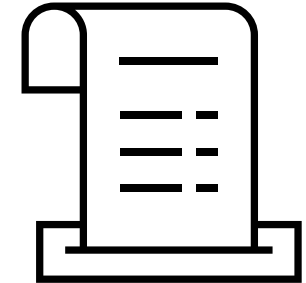
MULTI-BENEFIT



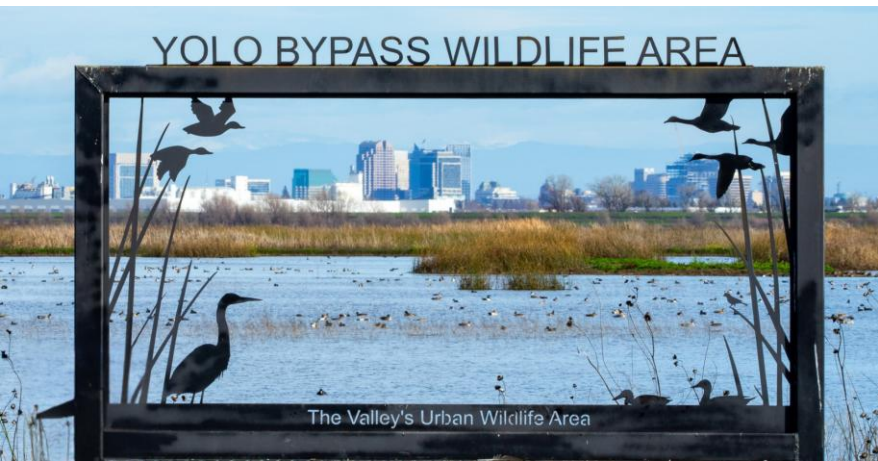
COORDINATED



ACCESSIBLE



ACCOUNTABLE



# Interagency Coordination

- All agencies report required bond-related data, which is reported to a public website.
- CNRA hosts regular “Climate Bond Connect” meetings with administering departments to share updates and information related to implementation.
- Many active interagency topic-specific workgroups in place, such as for technical assistance, grants administration, data sharing, etc.
- Cross-agency collaboration to inform Climate Bond tools and best practices.

# Examples of Best Practices for Programs

<b>Simplifying Funding Pathways</b>	<ul style="list-style-type: none"><li>• Use plain language for program materials.</li><li>• Use a two-step or rolling grant application process.</li><li>• Offer application assistance.</li></ul>
<b>Using Consistent Practice Across Programs</b>	<ul style="list-style-type: none"><li>• Allow reimbursement of grantee indirect costs.</li><li>• Support advanced payments when possible.</li></ul>
<b>Coordinating for Broader Impact</b>	<ul style="list-style-type: none"><li>• Train staff to improve community engagement skills.</li><li>• Align funds for regional scale, and multi-benefit outcomes.</li></ul>

# How Can Communities Participate?

## Help Shape Grant Programs

Review & share input on draft program guidelines during comment periods.

For tribes, request tribal consultation or attend tribal roundtables.

Offer feedback on programs as they roll out, so programs can improve for future rounds.

## Apply for Grant Funding

Take advantage of program materials, workshops, and technical assistance before submitting a grant proposal.

Reach out to program staff with questions.

Share feedback about grant process and experience with applying.

# Ensuring Funds Flow to Communities That Need it Most

At least 40 percent of the total bond funding “shall be allocated for projects that provide meaningful and direct benefits to vulnerable populations or disadvantaged communities.”



## Step-by-Step Assessment Process

- What benefits will the project provide?
- Who will the project benefit?
- Are the anticipated benefits “meaningful and direct”?
- How will the project count toward the 40 percent requirement?

# Climate Bond Definitions

---

**Disadvantaged community (DAC):** A community with a median household income of less than 80 percent of the area average or less than 80 percent of statewide median household income.

---

**Severely disadvantaged community (SDAC):** A community with a median household income of less than 60 percent of the area average or less than 60 percent of statewide median household income.

---

**Vulnerable population:** A subgroup of population within a region or community that faces a disproportionately heightened risk or increased sensitivity to impacts of climate change and that lacks adequate resources to cope with, adapt to, or recover from such impacts. (Note: tribes are considered vulnerable populations)

# Meaningful and Direct Benefits

1. Ensures the creation of direct, tangible, and substantial benefits.
2. Protects or enhances a (S)DAC or vulnerable population's resources and quality of life by building climate resilience, protecting resources threatened by climate change, or creating/enhancing community or population assets
3. Directly responds to the (S)DAC's or vulnerable population's expressed need or desired benefit.
4. Does not result in a long-term degradation or reduction of any (S)DACs' or vulnerable populations' resources identified in (2).

# Bond Resources

---

## **Climate Bond Website:**

[https://bondaccountability.resources.ca.gov/Propositions/Proposition\\_4\\_Climate\\_Bond](https://bondaccountability.resources.ca.gov/Propositions/Proposition_4_Climate_Bond)

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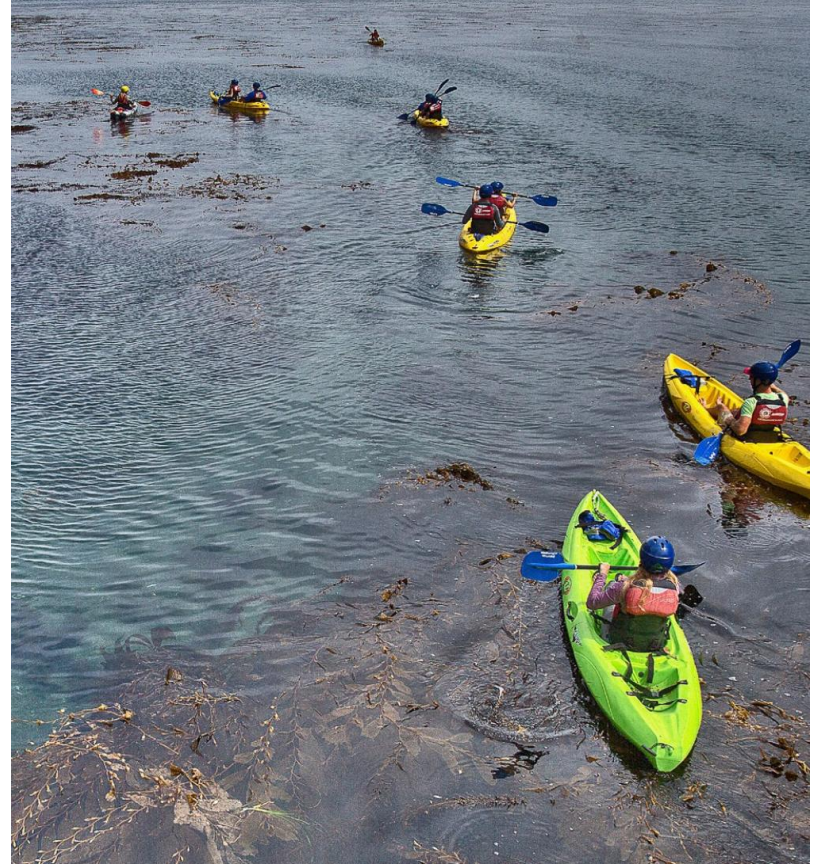
## **State Grants Portal:**

[grants.ca.gov](https://grants.ca.gov)

---

## **Climate Bond Email:**

[climatebond2024@resources.ca.gov](mailto:climatebond2024@resources.ca.gov)



**Questions?**

---

# Item 7 | Vulnerable Communities Platform Use Cases



CA Governor's Office of  
Land Use and  
Climate Innovation

# Vulnerable Communities Platform (VCP) Updates

Governor's Office of  
Land Use and  
Climate Innovation  
(LCI)



# VCP Launch

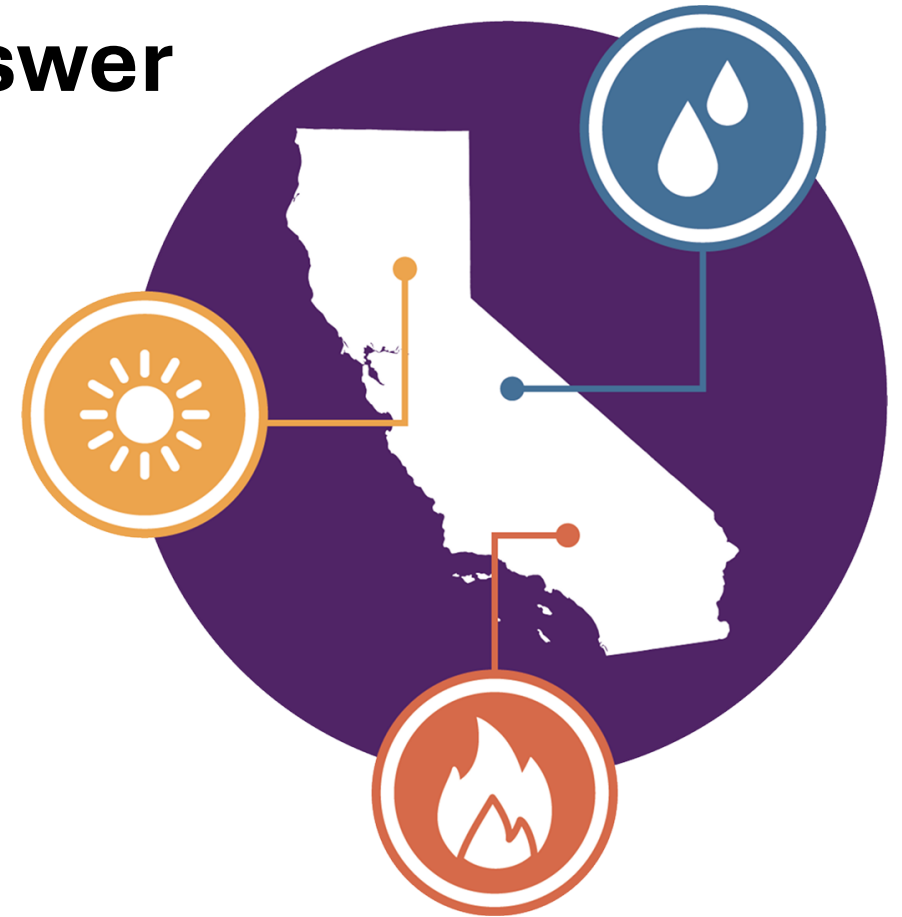
## Platform made public in October 2025

- Three statewide public webinars (for state agencies, local governments, and community based organizations)
- Dedicated communication effort to share platform to climate collaboratives, regional planning agencies, etc.
- Demo presentations to working groups (local health jurisdictions, COGs, state task forces, etc.)
- Over 13,000 website views to date



The VCP will help the State, community organizations, local governments, tribes, and concerned residents **answer three main questions:**

- Where different climate hazards will be most severe,
- Which communities are most vulnerable,
- And, what makes them vulnerable.



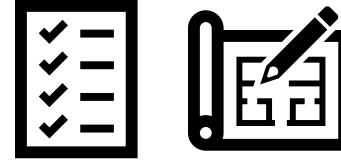
# Use Cases

## State and regional agencies



Identify climate-vulnerable populations and determine where efforts (e.g., outreach, projects, funding) should be focused.

## City/county or tribal government



Starting point for climate adaptation planning (SB 378, 1035)

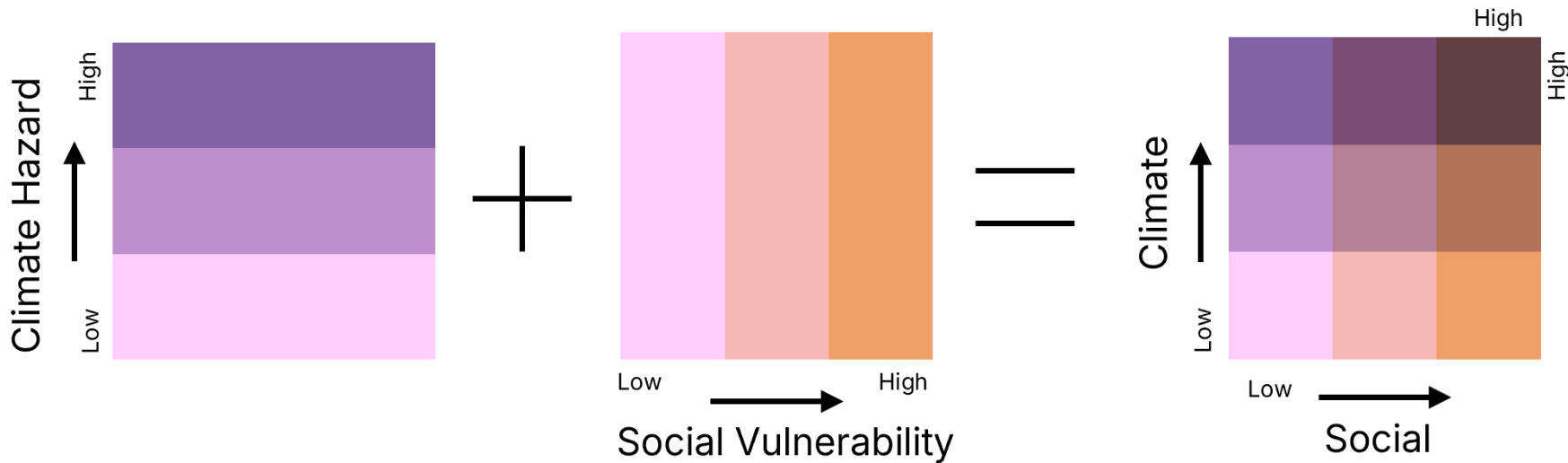
## Community based organization



Accessible data, maps, and visuals for grant applications

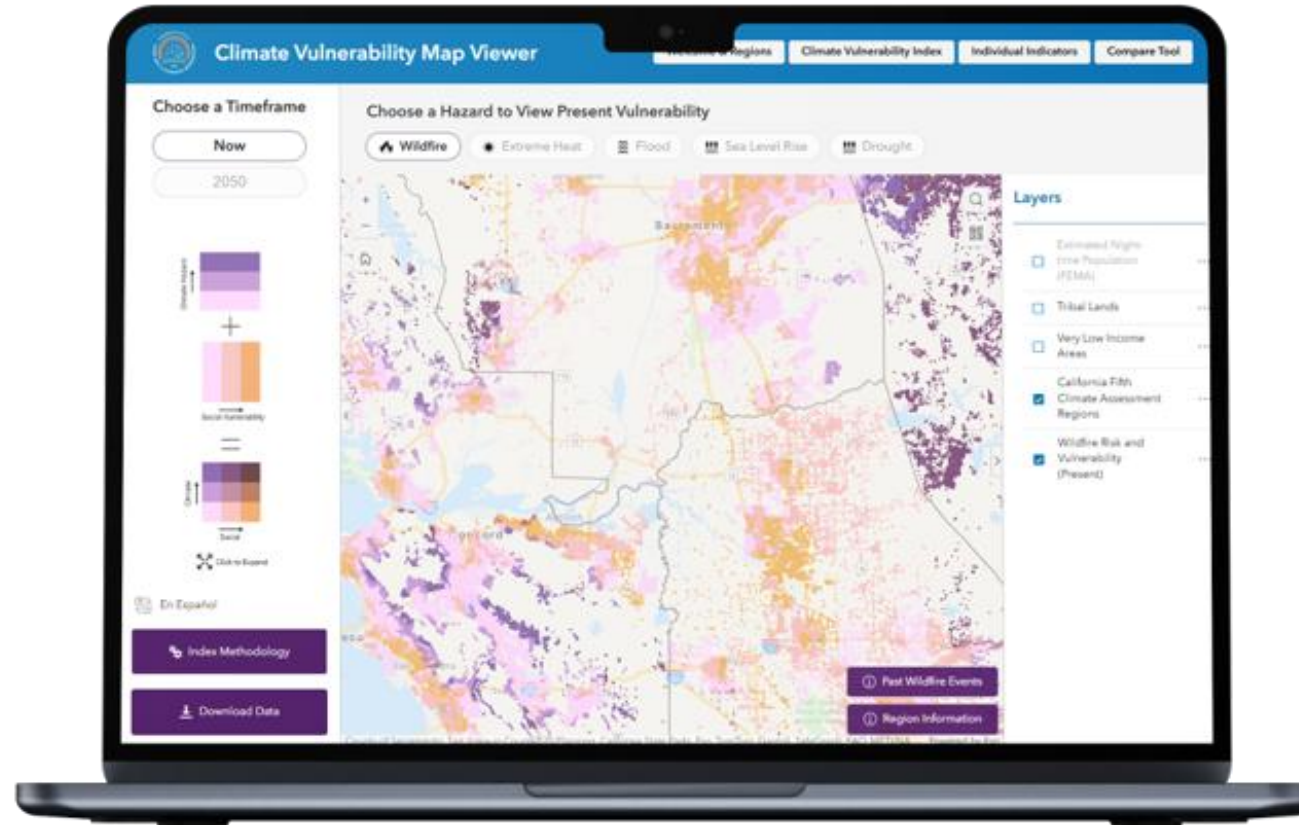


# Bivariate index for each climate risk; extreme heat, flooding, sea level rise, and drought (except wildfire)



- Purple gradient uses hazard data (e.g. Climate projections, Floodplains).
- Orange gradient uses related social data (e.g. income, asthma rates).
- **Dark brown color** in combined gradient represents areas with the highest vulnerability – the co-occurrence of indicators from these data.

# Demo: Map and Report Tool



# Climate Ready Cohort

- Pilot group of 15 community organizations, local governments, and tribes are learning to use the VCP to develop climate vulnerability assessments for their communities
- Resulting e-learning modules and case study examples will guide future users

---

City of Yreka	Wyland Foundation	Koreatown Youth and Community Center	Valley Voices
City of Pittsburg	Instituto de Avance Integral Latino	Fresno Youth Leadership Institute	
Picayune Rancheria of Chukchansi Indians	Regeneration Pajaro Valley	City of Colusa	
Inland Empire Waterkeeper	Avance Latino	Acterra	
Urban Collaborative Project	SF Transit Riders	Communities for a Better Environment	

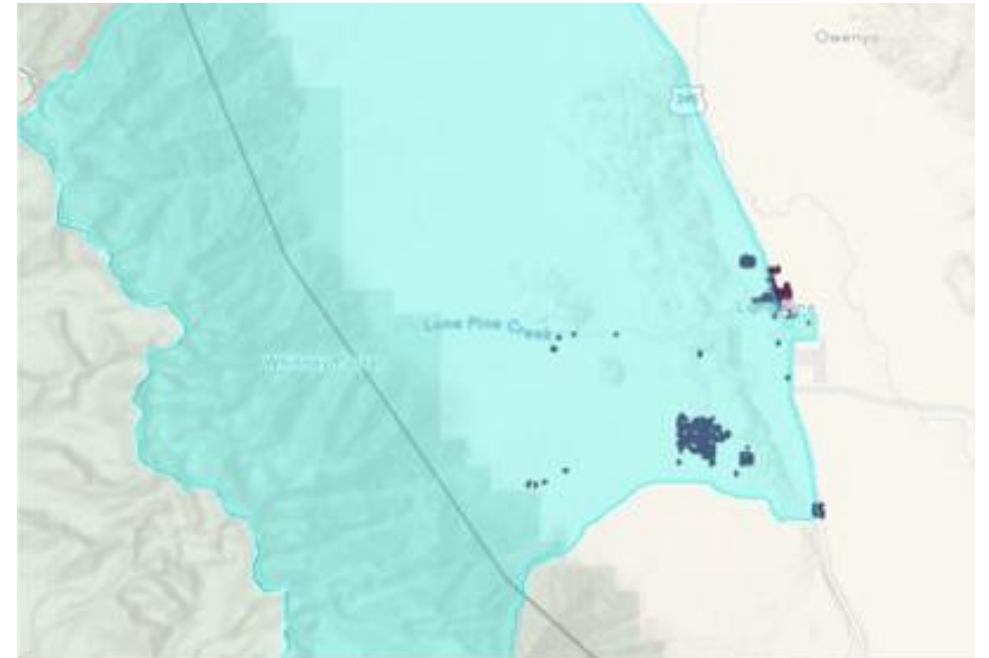
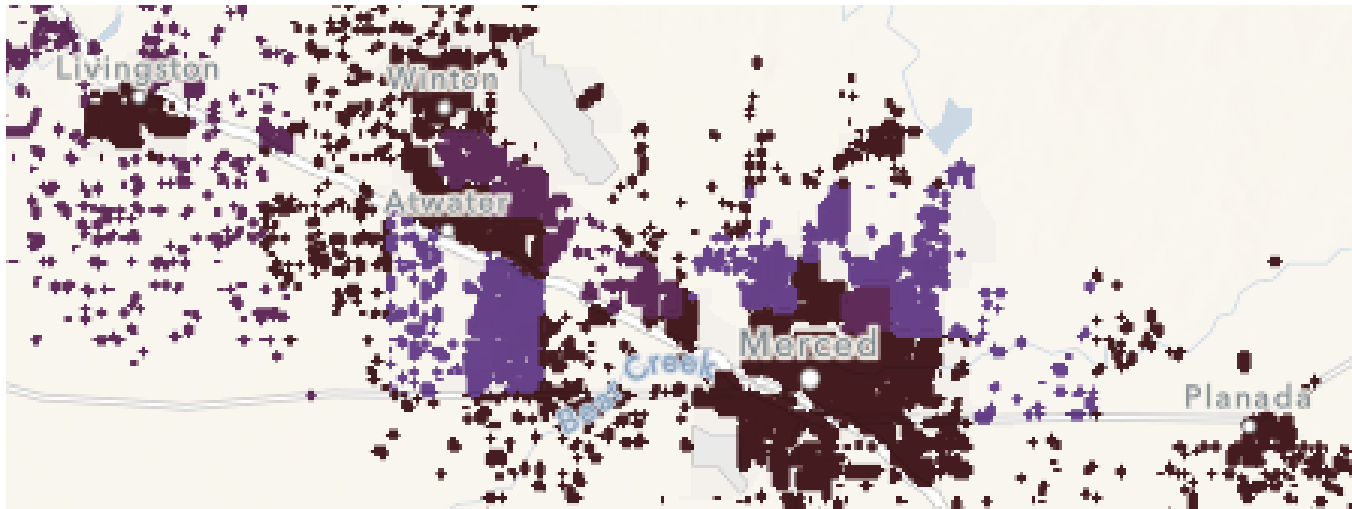
# Resources & Staying Involved

- Request a presentation at a webinar, working group meeting, conference, etc.
  - Contact [climateservices@lci.ca.gov](mailto:climateservices@lci.ca.gov)
- Guidance, or resources for climate adaptation work in general or support regarding the VCP
  - Visit our [Climate Adaptation Help Desk](#)
- VCP Listserv
  - [Tinyurl.com/vulnerablecommunitiesplatform](https://tinyurl.com/vulnerablecommunitiesplatform)

# How is the data displayed on the map?

FEMA population squares

- 90 meter squares representing where people live
- Much finer-scale than census tracts!



Lone Pine, CA &  
Mount Whitney

# Item 8 | 2025 ICARP Impact Report



CA Governor's Office of  
Land Use and  
Climate Innovation

# **Item 8 | Public Comment**



# **ACTION 1**

**Approve the 2025 ICARP  
Impact Report.**



# **LUNCH BREAK**

**Meeting will resume at 1:00 pm**



# Item 9 | Adaptation Planning Grant Program Showcase



CA Governor's Office of  
Land Use and  
Climate Innovation

# Adaptation Planning Grant Program Show Case

1:00 – 2:00 PM | March 6, 2026



CA Governor's Office of  
Land Use and  
Climate Innovation



# Meet the Team



**Sarah Samdin (she/her)**  
Adaptation Planning Grant  
Program Manager



**Rowena Bush**  
**(she/her)**  
Assistant Adaptation and  
Resilience Planner



# Funding Overview

## Round 1

- \$8 million investment made to 14 grantees
- Grants range from \$150k-\$650k
- Program closed on January 31, 2026

## Round 2

- \$9.5 million investment
- Canceled in 2024
- Provided qualitative feedback to 49 applicants

## Round 3

- \$4.5 million investment
- Canceled in 2023



# Key Priorities & Goals

## Enhance Accessibility & Diversity

- Minimize barriers for applicants, driving the program's core mission of inclusivity

## Prioritize Vulnerable Communities

- Prioritize their unique needs & emphasize an all risk approach

## Emphasize Integrated Infrastructure Planning

- Emphasize cross sector planning for social and physical infrastructure planning

## Integrate Financing Strategies

- Emphasize long-term financing strategies to sustain community-wide resilience

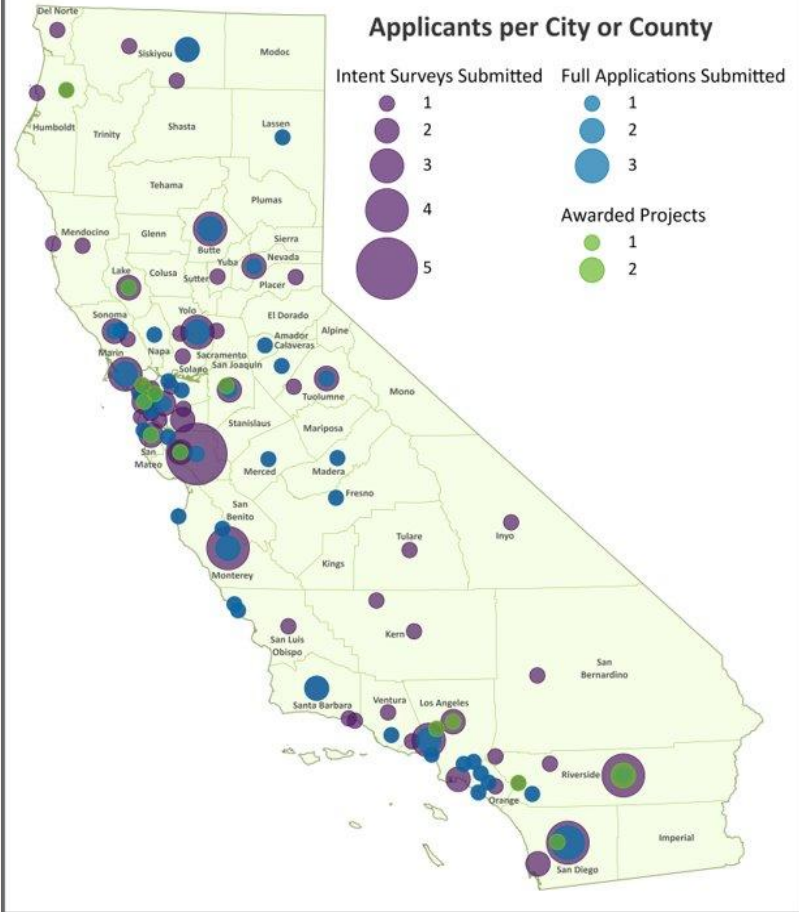
## Build Community Capacity for Resilience

- Enhance statewide capacity for adaptation and resilience through provision of technical support



# Summary of Round 1 Awards

Round 1 Adaptation Planning Grant Program (APGP)



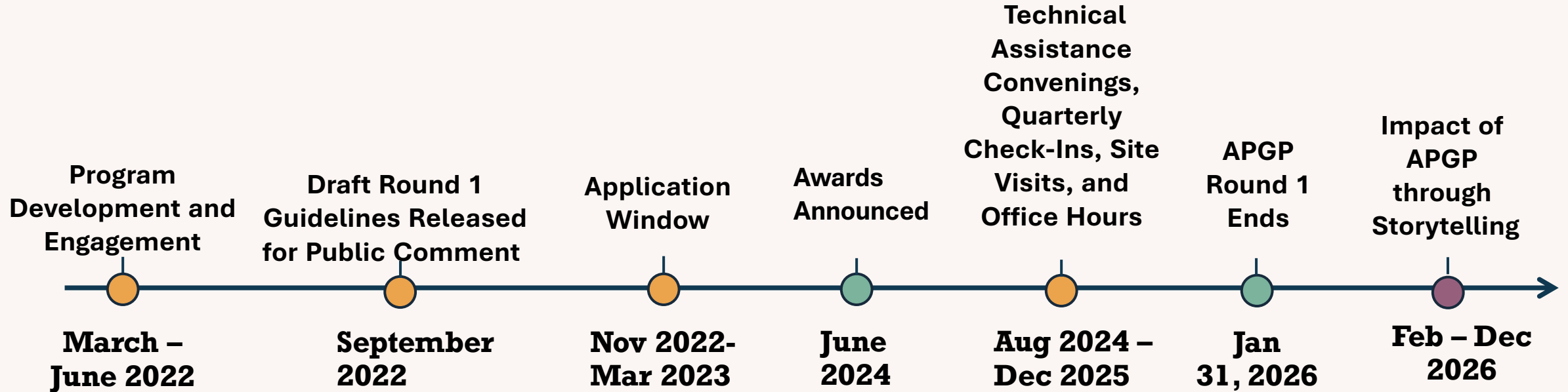
14 awardees, totaling \$8 million in funding

## APGP Round 1 is Funding:

- 141 Pre-Application Interest Surveys requesting \$63 million
- 108 Full Applications requesting \$48.2 million
- Projects led by local, regional, Tribal governments, non-profits, and academic institution, spanning the North Coast to Eastern Coachella Valley.
- 3 projects have a California Native American Tribal lead or co-applicant



# APGP Key Milestones



- Program Design & Development
- Program Milestone
- Communications & Storytelling



# APGP Technical Assistance



- 5 virtual technical assistance convenings
- 14 draft case studies reviewed



- 6 in-person site visits
- 7 Draft adaptation plans reviewed



- Developed an ICARP Grant Closeout SOP
- Hosted 20 office hour sessions
- UC Berkeley's CLEE evaluation report on AGRP and RRGPs Round 1 of funding



# Grantee Accomplishments



# APGP Impact and Key Outcomes

## Equitable Outreach and Engagement

- Grantees conducted outreach and engagement to over **18,837 community members** at over **620 events** in **8 different languages**, directly compensating more than **396 community members** for their participation.

## Building Climate Resilience

- 14 new or updated Climate Adaptation and Resilience Plans and Strategies
- 4 new or updated General Plan Elements
- Plans address key topics: Wildfire, environmental justice, air quality, extreme heat, flooding, evacuation, seismic hazards and more



# Featured APGP Round 1 Grantees



## Ramona Barona Climate Adaptation and Resilience Plan

- Lead: Ramona Municipal Water District
- Co-App: Barona Band of Mission Indians
- Climate Impacts: Drought, heat, wildfires
- Award Amount: \$596,600



## Shade Equity Master Plan for Unincorporated Eastern Coachella Valley

- Lead: Kounkuey Design Initiative
- Co-App: UCLA
- Climate Impacts: Extreme heat
- Award Amount: \$644,441



## San Rafael Climate Adaptation Planning Collaborative

- Lead: City of San Rafael
- Co-App: Canal Alliance and UC Berkeley
- Climate Impacts: Flooding, Sea-level rise
- Award Amount: \$644,200



# **Ramona-Barona Climate Adaptation and Resilience Plan**

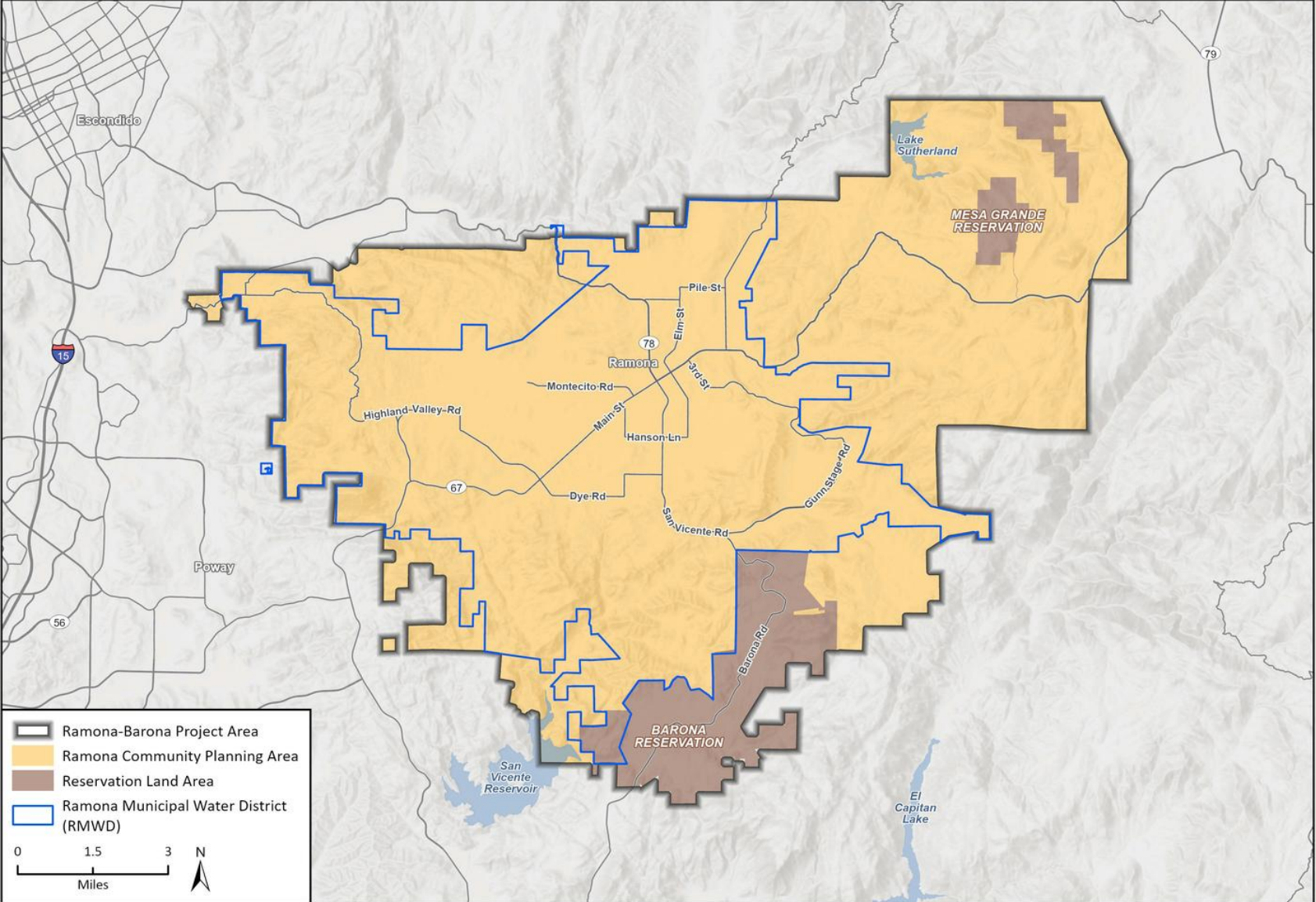
---

ICARP TAC, 3/6/2026

Erica Wolski, General Manager  
Ramona Municipal Water District  
Hannah Mize  
Rincon Consultants



# Where is the Project Located?



Base map provided by Esri and its licensors © 2025.  
Additional data provided by SanGIS and SANDAG, 2024; NHD, 2024; CPAD, 2024; RMWD, 2024.

# Project Partnerships

- Barona Band of Mission Indians
- Ramona Municipal Water District
- Sustainable Ramona
- Ramona West End Fire Safe Council
- Ramona Valley Vineyard Association
- Ramona Chamber of Commerce



# Background Analysis as the Foundation



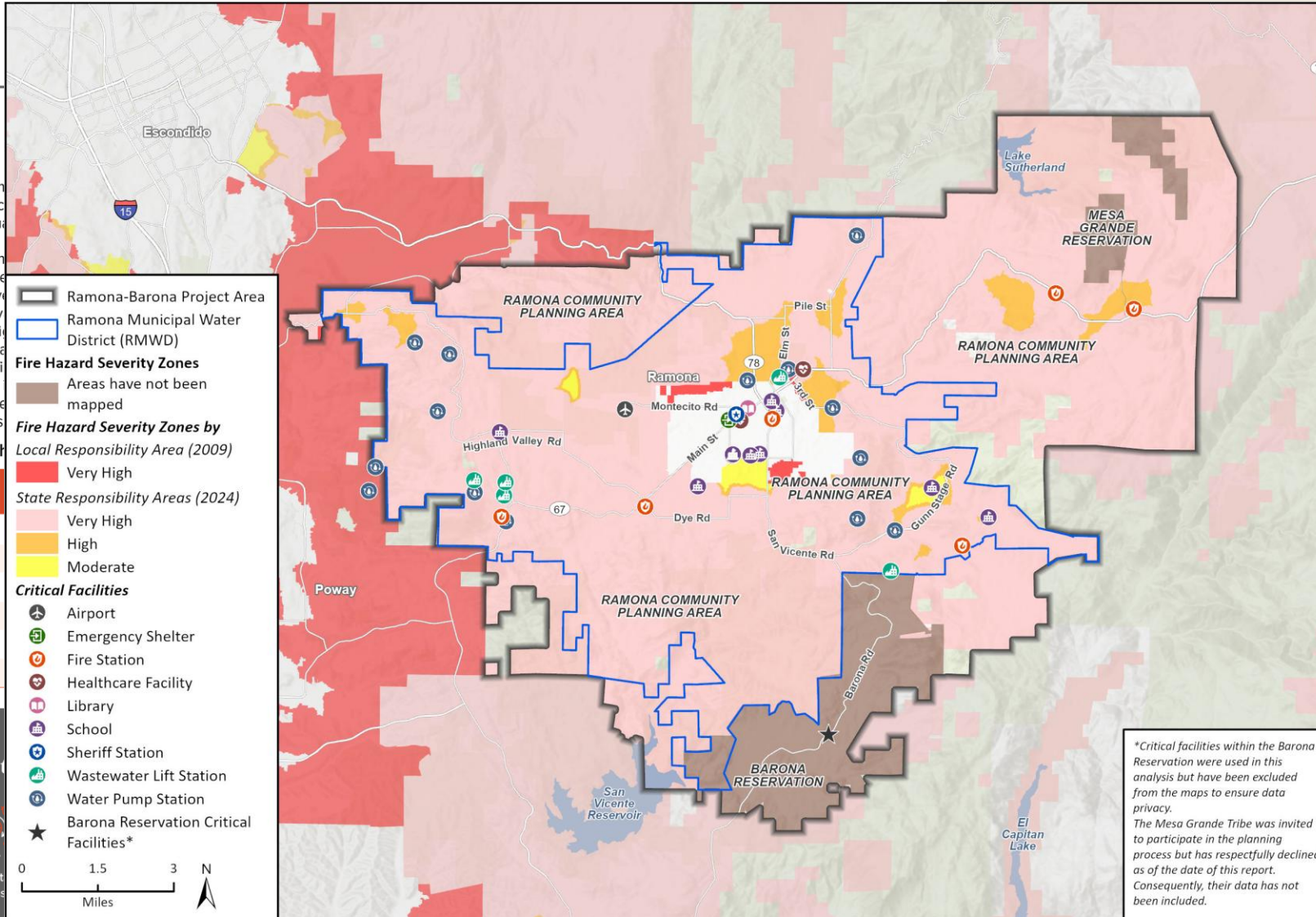
## WILDFIRE

### Past

Wildfire has historically impacted the Ramona area and the region. Figure 5 shows historic fire in the Ramona-Barona planning area. Evacuation routes out of the community were engulfed during the Cedar Fire, 15 people tragically lost their lives. Participants in Asset Manager Meeting #1 highlighted challenges during wildfire evacuations in the Ramona-Barona area, underscoring its unsuitability as an evacuation route. Highways 67 and 78 were also identified as unsuitable evacuation routes. In both the 2003 and 2007 fires, routes out of the community were engulfed. Both State Route (SR)-67 and SR-78 were hit during these events, causing significant traffic jams.

### Acres Burned by Decade Over the

Decade	Ramona-Barona Planning Areas Acres Burned
1970s	18,764
1980s	2,229
1990s	3,141
2000s	77,624
2010s	565
2020s	226



Basemap provided by Esri and its licensors © 2025.  
Additional data provided by SanGIS and SANDAG, 2024; CAL FIRE, 2024; California State GeoPortal, 2024; NHD, 2024; CPAD, 2024; RMWD, 2024; CAL FIRE, 2009/2024.

\*Critical facilities within the Barona Reservation were used in this analysis but have been excluded from the maps to ensure data privacy. The Mesa Grande Tribe was invited to participate in the planning process but has respectfully declined as of the date of this report. Consequently, their data has not been included.

### Impacts on Agriculture and

- Water Quality Declines (Wavy lines icon)
- Electricity Disruption (Lightning bolt icon)
- Property Damage (House icon)
- Habitat Loss (Tree icon)

shade trees along and streets to cool neighborhoods and improve walkability



# Community Outreach and Engagement



67% first time participants in planning process!



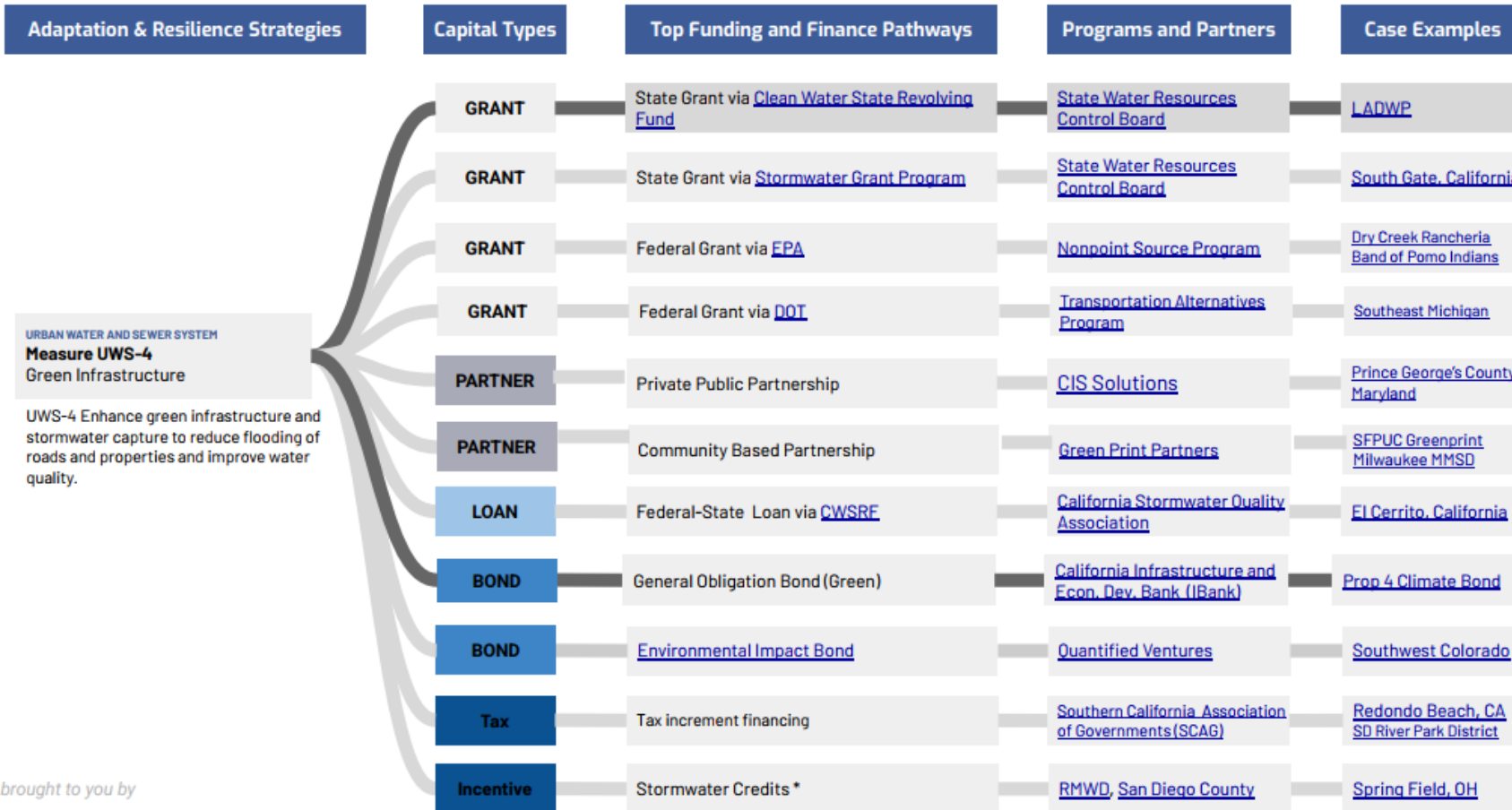
# Virtual Reality



# Funding and Financing Matrix



## Climate Adaptation & Resilience Funding & Finance Map January 2026 Pathways to Capital for The Ramona-Barona 2026 Climate Adaptation & Resilience Plan



brought to you by  
**HIP: INVESTOR**  
Human Impact + Profit

Pathways highlighted in darker gray are particularly applicable and/or accessible to the Ramona-Barona Community

\* Indicates a pathway may involve Residential & Commercial Costs

\*\* Pathway cancellation currently under dispute

# Project Outcomes

- Expansion of trust and collaboration between Ramona, RMWD, and Barona
- Deepened mutual understanding
- Created a foundation for shared resilience efforts
- Increased rural and Tribal inclusion in County efforts
- Additional grant funding!



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**Strategic Growth Council**

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## Press Release

# Vulnerable Communities to Receive \$98.6M in Grants to Build Climate Resiliency

Published: April 24, 2024

### Implementation Grantees

- ▶ \$10,000,000 award to Avalon Health Resilience and Access Center (AHARC) – St. John’s Community Health (SJCH)
- ▶ \$10,000,000 award to Hung A Lel Ti t’ába káŋa “Bear Cave”/ Resiliency Operations Center – Washoe Tribe of Nevada & California
- ▶ \$9,996,195 award to Ramona Community Resilience Campus (RCRC) – Ramona Municipal Water District (RMWD)

# Together, the Future is Bright – What’s Next for Ramona/Barona?

- Release RFPs for Resilience Center
- Continue to collaborate with new, existing, and identified partners
- Identify and apply for additional grant programs
- *Secure funding and work together to implement projects!*





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**Thank you!**

Erica Wolski, General Manager RMWD  
[ewolski@rmwd.org](mailto:ewolski@rmwd.org)



THE EASTERN COACHELLA VALLEY  
**SHADE  
EQUITY**  
MASTER PLAN



**UCLA** Luskin Center for Innovation



**the eastern  
coachella valley  
(ecv)**

# about the eastern coachella valley



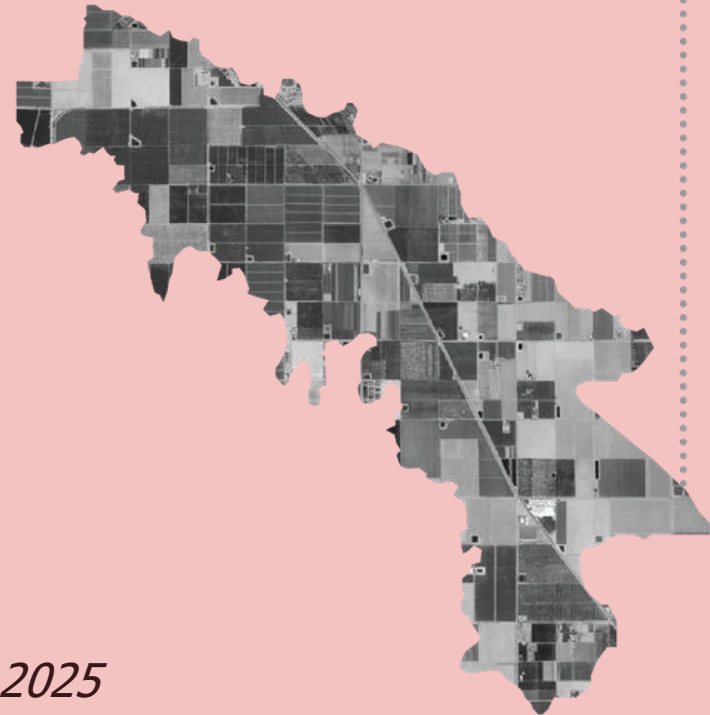
**ECV Population**      **18,879**

**Thermal**                      **2,573**  
**Oasis**

**Mecca**                        **4,551**

**Northshore**                **8,037**

**3,718**



*Source: Riverside County Office of Economic Development, 2025*

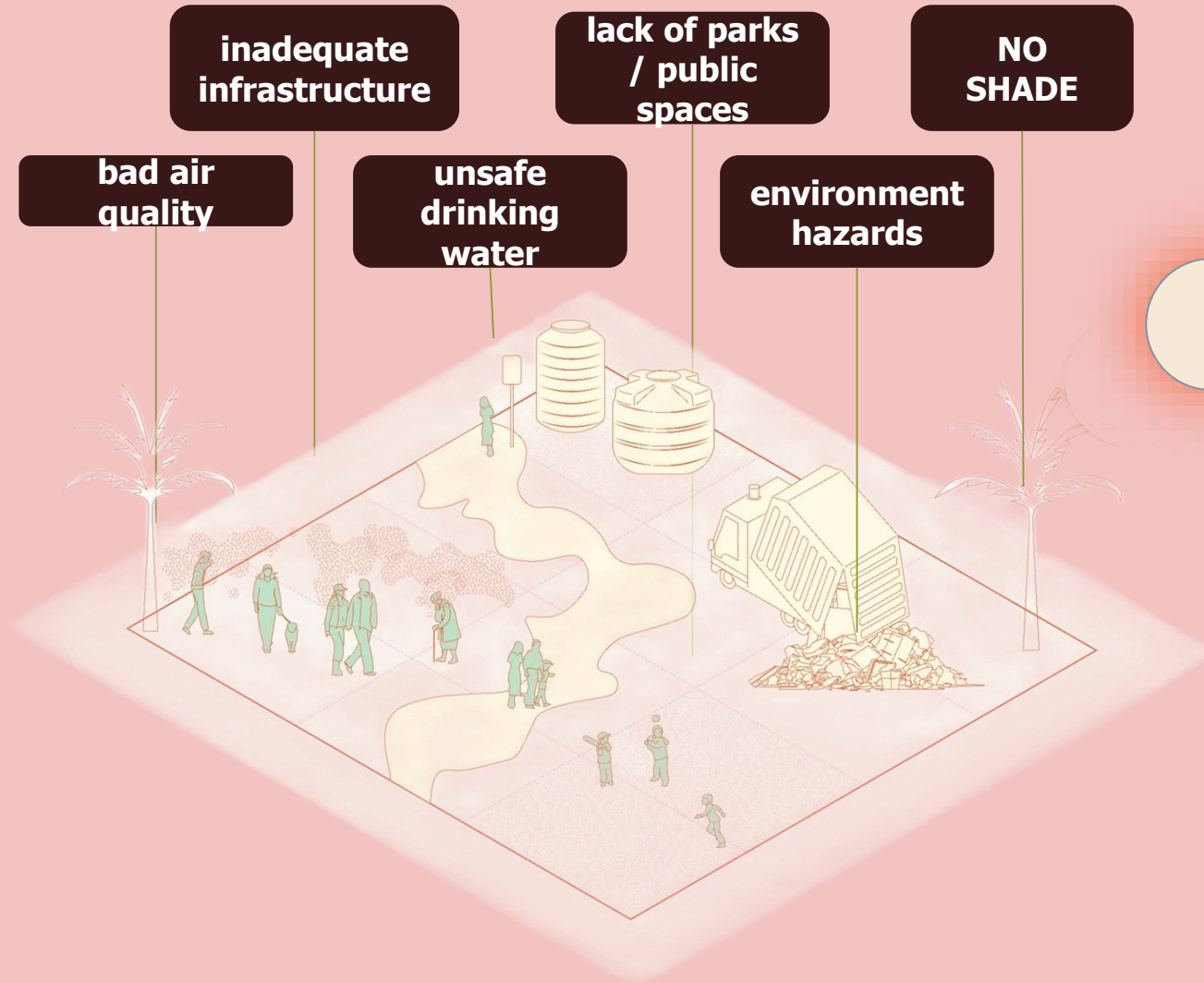
# about the eastern coachella valley2



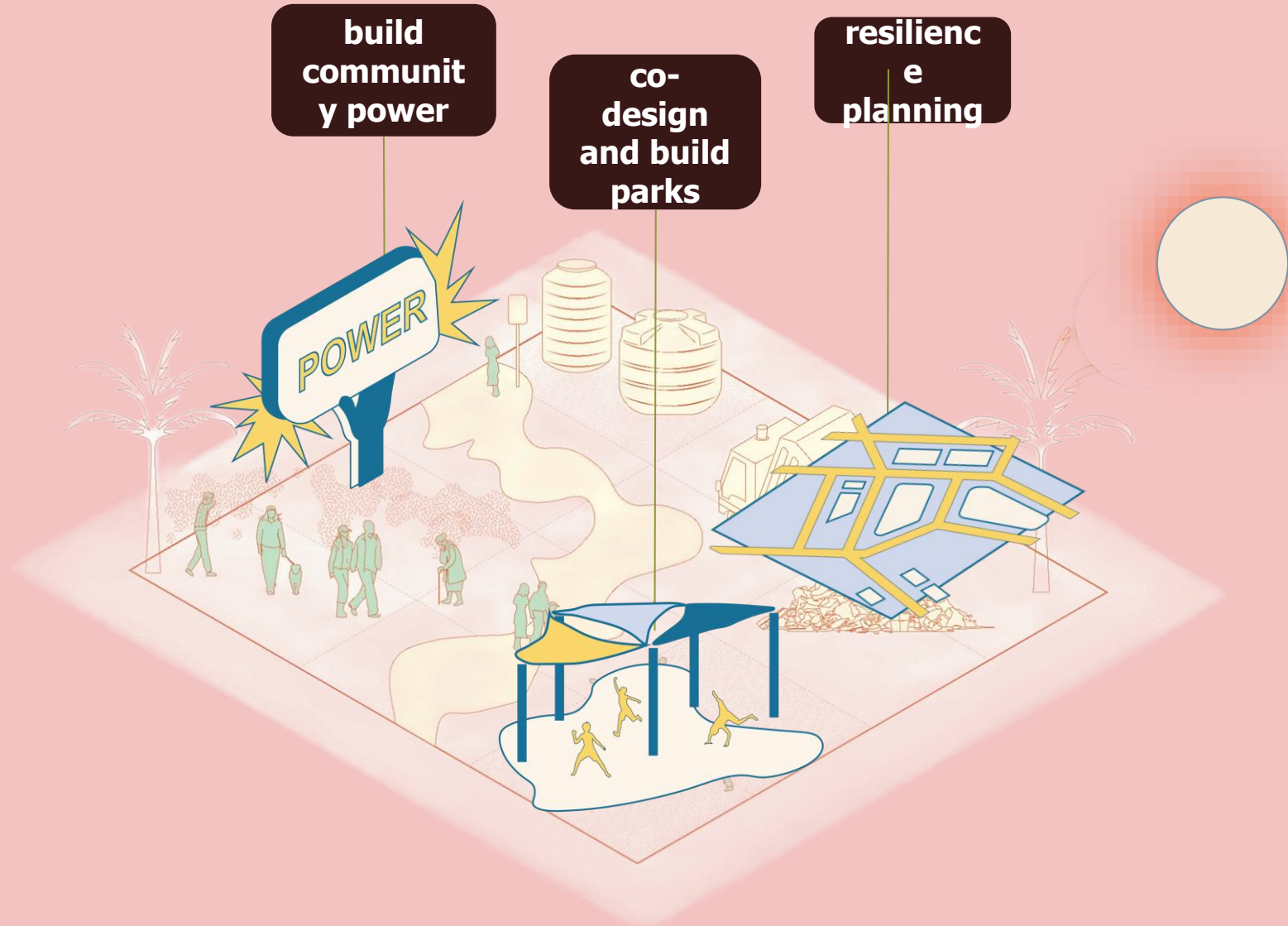
# about the **western** coachella valley



# about the eastern coachella valley(1)



# about the eastern coachella valley 3



# riverside county

156

consecutive days above 90 degrees (2022)



2013

NORTH SHORE COMMUNITY PARK



2017 - 2018

MOBILITY PLANS



2022

BUS SHELTER PROTOTYPE



2019 - 2021

ECV HEAT STUDY



2024

SHADE EQUITY MASTER PLAN



**project team**

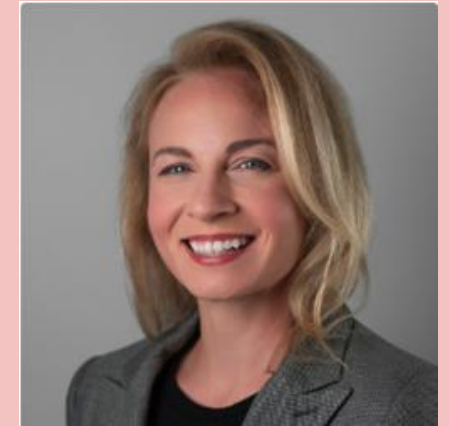
# UCLA Luskin Center for Innovation

- Advance effective and equitable solutions to pressing environmental challenges through actionable research.
- **Scope**
  - providing geospatial analysis to identify priority areas for shade
  - reviewing existing shade plans and literature on shade by exposure settings
  - setting specific land use, building code, and other regulatory considerations for shade planning

**Lana Zimmerman**



**Dr. Kelly Turner**



**Zach Wampler**



**Dr. Jean Claude Iradukunda**



# riverside university health system (RUHS)

- Implementation
- Engage other County departments



# oasis leadership committee (OLC)

2016



Oasis community members bring their kids to design their park

2018



The business of the park, AMO begins to grow and becomes the only local vendor at Coachella

2019



OLC is official and hosts first community cultural event

2020



Oasis Park grand opening

2021



OLC takes on shade at bus stops

2024



OLC expands shade work to the Shade Equity Master Plan



OLC is a partner for a UCLA class



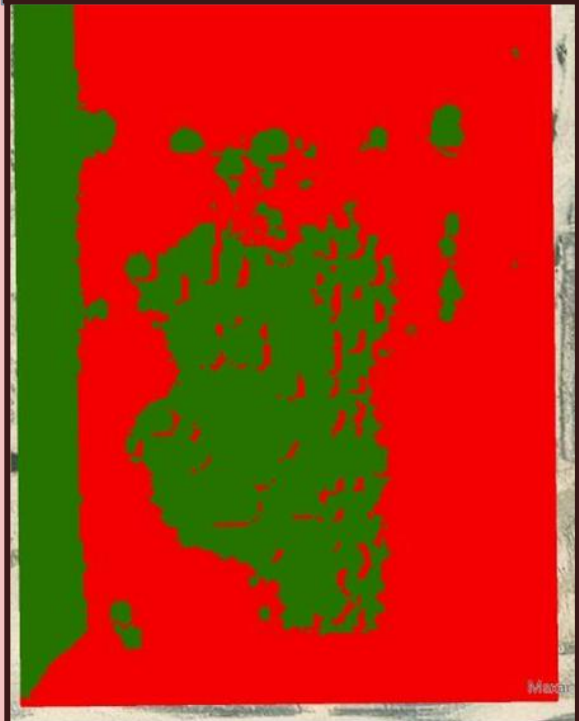
The kids that were brought to design a park in 2018 are now adults leading EJ work

# scope

## engagement



## mapping




-  Usable space
-  Non usable space

## policy

**2025 California  
Mobilehome  
Residency Law**

*with*  
other selected laws governing  
mobilehome and RV park residency  
*and*  
local community resources



*compliments of*  
**Senator Aisha Wahab**

## design guidelines



**community  
engagement**

# engagement by the numbers

**kick-off workshop**

**200+** people in attendance

**6 mobile engagements**

**101** residents engaged

**34 design workshops**

**146** residents engaged by the OLC

# mobile engagements



**oasis**



**mecc**



**north  
shore**



**oasis**

# 34 table-top design workshops



**design activity** what type of shade is preferred

**109** mentions for **TREES**

**95** mentions for **SHADE STRUCTURES**

**40** mentions for **SHADE SAILS**

**11** mentions for **VEGETATION**

**Department of  
Building and  
Safety**

**Department of  
Planning**

**Department  
Environmental  
Health**

**Desert  
Recreation  
District**

**Coachella Valley  
Unified School  
District**

**First Five and  
Family  
Commission**

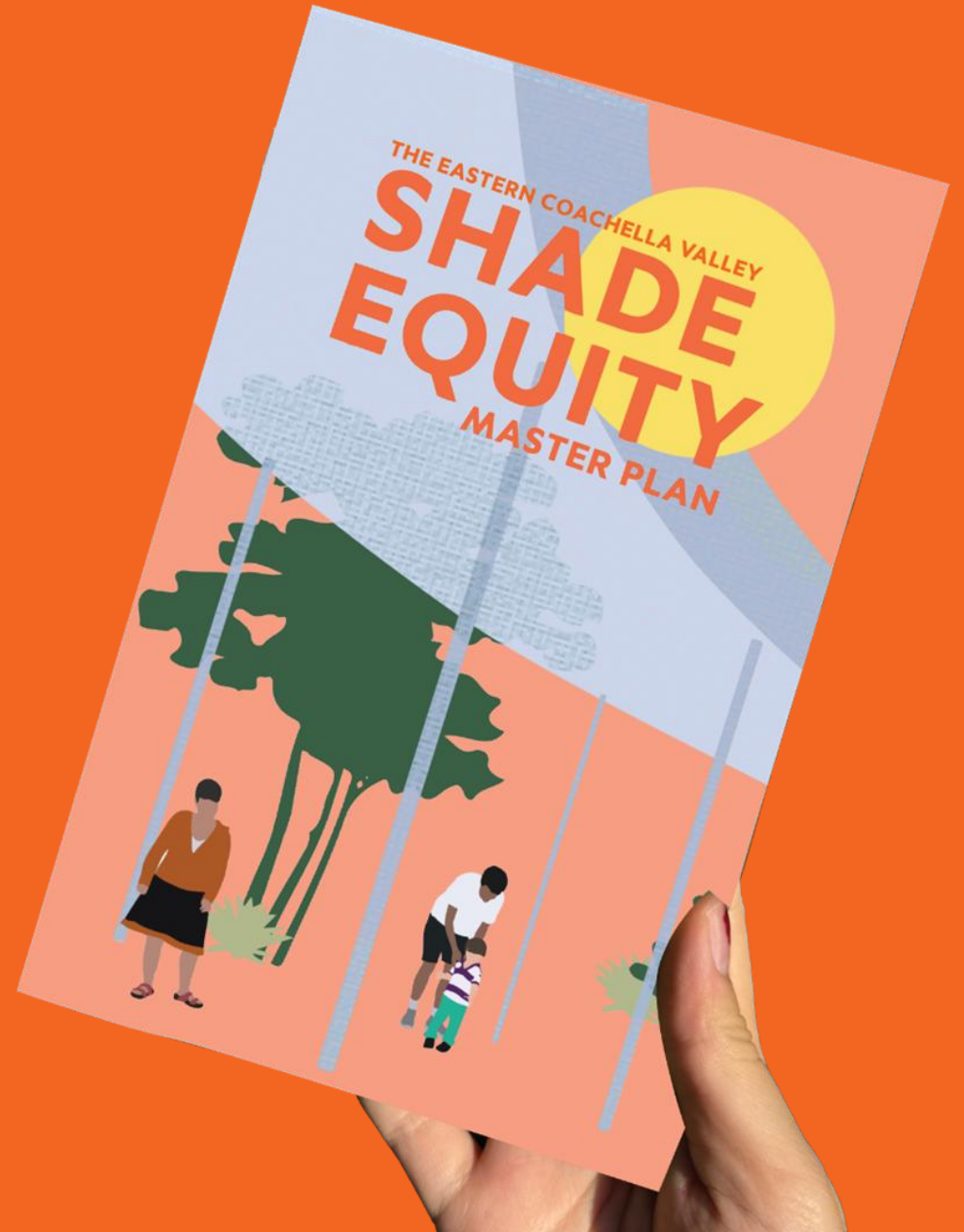
**Sun Line  
(Transit  
Agency)**

**Agricultural  
Commission**

**Division of the  
State Architect**

**Pueblo Unido  
CDC**

**methodology:  
4 questions**

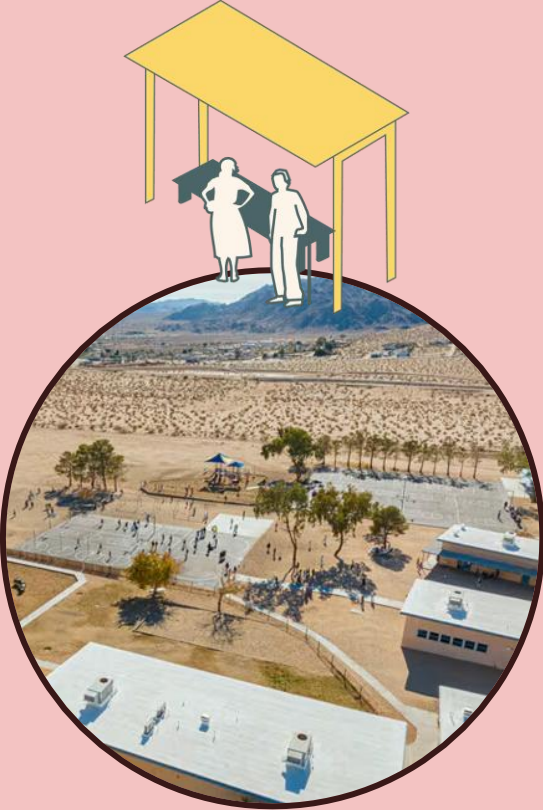


- 1. where should you prioritize shade?**
- 2. how much shade is needed?**
- 3. what are the barriers to providing shade?**
- 4. what kinds of shade should you provide, and how?**

# where should you prioritize shade?



**mobile home  
parks**



**schools**



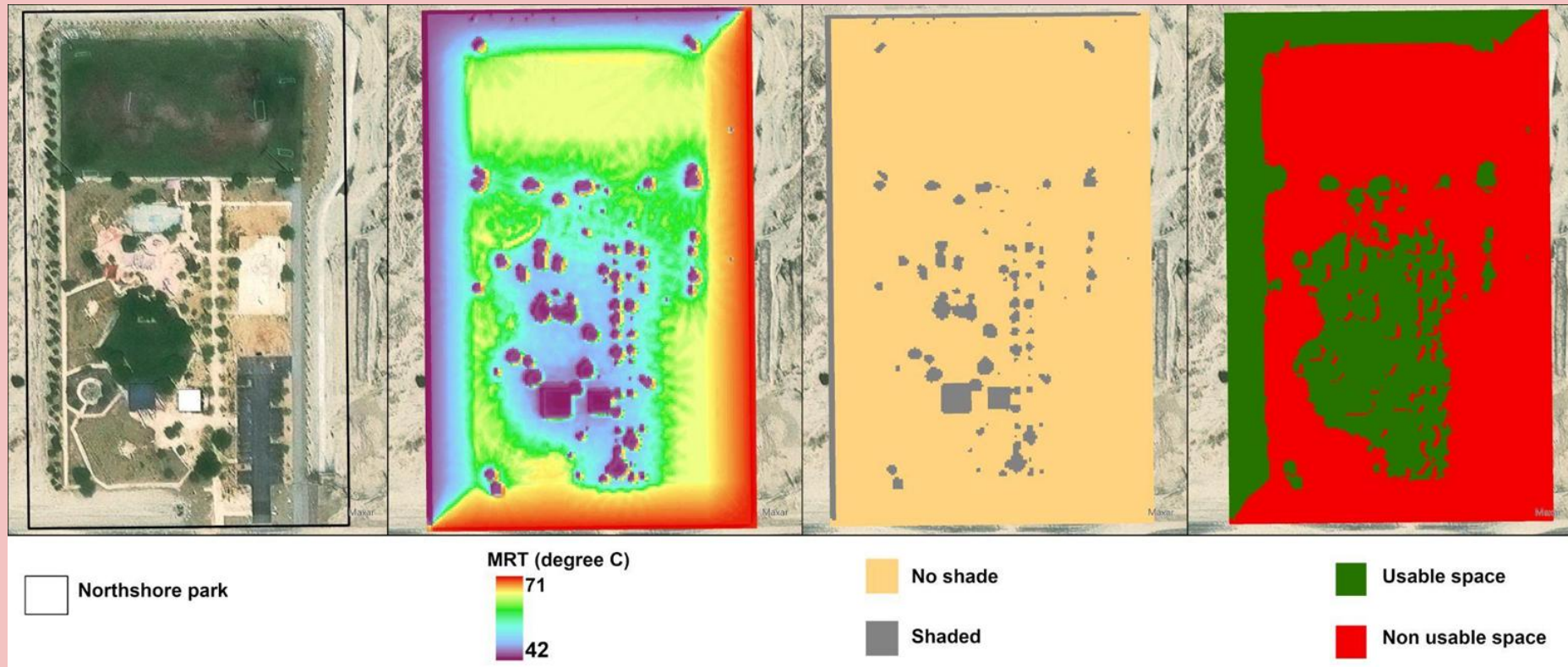
**bus stops +  
commercial  
centers**



**parks**

# how much shade is needed?

## heat mapping



Average noon Summer (Jun-Sep) Mean Radiant Temperature (MRT) and shade for Northshore Park in 2024



**Usable space**



**Non usable space**

# shade design guidelines

01  
create  
microclimates



02  
shade  
desired  
spaces



03  
right shade,  
right place



04  
phase your  
shade



05  
create  
shade  
corridors



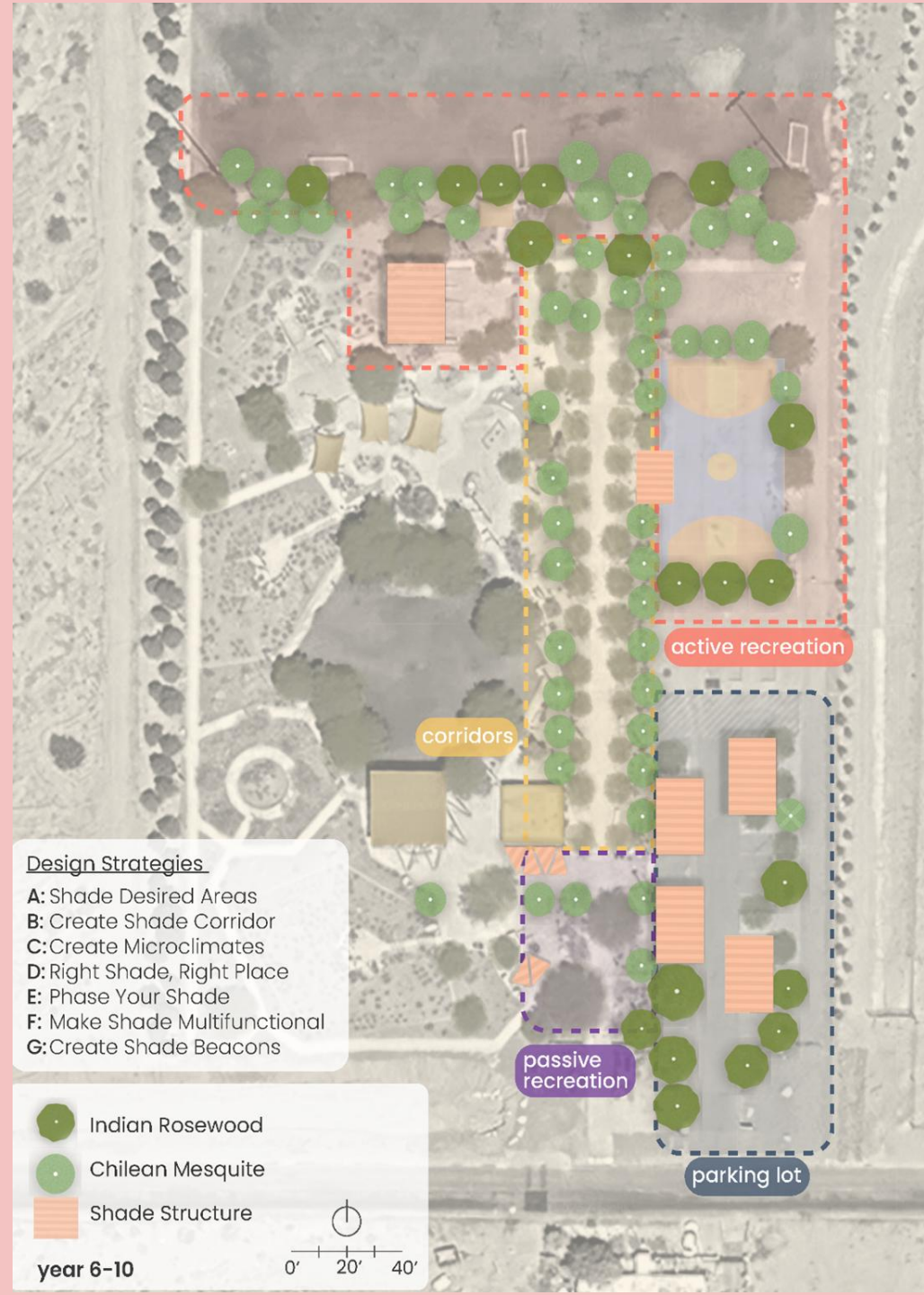
06  
create  
shade  
beacons






07  
create multi-  
functional  
shade



# north shore park



- Design Strategies
- A: Shade Desired Areas
  - B: Create Shade Corridor
  - C: Create Microclimates
  - D: Right Shade, Right Place
  - E: Phase Your Shade
  - F: Make Shade Multifunctional
  - G: Create Shade Beacons

-  Indian Rosewood
-  Chilean Mesquite
-  Shade Structure

year 6-10

0' 20' 40'



# ADAPTING SAN RAFAEL



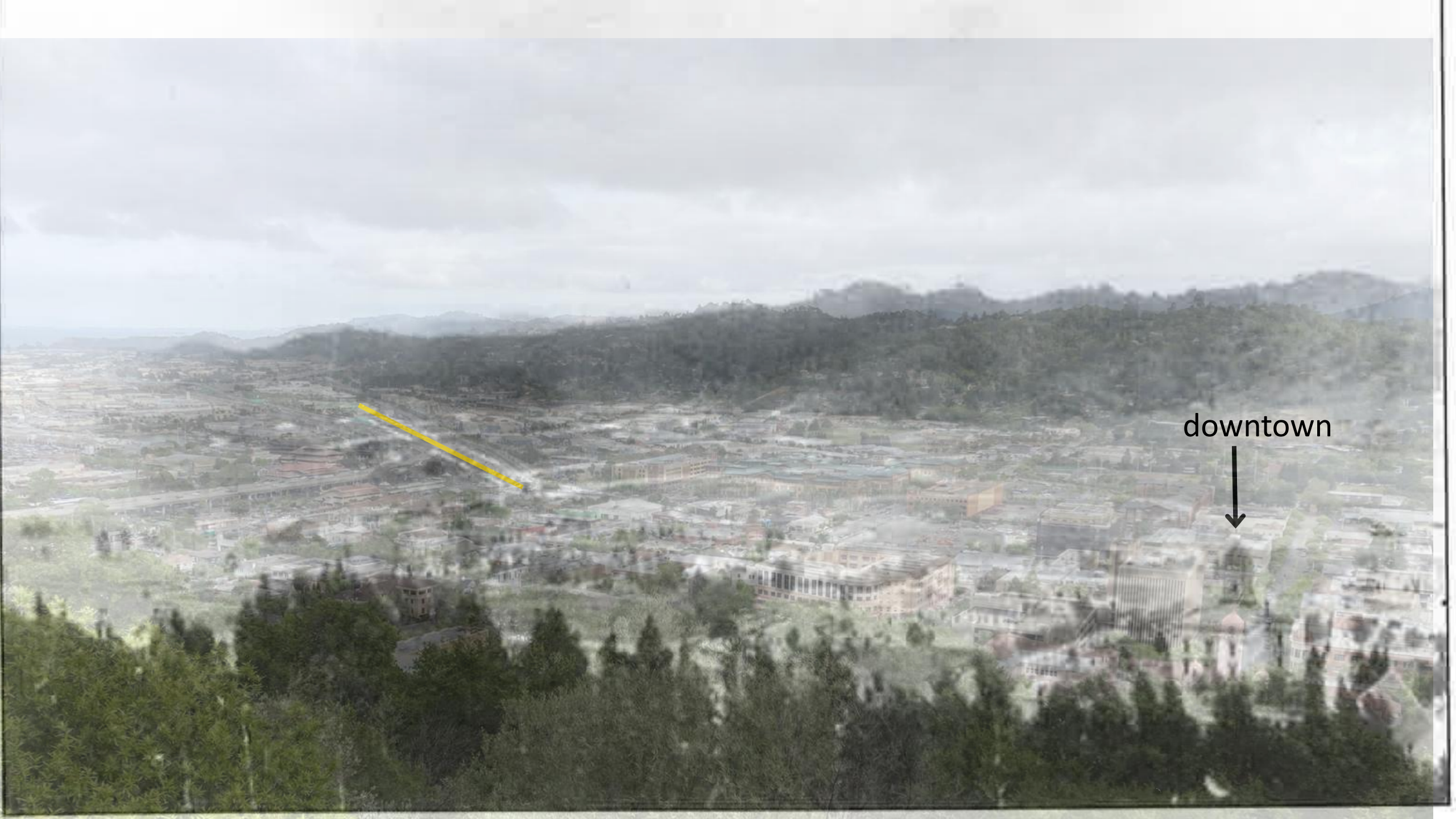


context





downtown



downtown





downtown











Sea-Level Rise ↑

Land Subsidence





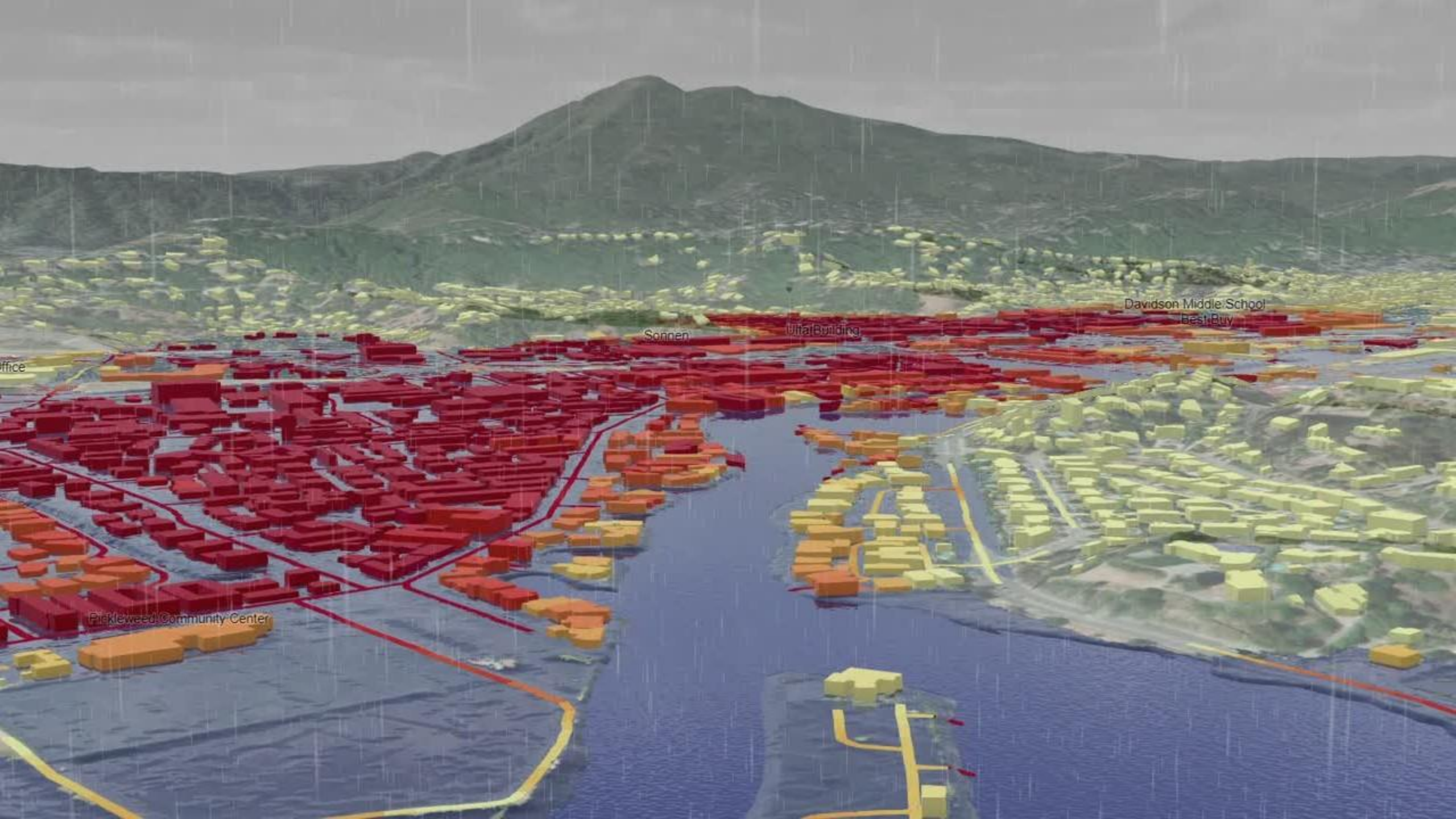












Office

Pickleweed Community Center

Sonnen

Ulta Building

Davidson Middle School  
Best Buy

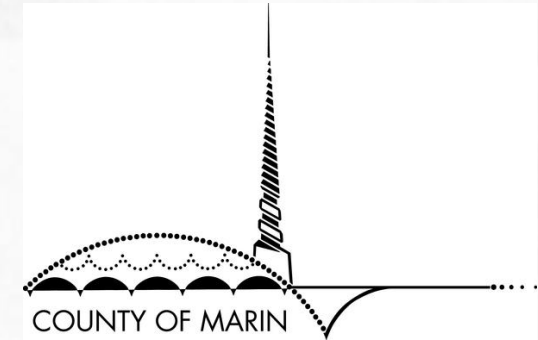




# OUR PROJECT

CANAL ALLIANCE

WESTERN BLDG

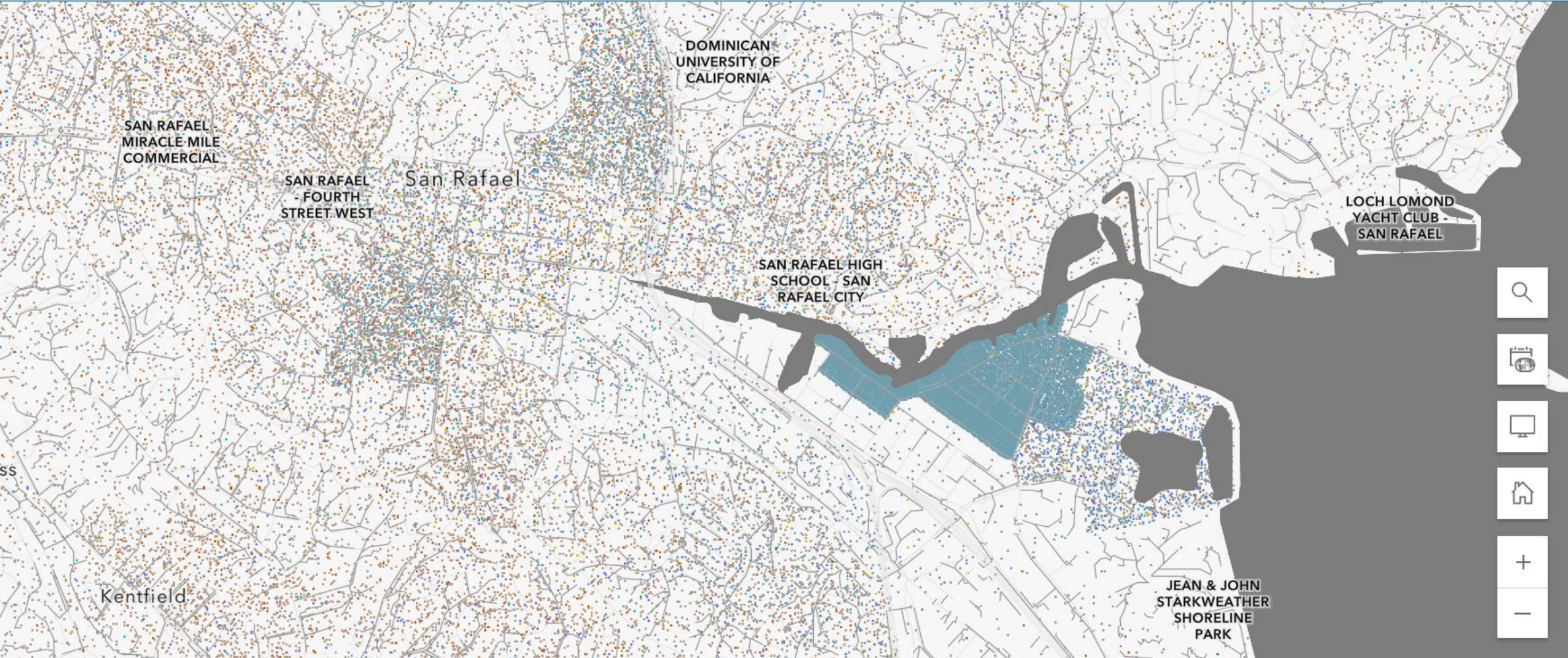


MULTICULTURAL  
CENTER OF MARIN

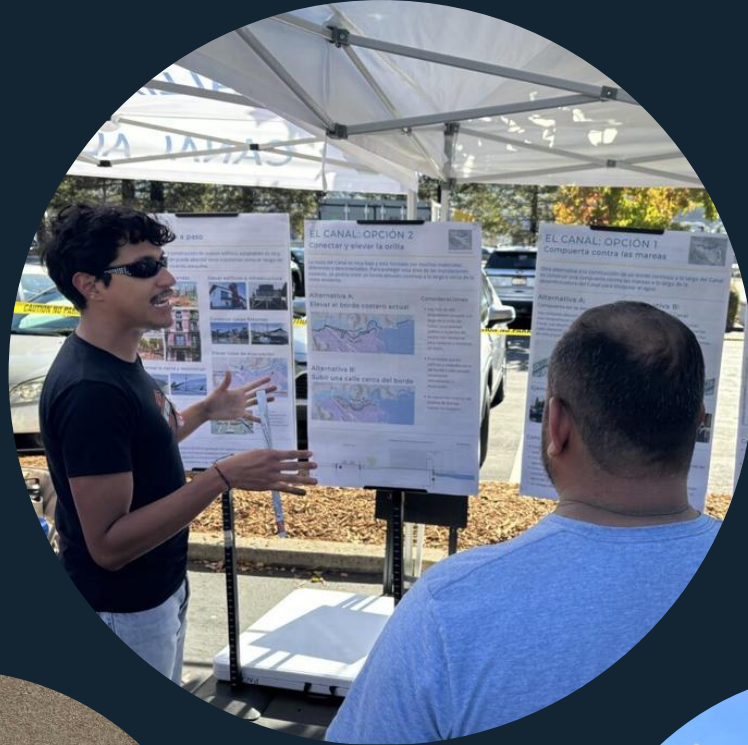
multiple funders

State Coastal Conservancy (\$700,000),  
Marin Community Foundation (\$62,000)  
Governor's Office of Policy & Research (\$644,00)

# one dot = one person



# BLOCK PARTIES



# COMMUNITY WORKSHOPS



# RADIO PROGRAMS



SLR &  
HOUSING



SEA LEVEL  
RISE  
OVERVIEW



SEA LEVEL RISE  
SCIENCE



CLIMATE JUSTICE



ADAPTING  
TO SEA  
LEVEL RISE



SEA LEVEL  
RISE &  
HEALTH

# community science events

**KING  
TIDE  
DAY**

KIDS ACTIVITIES  
COMMUNITY SERVICE  
FREE COFFEE  
FREE T-SHIRT (LIMITED SUPPLY)



REGISTRATION INFO IN THE DESCRIPTION



# partnering with teachers & youth / colaborando con profesores y jóvenes



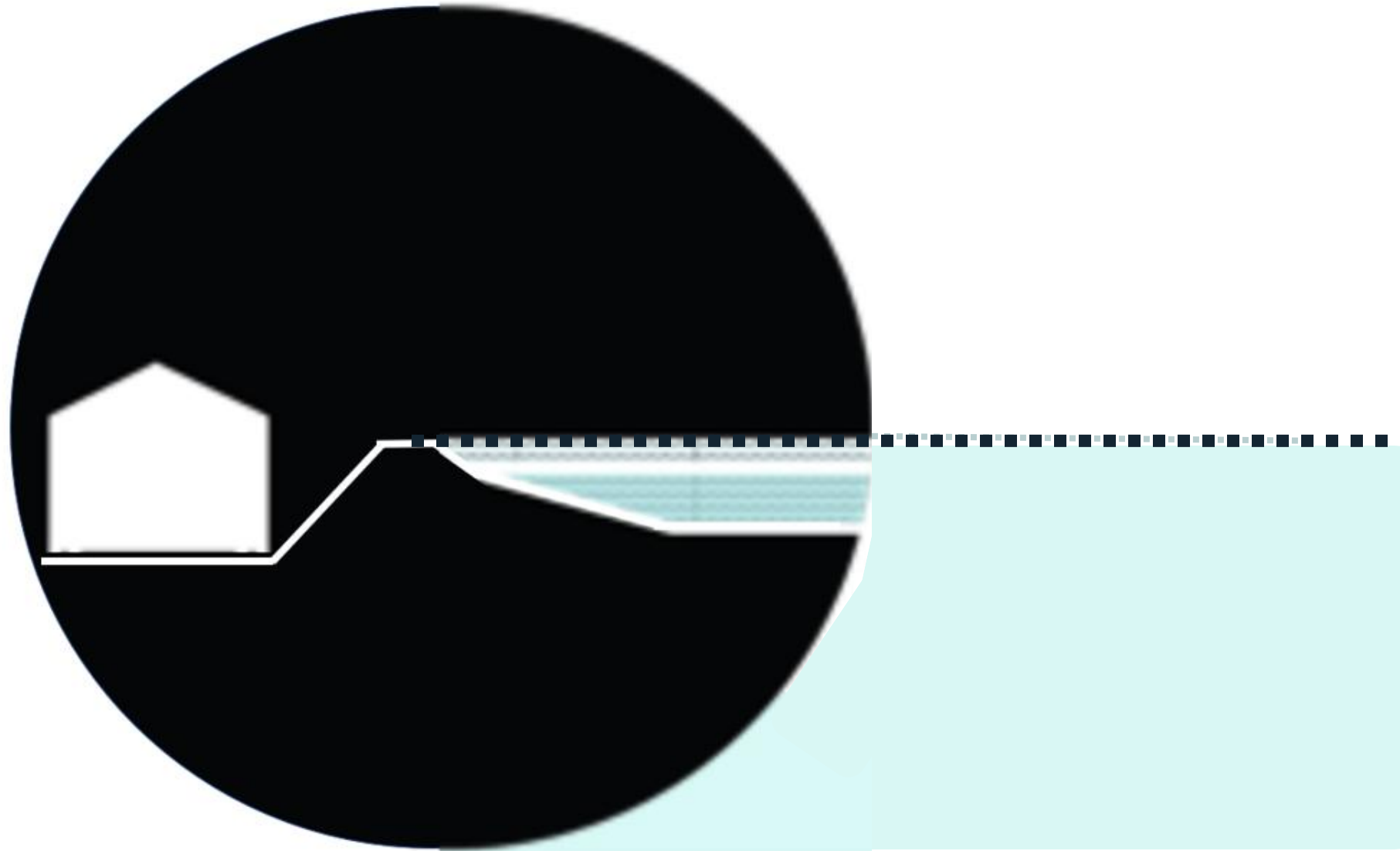
# Alcance comunitario/Community Engagement

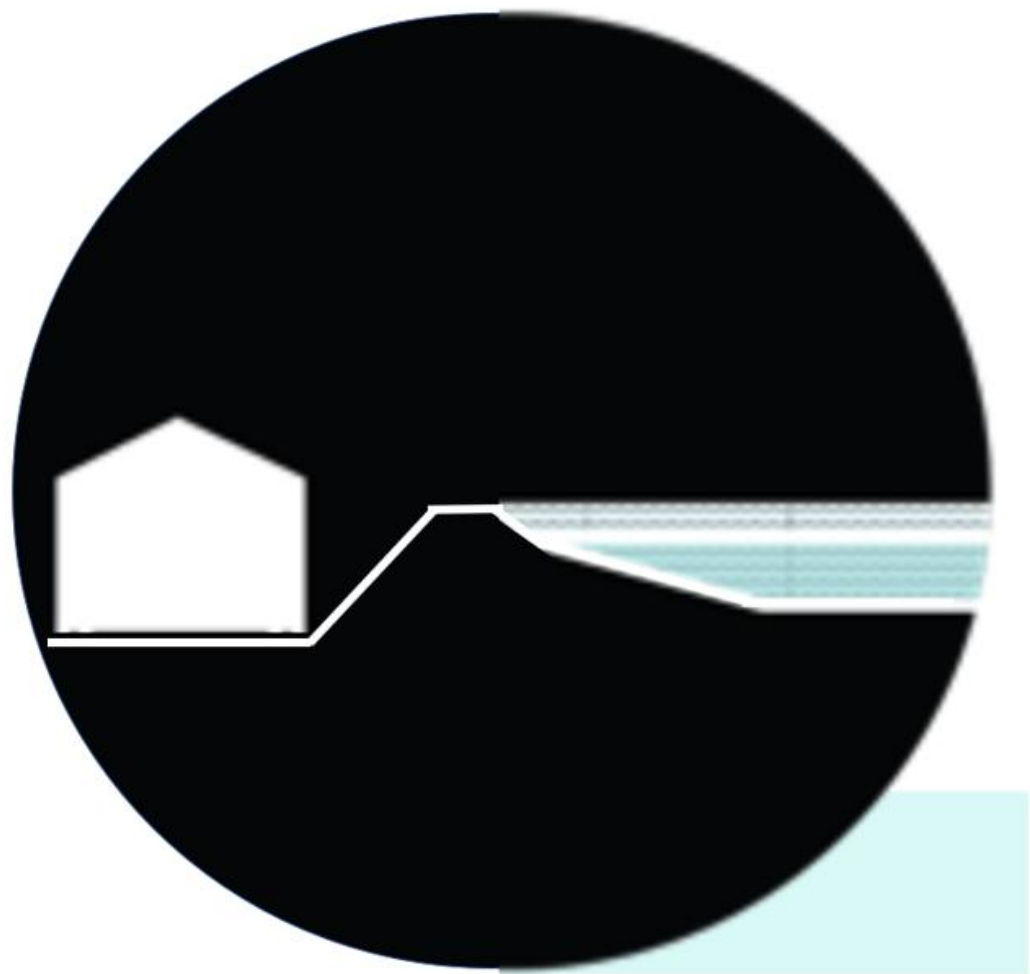


Many buildings are just above the water



.....  
land is lower than the  
water





# Scenarios & Alternatives



**“No Action” Scenario  
(baseline)**



**Initial Actions**



**Nature-Based  
Opportunities**



**Alt 1  
Raised Edges**



**Alt 2  
Canal Gate**



**Alt 3  
Incremental Elevation  
& Redevelopment**

# Thanks!

## CONTACT

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Assistant Adaptation and Resilience Planner

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Newsletter!**

# Item 10 | SB 254 Natural Catastrophe Resiliency Study Overview



CA Governor's Office of  
Land Use and  
Climate Innovation

# California Wildfire Fund

## Senate Bill (SB) 254 (2025) – Natural Catastrophe Resiliency Study

Governor's Office of Land Use and Climate Innovation  
Integrated Climate Adaptation and Resiliency Program  
Technical Advisory Committee

March 6, 2026

Tom Welsh  
Chief Executive Officer  
[twelsh@calquake.com](mailto:twelsh@calquake.com)

Dr. Laurie Johnson FAICP  
Research Study Director  
[ljohnson@calquake.com](mailto:ljohnson@calquake.com)



### Assembly Bill (AB) 1054 – 2019: Created the California Wildfire Fund

#### **Established the Wildfire Fund with ~ \$21 billion in claim paying capacity**

- **Funded with nonbypassable charges to ratepayers through 2035, and proportionate contributions by participating investor-owned utilities (IOUs)** (Pacific Gas & Electric (PG&E), San Diego Gas & Electric (SDG&E), and Southern California Edison (SCE))
- **Reimburses IOUs for “eligible claims” in excess of \$1 billion**, per participating IOU, in aggregate in a year, arising from “covered wildfires” ignited on or after July 12, 2019, determined by the responsible governmental agency or a court of competent jurisdiction to have been caused by a participating IOU.
- **January 2025 Eaton Fire expected to deplete the Fund**

### Senate Bill (SB) 254 – 2025: Key Aspects Related to the Wildfire Fund

#### **Establishes an interim framework to replenish the Wildfire Fund, if necessary**

- **Establishes a segregated Continuation Account within the Wildfire Fund** for payment of eligible claims arising from wildfires ignited on or after September 19, 2025 (date of Gov. Newsom's signing)
  - **Additional ~\$18 billion in claim-paying capacity** through nonbypassable **charges to ratepayers, from 2035 to 2045**, and proportionate contributions by participating utilities
  - Authorizes California Department of Water Resources to issue up to \$10 billion in bonds, to support the account

“A report that evaluates and sets forth recommendations on new models or approaches that mitigate damage, accelerate recovery, and responsibly and equitably allocate the burdens from natural catastrophes, including catastrophic wildfires, earthquakes, and other natural disasters, across stakeholders, including insurers, communities, homeowners, landowners, governments, electrical corporations, and local publicly owned electric utilities, to complement or replace the fund.”

**Report preparation and submission to the Legislature, and to the Governor, on or before April 1, 2026**

### **Responsible State Agencies/Departments**

California Earthquake Authority, in its capacity as the Wildfire Fund Administrator, in consultation with:

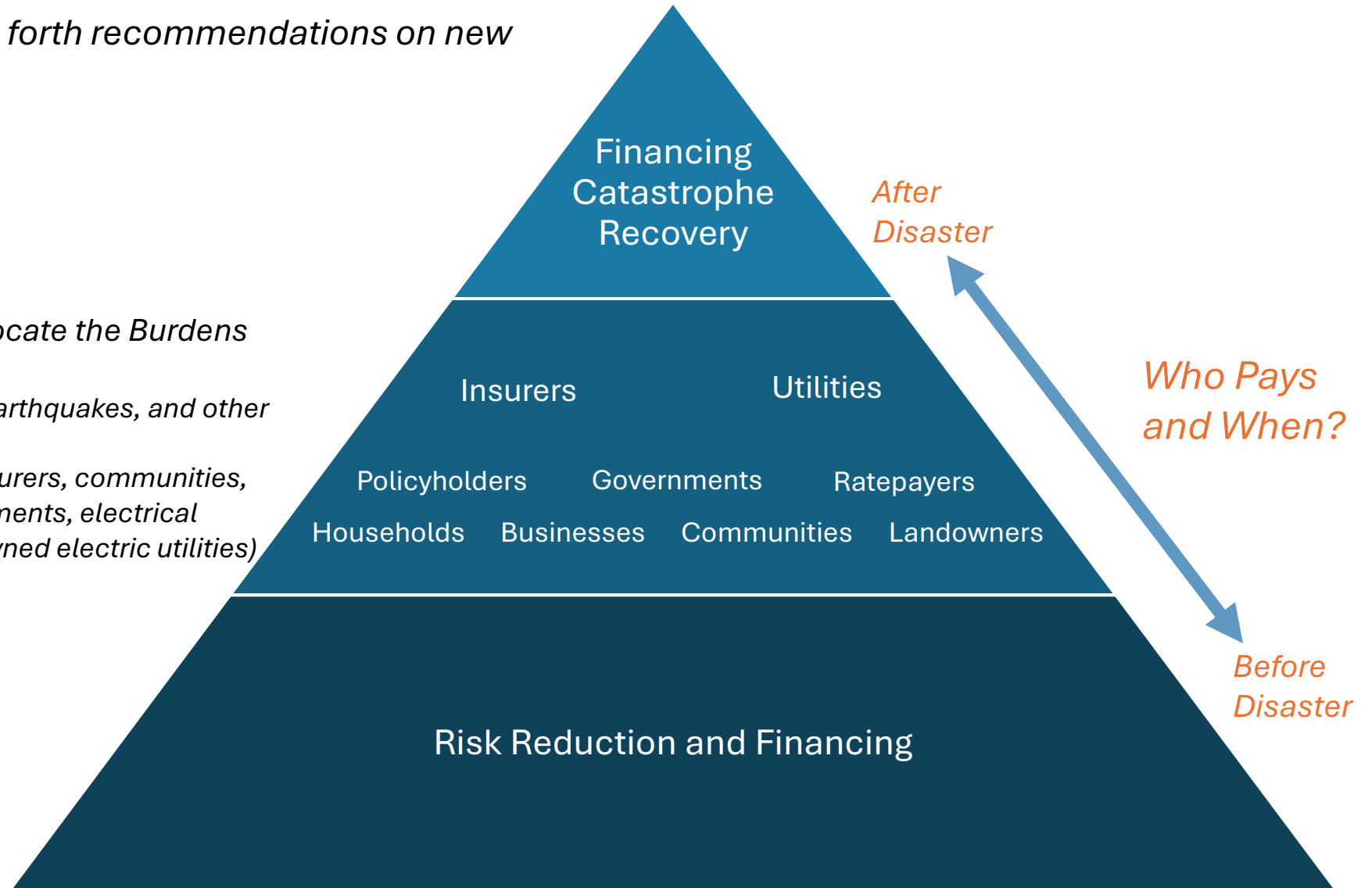
- California Public Utilities Commission (CPUC)
- California Department of Insurance (CDI)
- California Department of Forestry and Fire Protection (CALFIRE)
- Office of Energy Infrastructure Safety (Energy Safety)
- California Governor’s Office of Emergency Services (Cal OES)

**Feedback solicited from stakeholders including, but not limited to:**

- Ratepayer advocates,
- Insurance policyholder advocates,
- Electrical corporations,
- Insurance companies, and
- Claimant attorneys

“A report that evaluates and sets forth recommendations on new models or approaches that ...

- Accelerate Recovery
  
- Responsibly and Equitably Allocate the Burdens from Natural Catastrophes  
*(Including catastrophic wildfires, earthquakes, and other natural disasters)  
 (across stakeholders, including insurers, communities, homeowners, landowners, governments, electrical corporations, and local publicly owned electric utilities)*
  
- Mitigate Damage



... to complement or replace the Wildfire Fund.”

**“Report shall include specific recommendations (including, but not limited to) on all of the following:...”**

- 1. Accessibility and affordability of property insurance** in light of the accelerating costs of climate change-induced and other natural catastrophes.
- 2. Evaluation of alternative structure to social risk of damage from catastrophes**, that most efficiently and expeditiously compensates those harmed, while maintaining accessibility to property insurance and access to safe, affordable, reliable energy.
- 3. Additional mitigation measures and technology solutions** to reduce ignition risk, spread, and damage from wildfires.
- 4. Financing, insurance and other mechanisms to expedite recovery** for communities impacted by natural catastrophes and expedite compensation for property loss.
- 5. Additional measures to benefit ratepayers** through reducing costs caused by fiscal uncertainty while holding electrical corporations accountable for improving safety and reducing the risk of catastrophic wildfires.
- 6. Options for enactment of streamlined, low-cost mechanism** to provide injured parties full compensation **for wildfire damages.**
- 7. Analysis of potential benefits and negative impacts related to reasonable limitations on changes to recoveries in wildfire litigation** arising from ignitions caused by electrical and gas utility infrastructure, including restrictions on recovery of attorney’s fees, and limitations on economic/noneconomic damages, including claims by insurers, public entity claims, claims outside fire perimeter, and aggregate limitation on liability per event.
- 8. Options for enactment of programs to reduce risk of wildfire spread/catastrophe**, including improved state and local catastrophic event response capability, home fire risk reduction standards, vegetation management practices and community wide wildfire hardening requirements.
- 9. Options for reducing economic damage from wildfires and potentially other catastrophic disasters**, including minimum insurance requirements, insurance rates that account for home hardening, special assessment to support infrastructure investments and emergency response, and land use planning.
- 10. Options for new models to complement or replace the Wildfire Fund**, such as state supported property re/insurance for wildfires and potential catastrophic natural disasters, a mutual wildfire insurance fund, a publicly supported financial safety net to enhance long-term resilience and utility and insurance rate affordability; and improvements to the Fund durability.

# SB 254 requires deep engagement across stakeholders, including insurers, communities, homeowners, landowners, governments, electrical corporations, and local publicly owned electric utilities

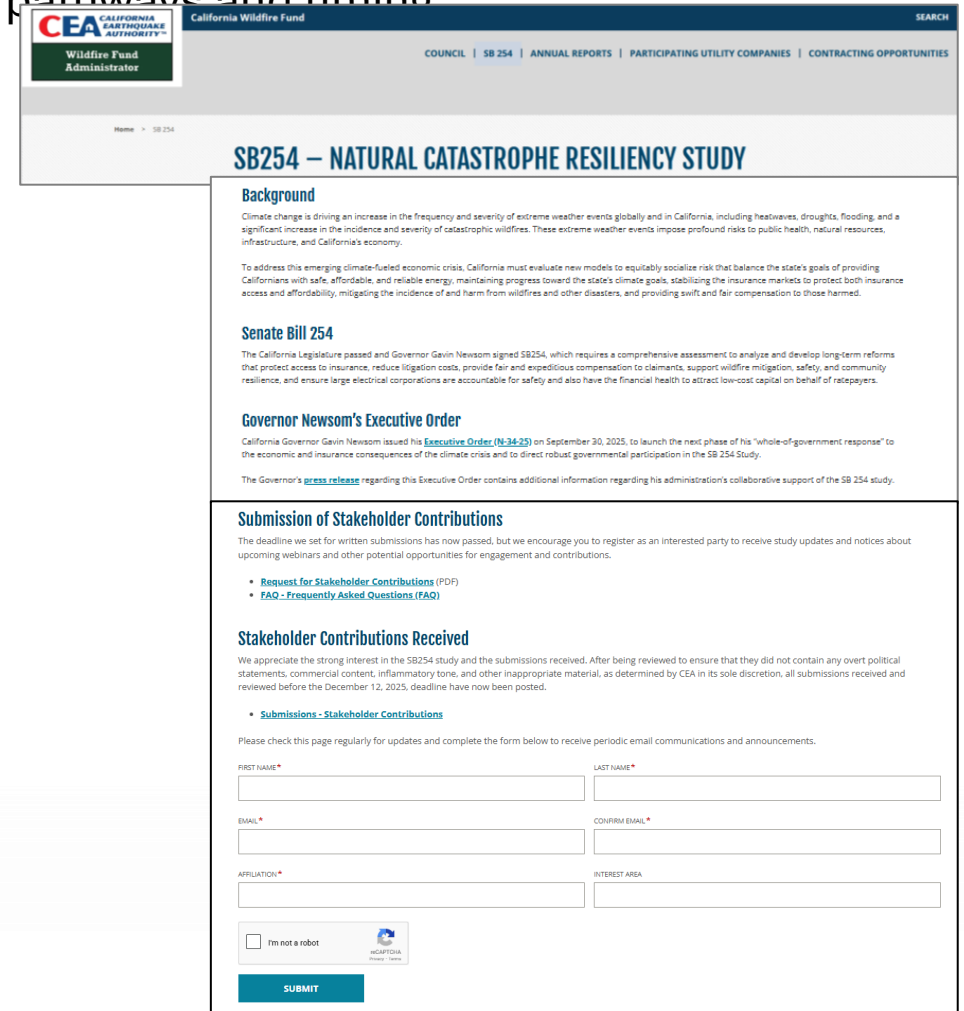
CEA implemented multiple engagement approaches with varied pathways and timing

**Open Call for Study Contributions**, soliciting recommendations from a broad spectrum of stakeholders:

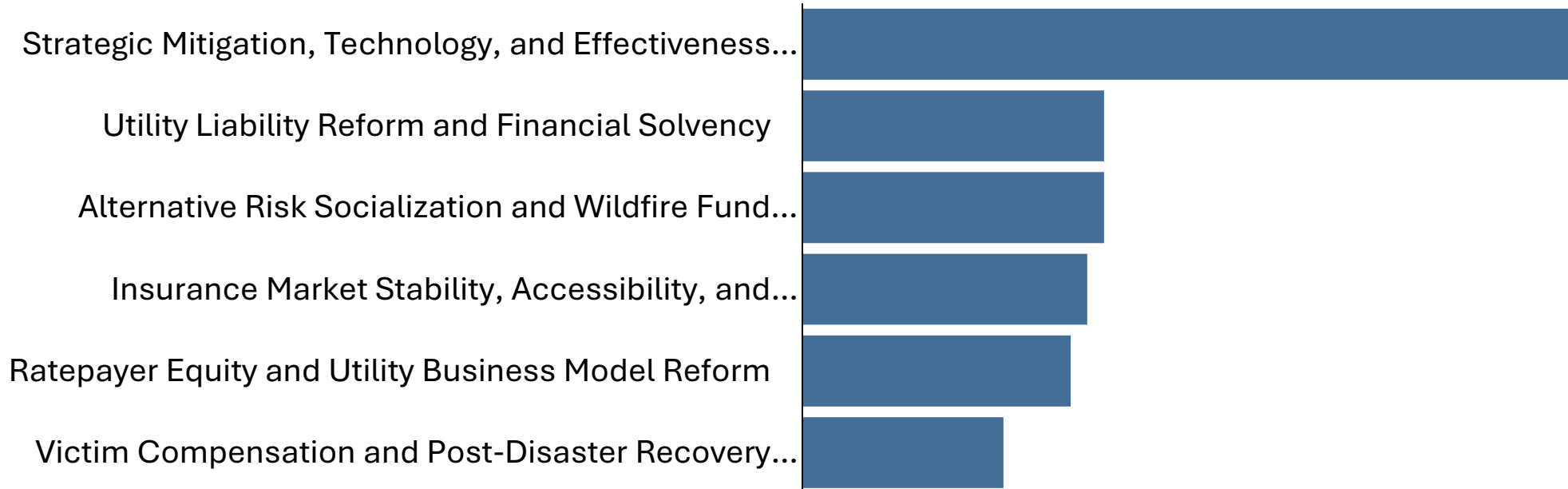
- Dec 12, 2025 – Call for submissions closed.
- **83 total** from ~ 69 unique individuals/organizations.

**Interested Parties – 327** (online form, submissions and other people/organizations) as of 3/2/26

- Periodic emails and study updates provided
- Informational webinars – Dec 10, 2025; Feb 6, 2026; Mar 6, 2026



## Submissions Analysis: Key Themes

**Frequency of Key Themes Discussion in Submissions**

**Mitigation was the most widely referenced topic.**  
**Utility Liability Reform and Financial Solvency was most controversial.**

## Submissions Analysis: Areas of Consensus and Key Conflicts to Resolve

## Areas of Consensus

- ✓ **Accelerate Mitigation:** California "cannot rate hike its way out of the climate crisis"; the only sustainable path is to reduce the physical risk of loss through aggressive mitigation.
- ✓ **Improve Data & Modeling:** Need a standardized way to track "risk bought down" per dollar invested and align what insurers see with what utilities and homeowners actually do.
- ✓ **Address Affordability & Equity:** Wildfire costs disproportionately burden low-income and vulnerable households through rising insurance premiums and electricity rates.

## Key Areas of Disagreement

- ≠ **Inverse Condemnation:** Reformers view it as an unsustainable ratepayer burden; defenders argue it is vital to support victim recovery and incentivize utility safety.
- ≠ **Limitations on Damages and Attorneys' Fees:** Tension between limiting costs and supporting the Fund's claims-paying capacity, vs. ensuring victim access to representation and full compensation.
- ≠ **Role of Government and Cost Socialization:** Competing views on increased state role in e.g., reinsurance, greater cost socialization; vs. private market mechanisms and utility/ratepayer funding.

## Key Themes Emerging From the Study – Risk Reduction and Financing

- **“Mitigations that Matter”** We need public & private alignment on a minimum core set of evidence-based mitigations to remove confusion and enable implementation at scale. Mitigation science and performance will evolve, but we know enough to start implementing them effectively within the specific context of the local community.
- **A foundation of tools, data sets, and analytical research infrastructure are needed to accelerate confidence in WUI community mitigation efficacy, investment, and maintenance.** Linking this to the significant risk analytic investments by the IOU’s will establish our understanding of baseline risk and start the data pool for reducing risk through integrated mitigation.
- **To enable sustained community risk reduction at scale, we need integrated program investment in mitigation, education, capacity, and workforce development,** and must transition from isolated sporadic project surges.
- **Governance for statewide risk reduction should consolidate funding, research, and policy outcomes while supporting maximum flexibility for implementation that is based on the local community risk context.**

We have an explicit legislatively mandated deadline of April 1, 2026, but we are committed to robust engagement and input into the study.

There are a lot of options to be analyzed and modeled to determine their technical and economic feasibility. We aim to provide the Legislature and the Governor with options that are:

- Actionable
- Viable
- Durable

- **Visit our website to review submissions or sign up to receive updates**  
<https://www.cawildfirefund.com/sb-254-natural-catastrophe-resilience-study>
- **Questions**  
Email: [SB254Questions@calquake.com](mailto:SB254Questions@calquake.com)

# Item 10 | Discussion



CA Governor's Office of  
**Land Use and  
Climate Innovation**

# Item 11 | State Extreme Heat Action Plan



CA Governor's Office of  
Land Use and  
Climate Innovation

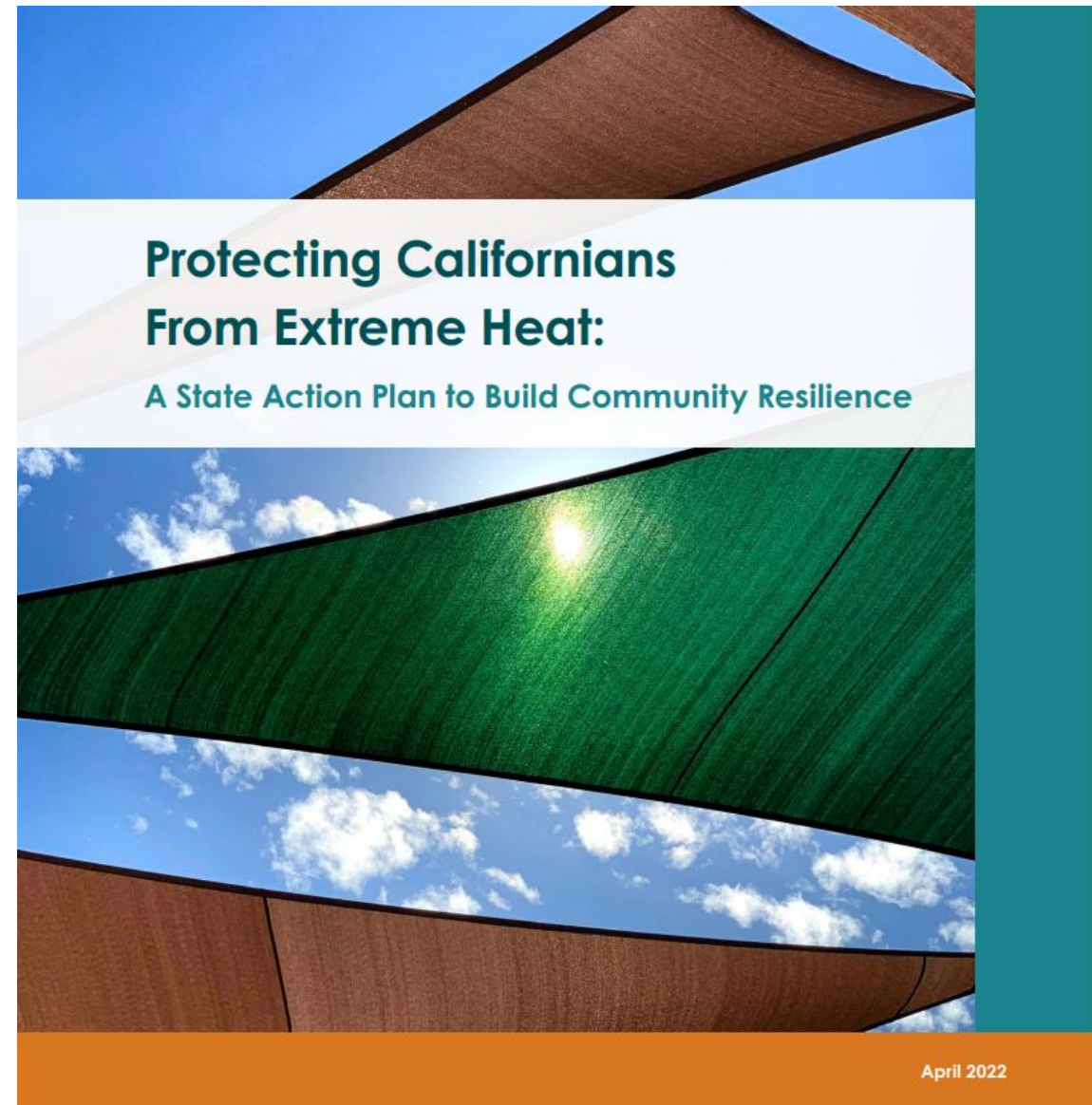
# Update to California's Extreme Heat Action Plan

March 6, 2026

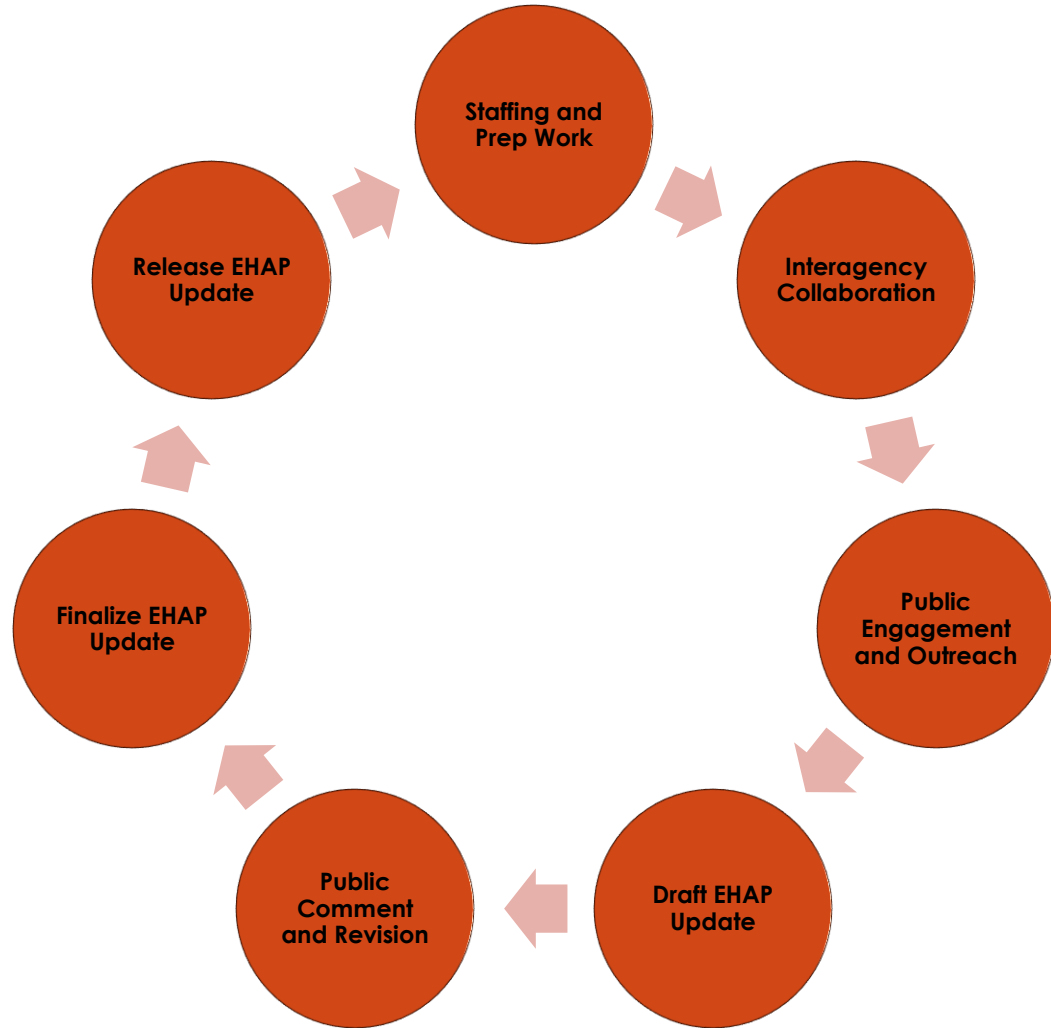


# Background

- 2013 Preparing California for Extreme Heat Guidance and Recommendations
- 2021 California Climate Adaptation Strategy
- 2022 Extreme Heat Action Plan



# EHAP Update Process



As specified in SB 306, the Extreme Heat Action Plan is to be updated every three years, and the next iteration of the Plan will be published on **July 1<sup>st</sup>, 2026**.

- CA Natural Resources Agency
- Governor's Office of Land Use and Climate Innovation
- CA Environmental Protection Agency
- CA Department of Food and Agriculture
- CA Health and Human Services Agency
- CA State Transportation Agency
- Governor's Office of Business and Economic Development
- Governor's Office of Emergency Services
- CA Business, Consumer Services and Housing Agency
- CA Labor and Workforce Development Agency
- CA Department of Corrections and Rehabilitation
- CA State Board of Education
- CA Government Operations Agency
- CA Public Utilities Commission
- California Volunteers
- And more...

# All-of-Government Approach

# EHAP Update Timeline



We are here

Public Comment Period Now Open



## Help Us Update California's Extreme Heat Action Plan

Your input is invaluable in the development of California's Extreme Heat Action Plan and ensures that the update reflects California's key extreme heat priorities and challenges!

Submit your feedback by **April 8.**



## EHAP Public Comment

Options to submit written input include:

- Microsoft form
- Mail: *Governor's Office of Land Use and Climate Innovation – 1400 10th St., Sacramento, CA 95814*
- Email: [icarp@lci.ca.gov](mailto:icarp@lci.ca.gov)

# EHAP Engagement

## Virtual Engagement:

- Monday, March 9: 10am – 11:30am
- Monday, March 9: 5:30pm – 7:00pm
- Tuesday, March 10: 1pm – 2:30pm

## In-Person Workshops:

- Monday, March 16: Redding
- Friday, March 27: Riverside
- Wednesday, April 1: Fresno

## Tribal Roundtable



# Questions

1. How can we best engage the public on the 2026 Extreme Heat Action Plan during the public comment period and after its release in Summer 2026?
2. How can the 2026 Extreme Heat Action Plan better support extreme heat engagement and coordination among state agencies?
3. How can we make the 2026 Extreme Heat Action Plan more accessible and relevant to local practitioners and community members?
4. How do we effectively integrate additional items into the plan, such as case studies, reflections on progress, and next steps?

# Thank you!

## CNRA

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# Item 12 | Goals and Priorities for 2026



CA Governor's Office of  
Land Use and  
Climate Innovation

# Priorities

- Cultivate trust and empower communities
- Showcase impact through storytelling
- Expand localized data, research, and tools
- Implement innovative adaptation and resilience action



The City of San Fernando (APGP grantee) bringing together community members to inform the City's Climate Action and Resilience Plan.



# 2026 Visioning

- What do you hope the TAC will achieve in 2026?
- Who and what should be uplifted through TAC meetings and products?
- Where do you envision the TAC being in five years?



# 2026 Visioning 1

- What do you hope the TAC will achieve in 2026?
- Who and what should be uplifted through TAC meetings and products?
- Where do you envision the TAC being in five years?

**Meeting will resume in 10 minutes**



# Item 12 | Discussion



CA Governor's Office of  
**Land Use and  
Climate Innovation**

# Item 12 | Public Comment



# **ACTION2**

**Establish a subcommittee to help guide a report summarizing TAC discussions on adaptation funding and finance in 2026.**



# **Item 14 | Closing and Meeting Adjourned**



# Thank You for Joining!

## CONTACT

[icarp@opr.ca.gov](mailto:icarp@opr.ca.gov)

## FUTURE MEETING DATES

**May 29th in Sacramento, CA**

Newsletter and more:  
[lci.ca.gov/climate/icarp](https://lci.ca.gov/climate/icarp)

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Governor's Office of Land  
Use and Climate  
Innovation (LCI)



CA Governor's Office of  
Land Use and  
Climate Innovation