

# Technical Advisory Council Quarter 3 Meeting

Integrated Climate Adaptation and Resiliency Program

August 7, 2026, 9:30 am



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

# Item 1 | Roll Call & Housekeeping



CA Governor's Office of  
Land Use and  
Climate Innovation

# 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



# Agenda

1. Roll Call & Housekeeping
2. Approval of Draft Meeting Minutes
3. TAC Member Report Out
4. ICARP Programmatic Updates and Subcommittee Report
5. TAC Vice-Chair
6. Climate Resilience Districts
7. Block Grants and Regional Coordination
8. Adaptation Planning Guide
9. General Public Comment
10. Closing & Adjourn





# Item 2 | Approval of Draft Meeting Minutes



CA Governor's Office of  
Land Use and  
Climate Innovation

# **ACTION**

**Approve the meeting minutes from the ICARP Technical Advisory Council 2nd Quarter Meeting on May 29, 2026.**



# Item 3 | TAC Member Report Out



CA Governor's Office of  
Land Use and  
Climate Innovation

# Welcome ICARP Babies



# Welcome New TAC Members!



**Bennae Calac**  
Onoo Po Strategies



# Thank you David!



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



CA Governor's Office of  
Land Use and  
Climate Innovation



# Updates: Fifth Assessment



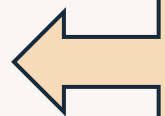
## Webinar Series

Starting next month, the Fifth Assessment team will launch a webinar series to highlight key findings from the Regional and Topical Reports.

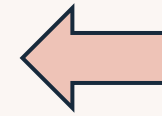


## Resilient California Summit

The Summit, taking place at the SAFE Credit Union Convention Center in Sacramento October 20-22, 2026, will include presentations from Fifth Assessment authors and collaborators.



Register  
here!

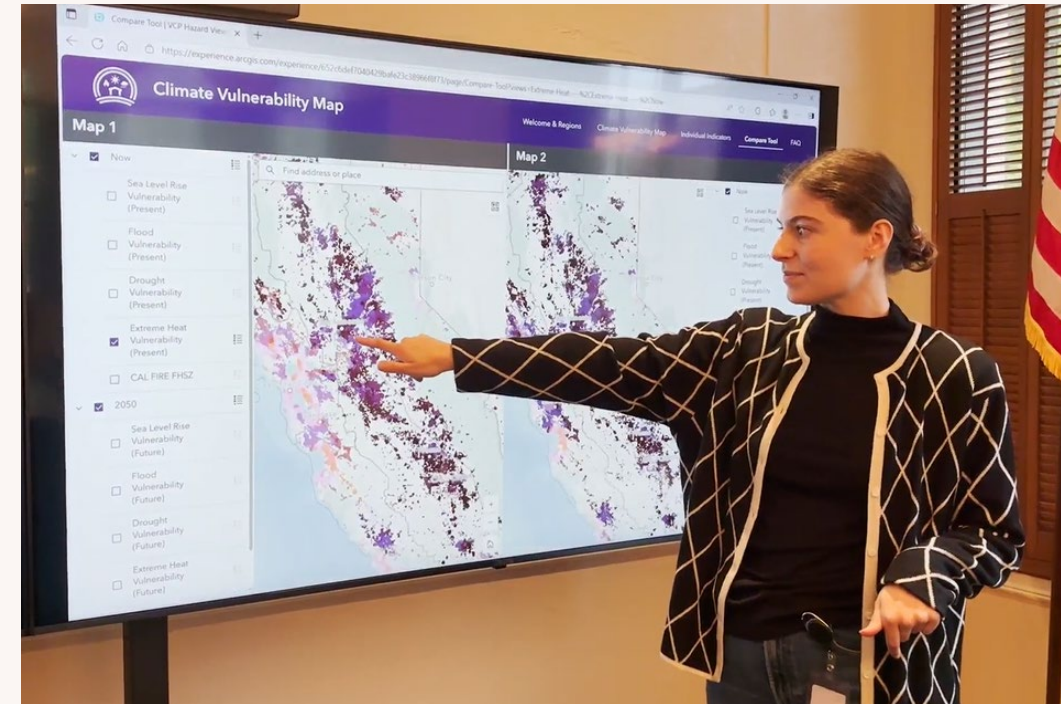


Register  
here!



# Updates: Climate Services

- Vulnerable Communities Platform (VCP) used in guidelines for Round 2 of Extreme Heat and Resilience Grant Program.
- Released Beta Version of Climate Data Viewer to increase access to climate projections data for low-capacity users.
- Accepting applications for the Climate Ready Cohort through Aug. 19.



Presentation of the Vulnerable Communities Platform.



# Updates: Extreme Heat and Community Resilience



- LCI is working closely with CNRA and the GO to release the 2026 Extreme Heat Action Plan.
- Final Guidelines and Notice of Funding Availability for Round 2 of the Extreme Heat and Community Resilience Grant Program were released on June 16. The program is currently accepting Pre-Application Forms.
- Round 1 grantees are now 13 months into their 30-month grant terms.





# Updates: Regional Resilience Grant Program

- Regional Resilience Grant Program staff will support grantees as projects approach closeout.
- On July 20, RRGP grantee Yolo County hosted their 2nd public workshop of the Yolo County Regional Resilience Collaborative to build a shared vision for climate resilience that is grounded in equity and informed by local priorities.



# Subcommittee Report



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

# Mandate

- Guide development of a report, prepared by ICARP staff, summarizing TAC discussions on adaptation funding and finance in 2026.



# Members

- John Wentworth (Subcommittee Chair)
- Melissa Boudrye for Robyn Fennig (Vice-chair)
- Kim Clark
- Abby Edwards
- Michelle Passero
- Jonathan Parfrey
- Jasneet Sharma



# Updates

- Since Q2 TAC meeting, Subcommittee has met twice.
- In June, the Santa Clara Resilience Fund presented.
- Collaborated with 5th Assessment Economy and Adaptation Finance Reports to submit a session proposal for Resilient California Summit.
- Reviewed preliminary draft of the report.



# Report Goals

- Summarize TAC discussions over the course of 2026 for a broader audience.
- Capture lessons learned from ICARP. Provide thought leadership on key challenges and opportunities to advance adaptation funding and financing.
- Chart a shared roadmap for state legislature and agencies, regional, and local government.





# Subcommittee Workplan

| Dates        | Deliverables                                    | Meeting Agenda                                                                                                                                                              |
|--------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| April 17     | Subcommittee Overview and Workplan              | <ul style="list-style-type: none"> <li>• Subcommittee overview</li> <li>• Define report target audience</li> <li>• General reflections on report/initial outline</li> </ul> |
| May 15       | Draft Outline                                   | <ul style="list-style-type: none"> <li>• Review draft outline</li> </ul>                                                                                                    |
| June 12      |                                                 | <ul style="list-style-type: none"> <li>• Presentation of Santa Clara Resilience Fund</li> </ul>                                                                             |
| July 10      | Preliminary Draft                               | <ul style="list-style-type: none"> <li>• Review preliminary draft</li> </ul>                                                                                                |
| August 21    |                                                 | <ul style="list-style-type: none"> <li>• Presentation from Kestrel and CalPERS</li> </ul>                                                                                   |
| September 11 | First Order Draft                               | <ul style="list-style-type: none"> <li>• Review first order draft</li> </ul>                                                                                                |
| October 9    | Draft for TAC review<br>Presentation for Q4 TAC | <ul style="list-style-type: none"> <li>• Prepare for Q4 TAC meeting</li> <li>• Dissemination plan</li> </ul>                                                                |
| November 13  | Final draft                                     | <ul style="list-style-type: none"> <li>• Review final draft</li> </ul>                                                                                                      |



# Discussion Questions

- Do you have recommendations on how to structure the report?
- What are the key issues or messages you would like to elevate in the report?
  - Reflecting on the presentations at Q1 and Q2, what are the key funding challenges and opportunities?
  - Are there specific sources we should include?



# Item 4 | Discussion



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

# Item 5 | TAC Vice-Chair



CA Governor's Office of  
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# Item 5 | Discussion



CA Governor's Office of  
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Climate Innovation**

# Item 5 | Public Comment



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

# ACTION

**Approve the appointment for TAC Vice-Chair.**





# Item 6 | Climate Resilience Districts



CA Governor's Office of  
Land Use and  
Climate Innovation

# Resilience District Incubator

ICARP Technical Advisory Council · August 2026





RESILIENT  
CITIES  
CATALYST

CA FWD

CALIFORNIA FORWARD



# Today

## Reactive recovery.

- Scrambling for funds to support new needs caused by climate risk
- Piecemeal, disconnected projects
- Short-term thinking driven by budget cycles and outside, unpredictable funding
- Limited coordination between agencies
- Maintenance and operations unfunded



# With a District

## Proactive resilience planning & building.

- Dedicated funding stream to address concerns before crisis hits
- Full project lifecycle support and ongoing functionality
- Allows for a comprehensive integrated portfolio approach, including multi-decade planning (30-50 years)

# The District Opportunity:

## A Powerful Tool

By establishing a Resilience District, communities gain the ability to establish a coordination and governance structure for resilience, and **develop a specific, recurring funding system** through:

- Benefits Assessments,
- Fixed Tax Agreements,
- Tax Increment Financing (TIF),
- Bonds & Loans,
- And more.

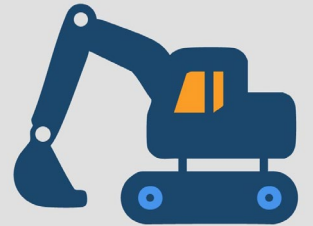
That enables:



Ongoing planning and community involvement



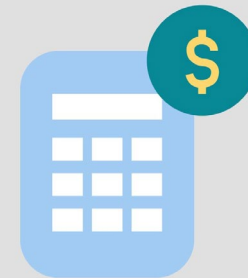
Design of programs and projects



Construction of projects



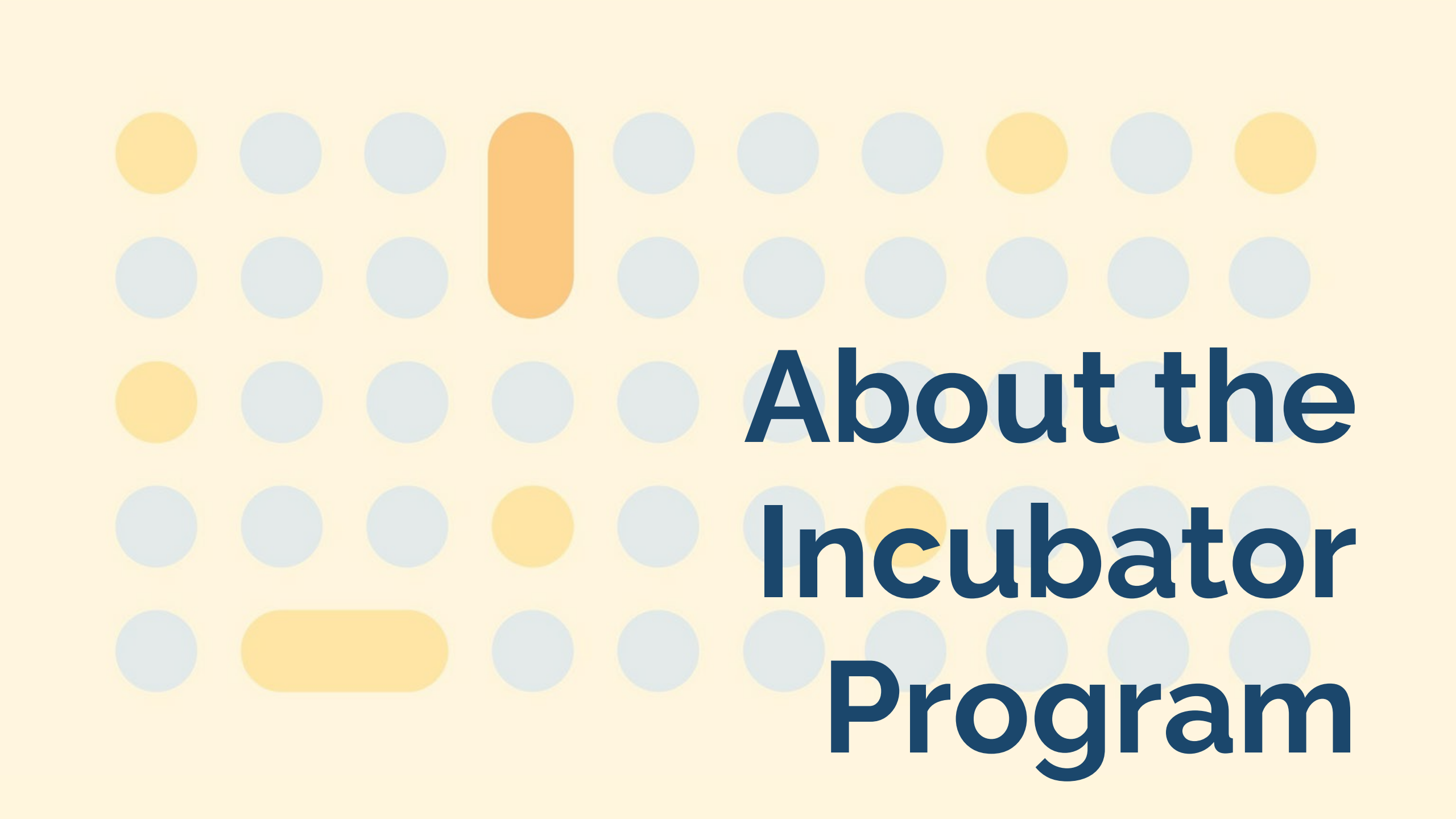
Operations and maintenance of assets



Administration funding



Securing funding and financing, including bonds and grant acceptance

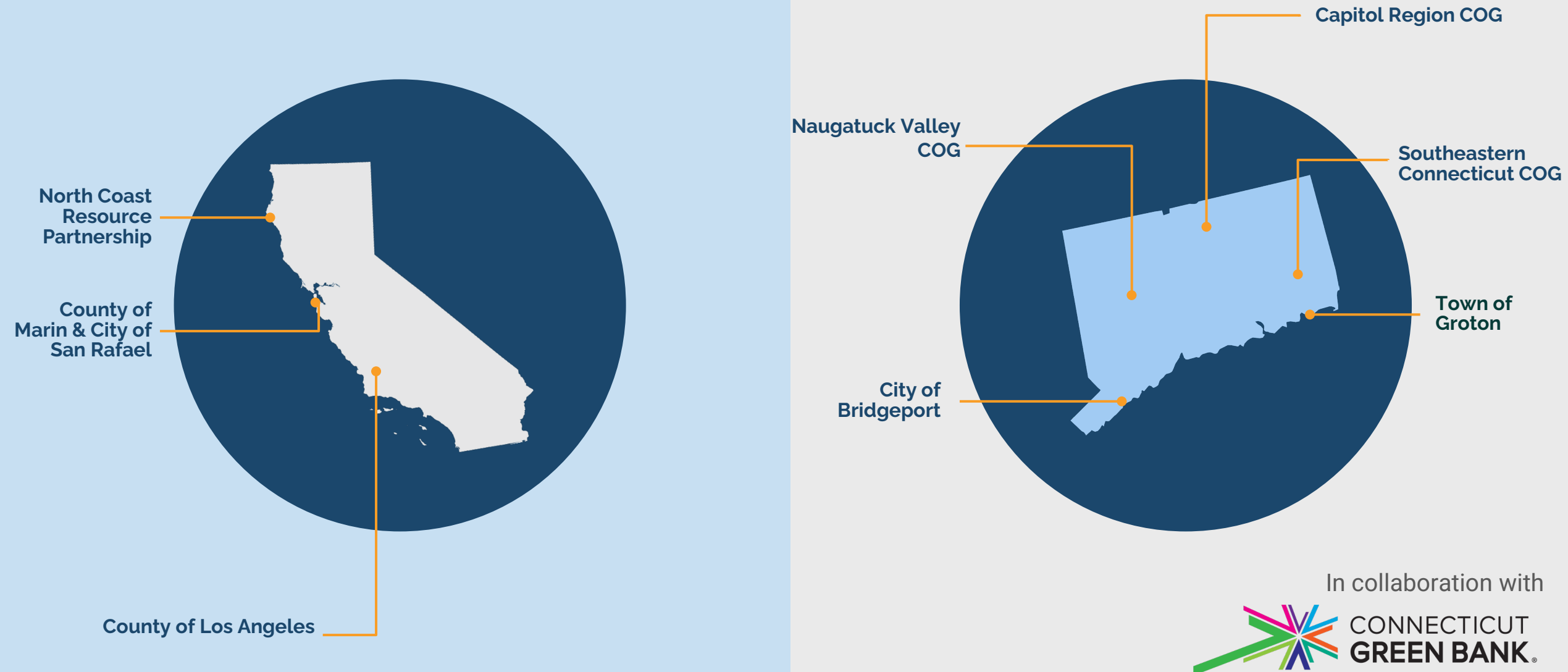


# About the Incubator Program

# Turning the Resilience Districts Opportunity Into Action



# Pilot Communities



In collaboration with





# Participant Experience



# Takeaways

## Project Prioritization

Prioritizing projects into a portfolio of long-term investments remains a challenge, despite the degree of planning and project identification work to date.

## A Common Implementation Framework

Shared guidance, technical assistance, and adaptable tools can help communities translate statutory authority into locally appropriate district models—reducing the need for each community to develop its approach from scratch.

## Making the Internal Case for Investment

Advancing districts requires early coordination among resilience staff, finance teams, legal counsel, and executive leadership. Building internal support means framing investments around each group's priorities, including the social, economic, and fiscal benefits of risk reduction.

## Long-Term Investment Strategies

District's value is in its ability to advance an evolving portfolio of investment over time, but non-financial staff lack opportunities to familiarize themselves with financing strategies that operate across a portfolio rather than on a project-by-project basis.



**Nuin-Tara Key**  
Chief Operating Officer  
California Forward (CA FWD)  
[nuintara@cafwd.org](mailto:nuintara@cafwd.org)



RESILIENT  
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CATALYST





# SCTCA

**Sonoma County  
Transportation and Climate  
Authorities**

# **Climate Resilience Districts**

## **ICARP Technical Advisory Council**

August 7, 2026

# Two Agencies. One Staff. One Board.



 [scta.ca.gov](https://scta.ca.gov)  
 [fb.com/GoSCTA](https://fb.com/GoSCTA)  
 [twitter.com/GoSCTA](https://twitter.com/GoSCTA)  
 [instagram.com/goscta](https://instagram.com/goscta)

As a collaborative agency of the cities and County of Sonoma, we work together to maintain and improve our transportation network. We do so by prioritizing, coordinating, and maximizing the funding available to us and providing comprehensive, countywide planning. Our deliberations and decisions recognize the diverse needs within our county and the environmental and economic aspects of transportation planning.

## WHAT WE DO

### Planning

SCTA works with local jurisdictions to provide countywide transportation planning to improve Sonoma County's transportation system. We produce long range planning documents including the Comprehensive Transportation Plan and the Countywide Bicycle and Pedestrian Master Plan.

### Funding

With the GoSonoma tax measure, and previously the Measure M tax measure, SCTA has been able to secure highly competitive State and federal funds that would not have been possible without a local commitment that gets projects shovel ready.

### Projects

SCTA helps to fund and deliver transportation projects throughout Sonoma County. This work involves highways, roads, public transit and active transportation - like biking and walking. SCTA works with local, regional, State and federal partners to make sure the most important projects get done.

### Programs

The SCTA collaborates with local partners to deliver multi-modal transportation improvement campaigns throughout Sonoma County, including Safe Routes to School, Vision Zero implementation, and Bikeshare programs.



 [rcpa.ca.gov](https://rcpa.ca.gov)  
 [fb.com/SonomaRCPA](https://fb.com/SonomaRCPA)  
 [twitter.com/SonomaRCPA](https://twitter.com/SonomaRCPA)  
 [instagram.com/sonomarcpa](https://instagram.com/sonomarcpa)

Founded to coordinate climate protection efforts among local governments and agencies, RCPA fosters collaboration, helps set goals, pools resources, formalizes partnerships, and works across silos — to create local solutions that complement federal, state, and private sector actions and show a zero emissions future is possible.

## PROJECTS



### BayREN

RCPA represents Sonoma County on the Bay Area Regional Energy Network (BayREN), a collaboration of nine Bay Area counties that implements energy-saving programs.



### Water Upgrades \$ave

RCPA manages BayREN Water Upgrades \$ave, a water utility program that helps customers install and pay for water efficiency upgrades with utility bill savings to "make conservation a California way of life."



### Greenhouse Gas Inventory

RCPA works to measure, track, and report greenhouse gas emissions to communicate progress and focus our actions.

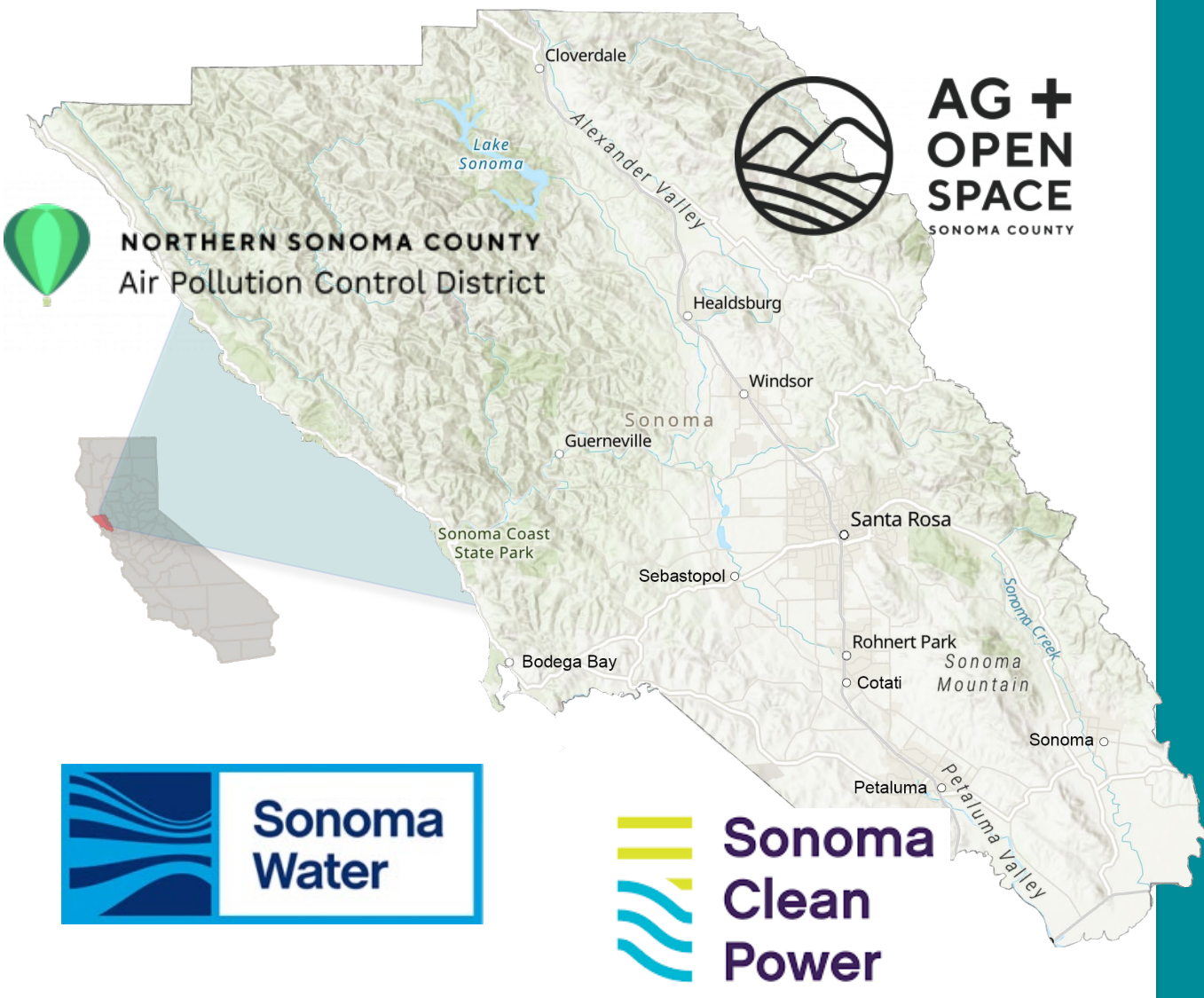


### Local Government Coordination

RCPA focuses on regional collaboration, innovative governance, and efficient use of resources to achieve climate goals that individual organizations could not reach on their own.



# SCTCA Members & Partners





- SCTA Created (1990)
- Sonoma County Transportation Sales Tax Passed (2004)
- SMART Sales Tax Passed (2008)

1990-2010

- RCPA Created (2009)



- Sonoma County Transportation Sales Tax Renewed (2020)

2011-2020

- White House Climate Action Champion (2014)
- Climate Action 2020 and Beyond (2016)

- SCTA Funding Plan (2021)
- Board Awarded \$70 million with focus on Safety, Maintenance, Active and Shared Modes (2023)

2021-2024

- Sonoma Climate Mobilization Strategy (2021)
- Climate Resilience District (2022)
- Climate Protection Initiative (2023)



**SCTCA**  
Sonoma County  
Transportation and Climate  
Authorities

2025

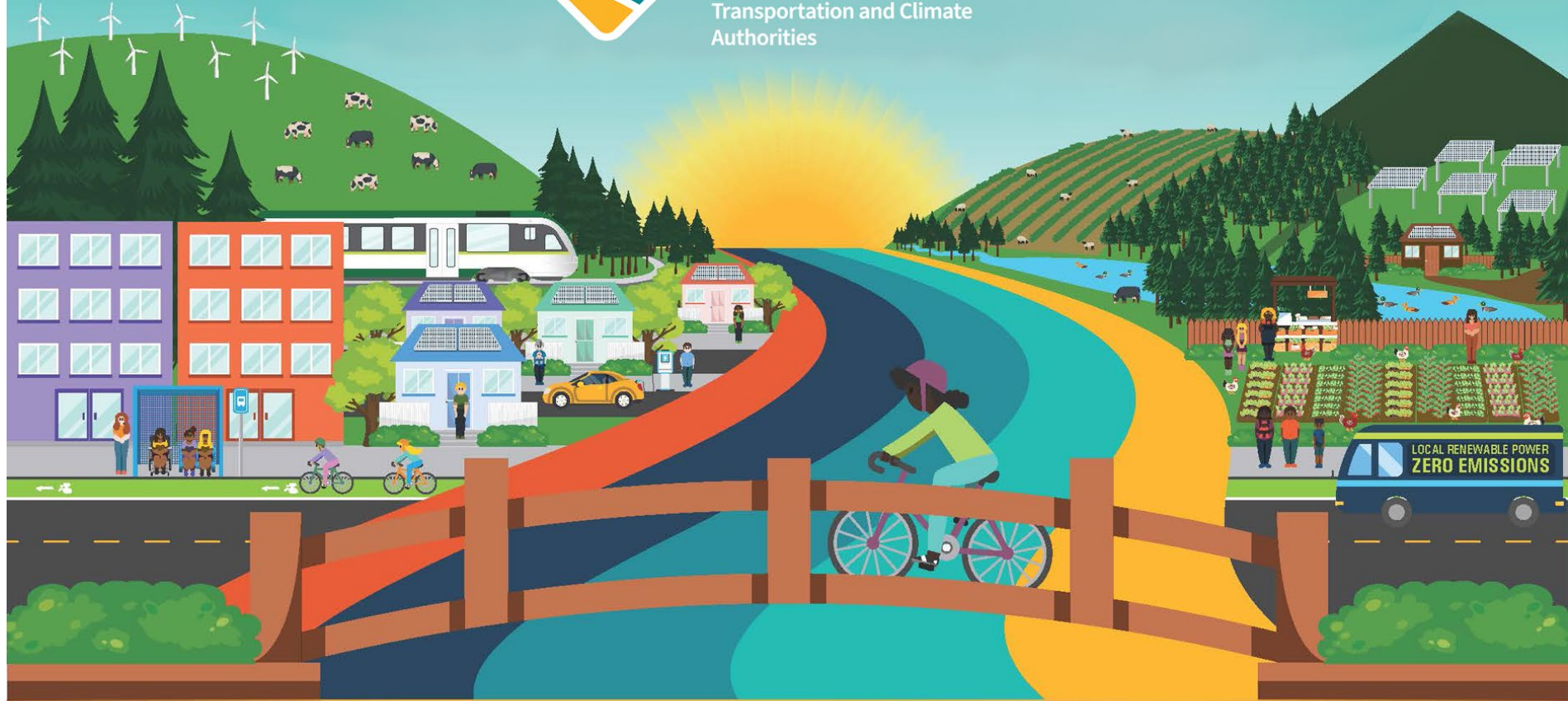
- Strategic Visioning and Organizational Alignment





# SCTCA

Sonoma County  
Transportation and Climate  
Authorities



## MISSION

Our mission is to equitably plan, prioritize, coordinate, fund, and implement climate and transportation solutions that are safe, affordable, and sustainable.

**COLLABORATION**

**COMMUNITY  
WELLBEING**

**EQUITY**

**STEWARDSHIP**

**ACCOUNTABILITY**

## VISION

A thriving and resilient Sonoma County where everyone benefits from safe and healthy built and natural environments and has equitable access to affordable clean energy solutions and safe, well-maintained, zero emission transportation options.

# SCTCA's Role

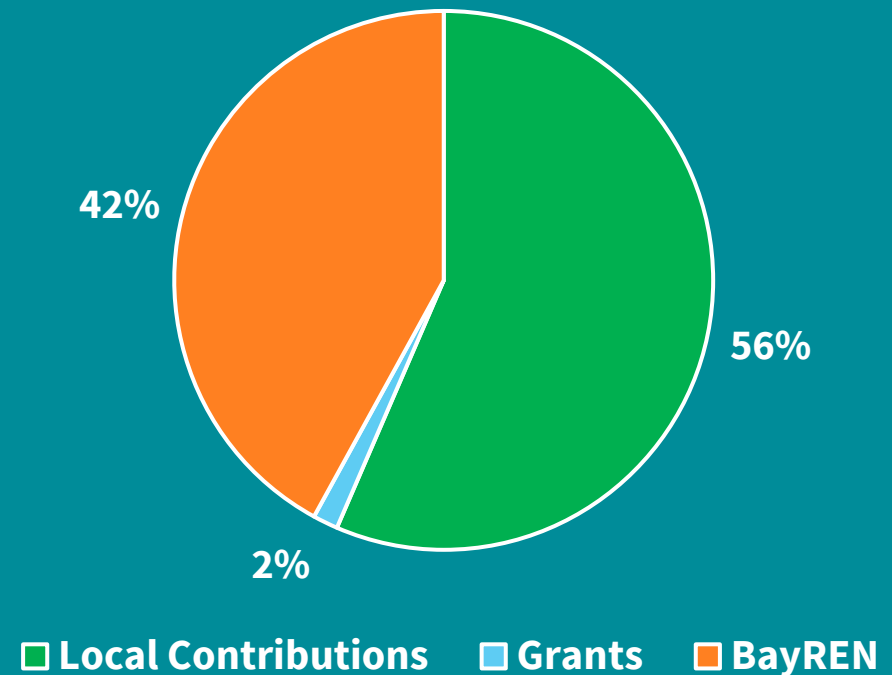
***To equitably plan, prioritize, coordinate, fund, and implement climate and transportation solutions that are safe, affordable, and sustainable.***

- Lead regional collaboration
  - Develop regional transportation and climate policy and programs
  - Provide countywide data and reports (e.g., travel model, GHG inventory)
- Support multi-jurisdictional funding efforts
  - Coordinate multi-jurisdictional grant applications
- Advocate for Sonoma County's funding needs at the State and federal levels (e.g., federal transportation formula funding, climate bond)

# Climate Funding Challenges

- Ambitious goal – carbon neutral by 2030
- Lack sustainable funding source for local climate resilience
- Limited options for countywide funding source
- Grants highly competitive and uncertain

**FY26/27 RCPA  
Preliminary Budget**





# Climate Resilience District (CRD)



- Authorized by SB 852 (Dodd, 2022)
- Allows local agencies to form a special district to address climate adaptation and mitigation
- Includes authority for a variety of funding sources
- Grandfathered RCPA as first CRD in State

# RCPA's CRD Funding Options

RCPA now has authority to pursue:

- Special taxes
- Service charges
- Gifts, fees, and grants from public and private entities
- Issue revenue and GO bonds

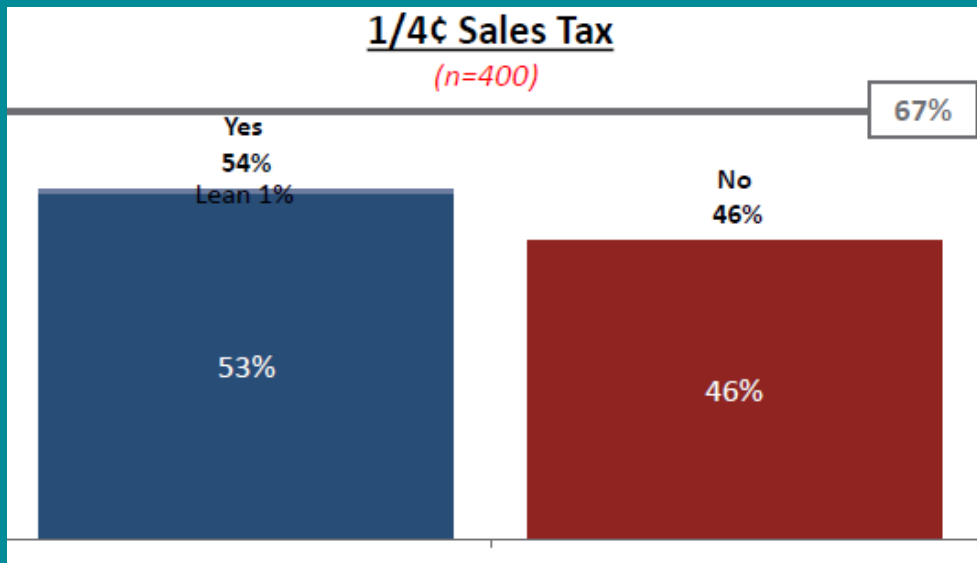
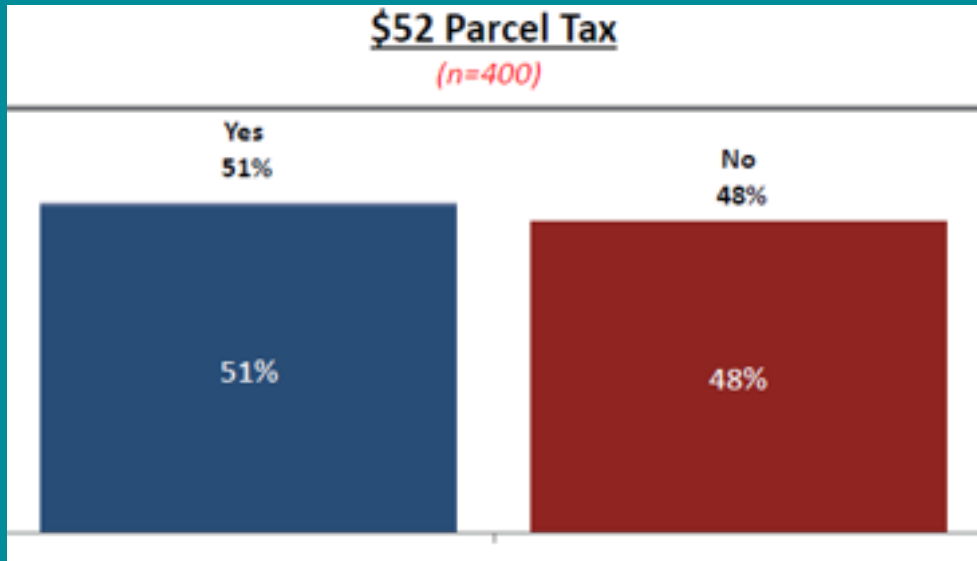


RCPA must go through CRD creation process to use:

- Tax increment financing

# Climate Poll Results for 2024 Revenue Measure

- Climate change and wildfires very serious issues to voters
- Disconnect between caring about these issues and willingness to support a new tax measure to address them
- New tax requiring supermajority support does not appear viable





# Other CRD funding options explored

- Add CRD priority to climate bond bill
- Options not pursued due to potential competition with other local entities:
  - Special taxes such as TOT
  - Tax increment financing







## Priorities for 2026

- Sonoma Climate Mobilization Strategy Update
- Climate Bond
- Multijurisdictional grants





# SCTCA

Sonoma County  
Transportation and Climate  
Authorities

# Thank You!

Questions?

**James Cameron**

Executive Director

Sonoma County Transportation and Climate Authorities

707-565-5377

[James.Cameron@sctca.ca.gov](mailto:James.Cameron@sctca.ca.gov)

**Tanya Narath**

Chief Deputy Executive Director

Sonoma County Transportation and Climate Authorities

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[Tanya.Narath@sctca.ca.gov](mailto:Tanya.Narath@sctca.ca.gov)





# Adapting to a Future with More Wildfire: Marin Wildfire Prevention Authority

August 7, 2026

Anne Crealock – Planning and Program Manager





# MARIN WILDFIRE PREVENTION AUTHORITY

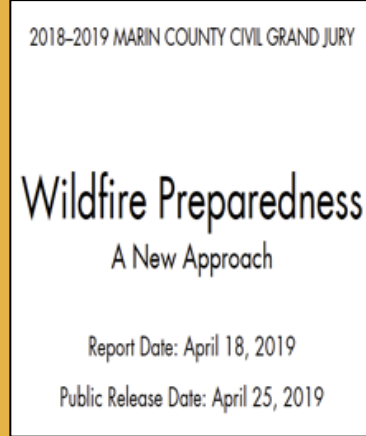


# Origins of Marin Wildfire



**2018**

**Lessons Learned  
from the 2017 North  
Bay Fire Siege  
Report**



**2019**

**Marin Civil Grand  
Jury Report on  
Wildfire  
Preparedness**



**2020**

**Measure C Passed**

- Joint Powers Authority (JPA)
- Parcel Tax



**2020-2030**

**JPA Launched / Funded**

- Annual work plans
- Project / program implementation

# JPA Funding Breakdown



## 2020-2030 Funding Allocations

### JPA Core

**60%** Supports: cross-jurisdictional projects, wildfire detection and evacuation program improvements, vegetation management/fire hazard reduction, grants management, and public education

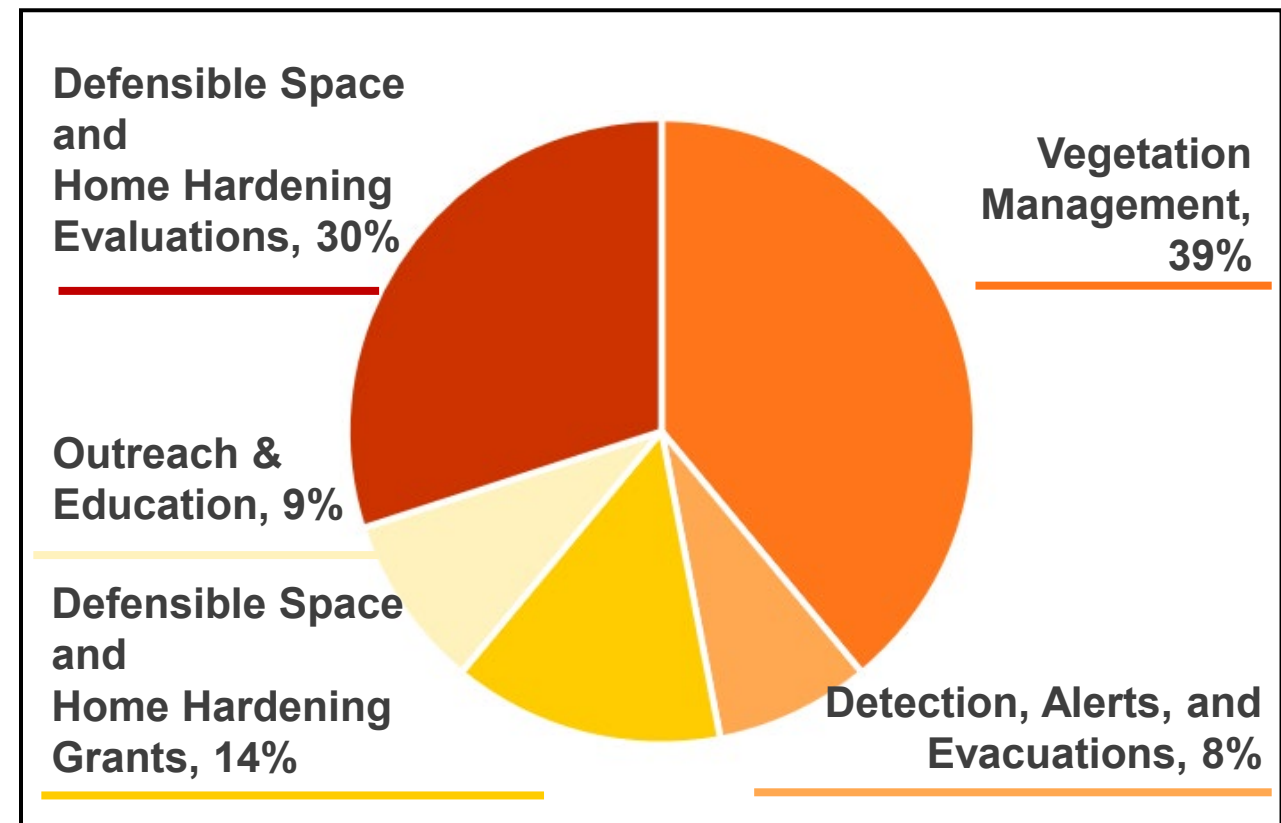
### 20% Defensible Space Evaluations and Home Hardening

Individual Agencies can administer.

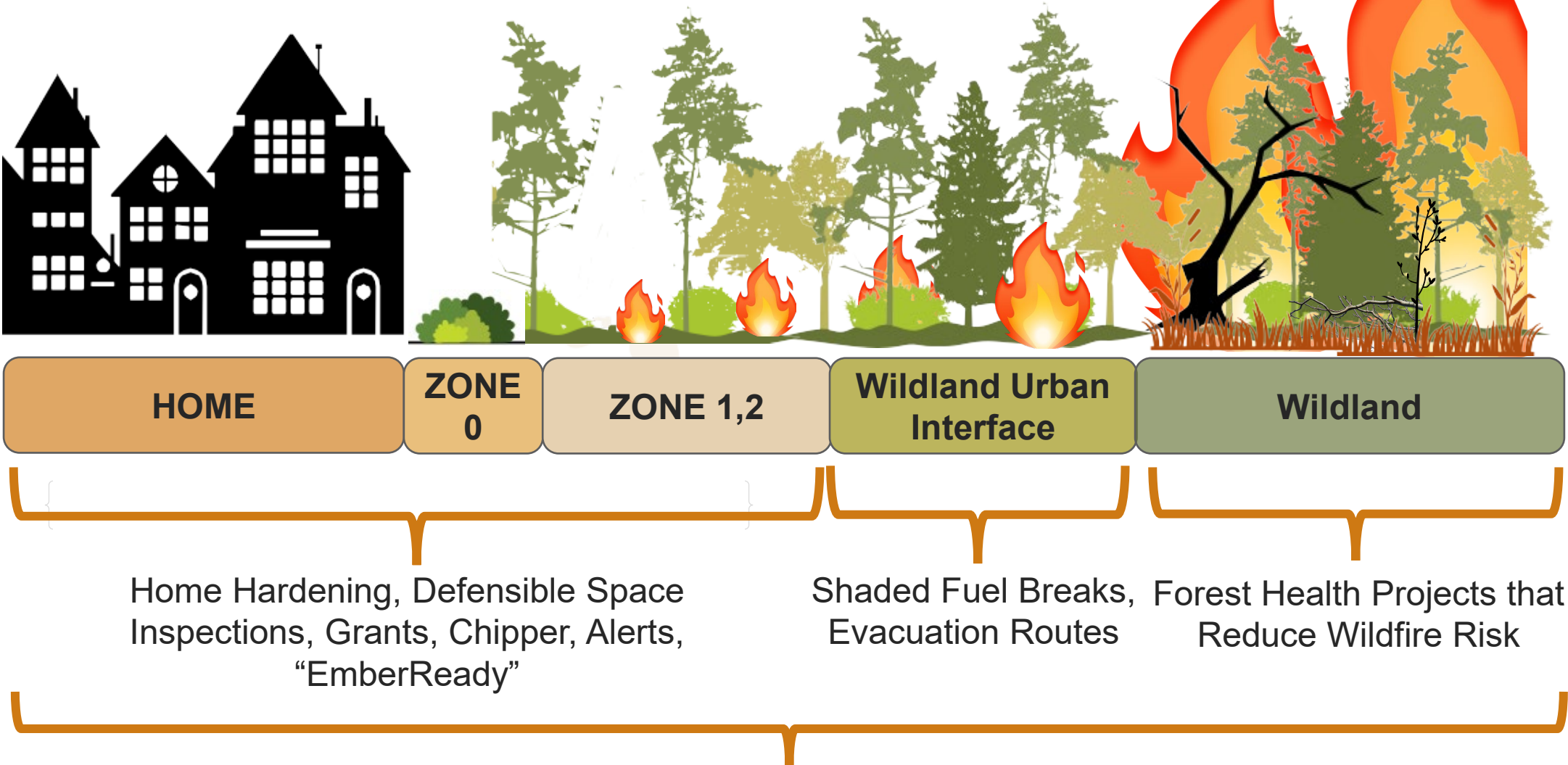
### 20% Community-Level Wildfire Prevention Mitigation

Supports: Local fire prevention activities with no funding, enhanced fire patrols in problem areas, additional fire hazard reduction work, and evacuation route parking issues.

## FY2026-2027 Budget (\$23.55M) by Goal



# House-Out Approach





# Example Projects and Programs



- Over 30,000 home evaluations each year (which then inform risk models) - residents receive a wildfire risk report
- Over \$3.3M each year in grants and direct assistance to help residents harden homes and create defensible space
- Free Chipper Program helps residents with defensible space activities
- EmberReady Program to conduct neighborhood-scale home hardening and defensible space



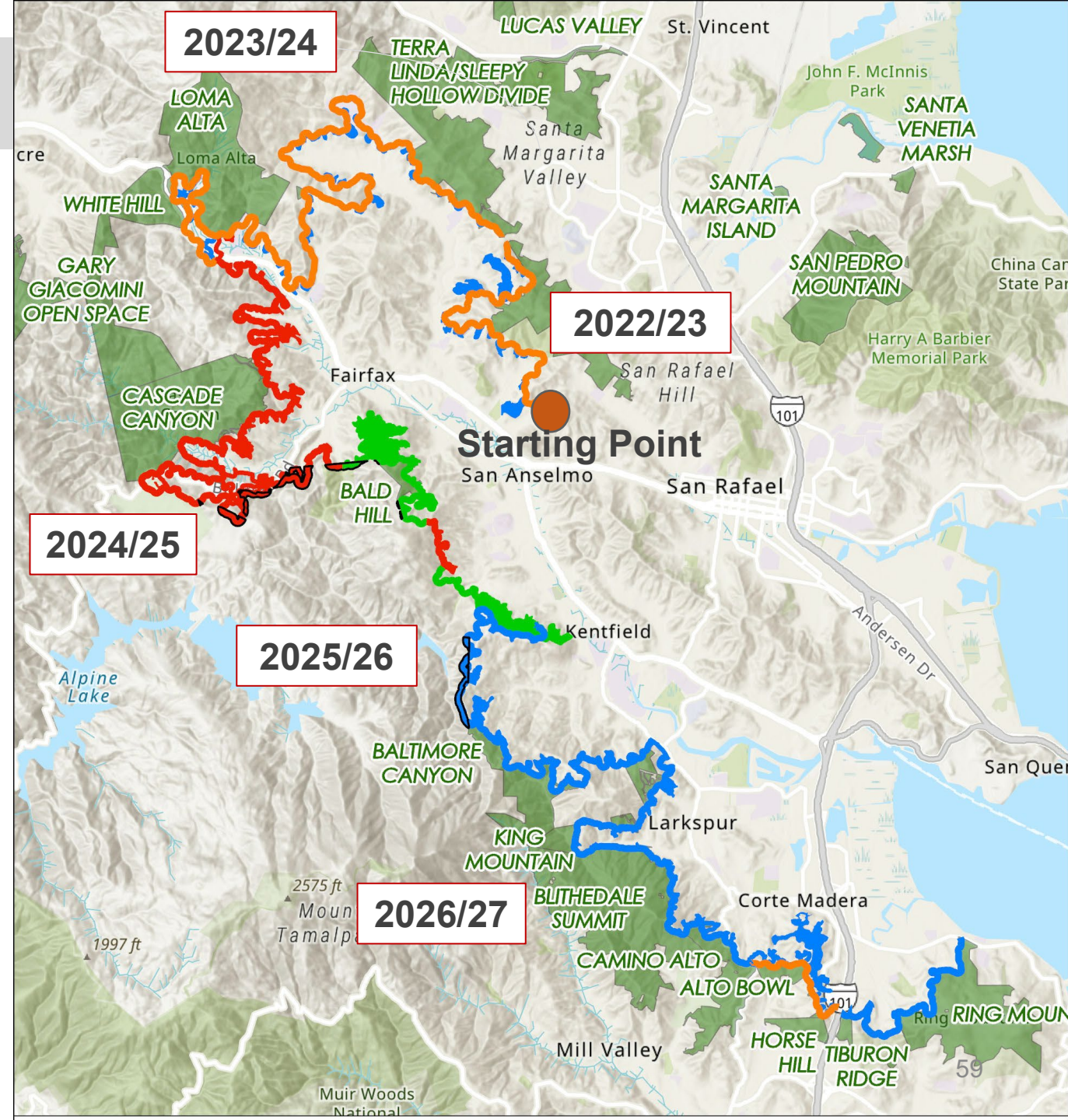


# Shaded Fuel Break Example

## Greater Ross Valley Shaded Fuel Break

- 38 miles long; 100-300 ft wide
- Dead/down, shrubs (broom), limbing up, some hazardous tree removal (broom cutting, tree work in the fall and broom pulling in spring)
- Enhanced defensible space between homes and wildlands (WUI)
- Generally moved counterclockwise starting at the Cedars in San Anselmo Public and private lands (approx. 1,700 parcels):
  - County/unincorporated
  - City of Larkspur
  - City of Mill Valley
  - Town of Fairfax
  - Town of Ross
  - Town of Corte Madera
  - Town of San Anselmo
  - Kentfield
  - Marin County Open Space / Parks

8/17/2026





## Example “Shaded Fuel Break”



**Before:** understory dominated by non-native, fire-hazardous shrubs



**After:** shrubs pulled by hand; native oaks remain; fire behavior reduced



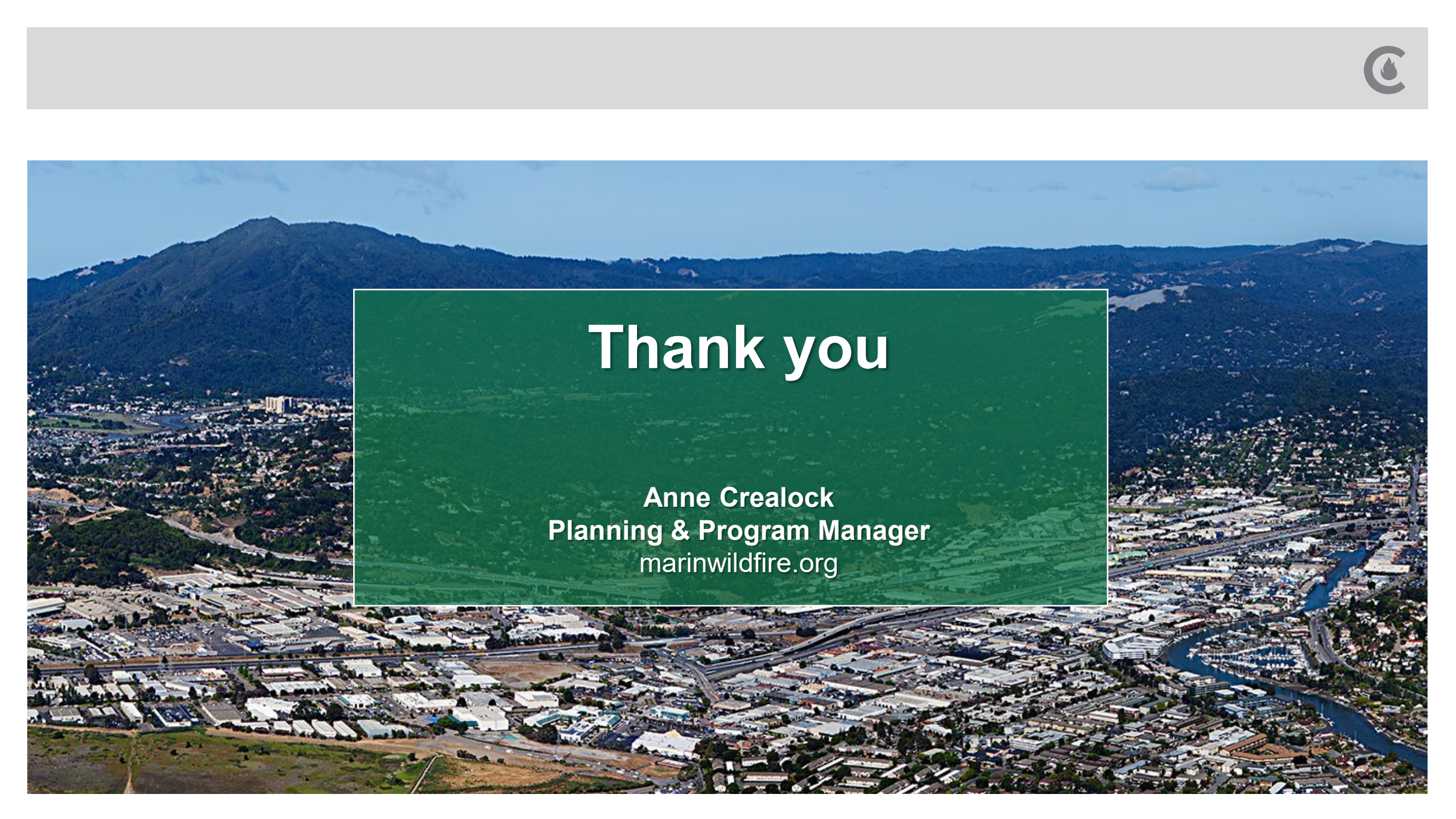
# Challenges and Opportunities



- Environmental Community Support
- Taxpayers Association
- Polling
- JPA language
- Voting structure
- Centralized vs decentralized
- Public involvement
- Other considerations





An aerial photograph of a coastal town with a river, surrounded by mountains. A large green rectangular box is overlaid in the center, containing the text.

# Thank you

Anne Crealock  
Planning & Program Manager  
[marinwildfire.org](http://marinwildfire.org)



# Item 6 | Discussion



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

# **LUNCH BREAK**

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



CA Governor's Office of  
Land Use and  
Climate Innovation

# **Item 7 | Block Grants and Regional Coordination**



CA Governor's Office of  
Land Use and  
Climate Innovation



California  
**Department of  
Conservation**  
Land Resource Protection

# Regional Forest & Fire Capacity

Achieving Impact with Block Grants

Brian Newman-Lindsay  
Program Manager  
*August 7 2026*



# RFFC Program Background

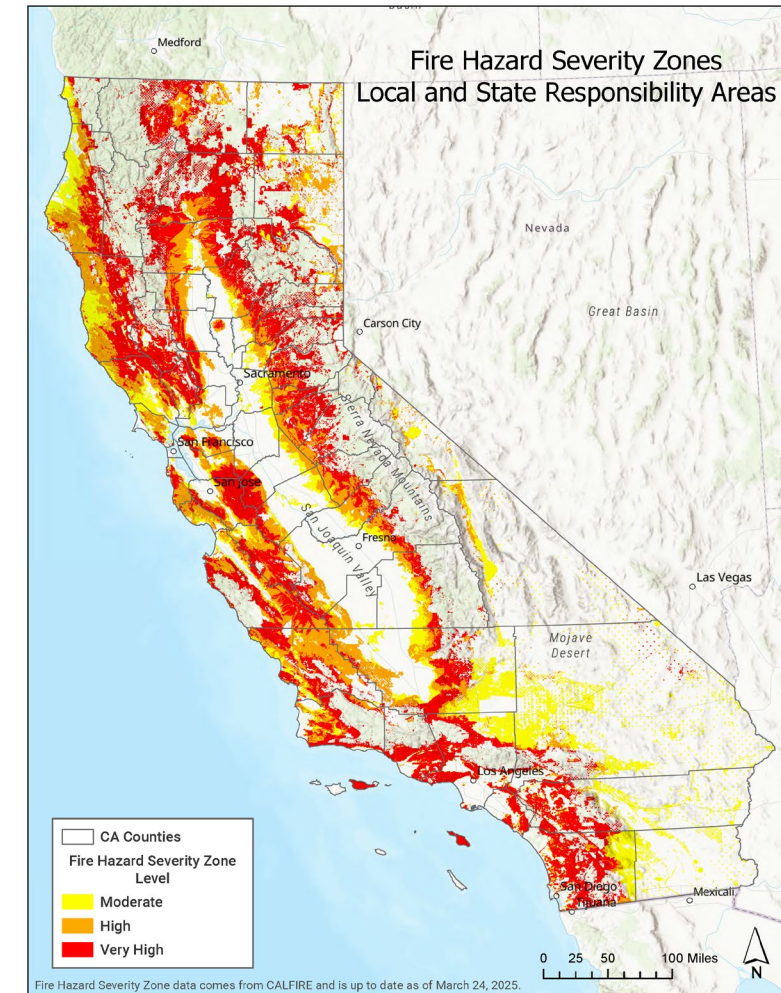


**Summary:** The RFFC program is a directed (noncompetitive) block grant program that provides capacity building funding to improve community and landscape resilience to wildfire.

**Where:** In areas located in and adjacent to **high or very high wildfire severity zones**, as determined by CAL FIRE's Fire Hazard Severity Zone mapping, per PRC 4208.1

## Supporting Legislature & Programs:

- Established by Assembly Bill 9 (2021)
- Aligns with CA Wildfire & Forest Resilience Task Force & Agreement for Shared Stewardship of California's Forests & Rangelands
- Implement goals of CA Forest Carbon Plan & Executive Order B-52-18 (increase pace & scale of forest treatments)



# RFFC Program - Goals and Objectives

- Invest in place-based practitioners and organizations.
- Support the development and implementation of efficient local and regional project pipelines.
- Strengthen resilient networks and collaborative systems.
- Provide direct and meaningful benefits to priority populations.



CCPBA FTREX 2024 cadre photo



# Funding and Status

**\$142 million** invested in **12 Regional Grants** & **7 Statewide Grants** & **Special Projects** to date.

## Quick Stats

330+ Organizations Directly Supported

886+ Priority Projects Developed

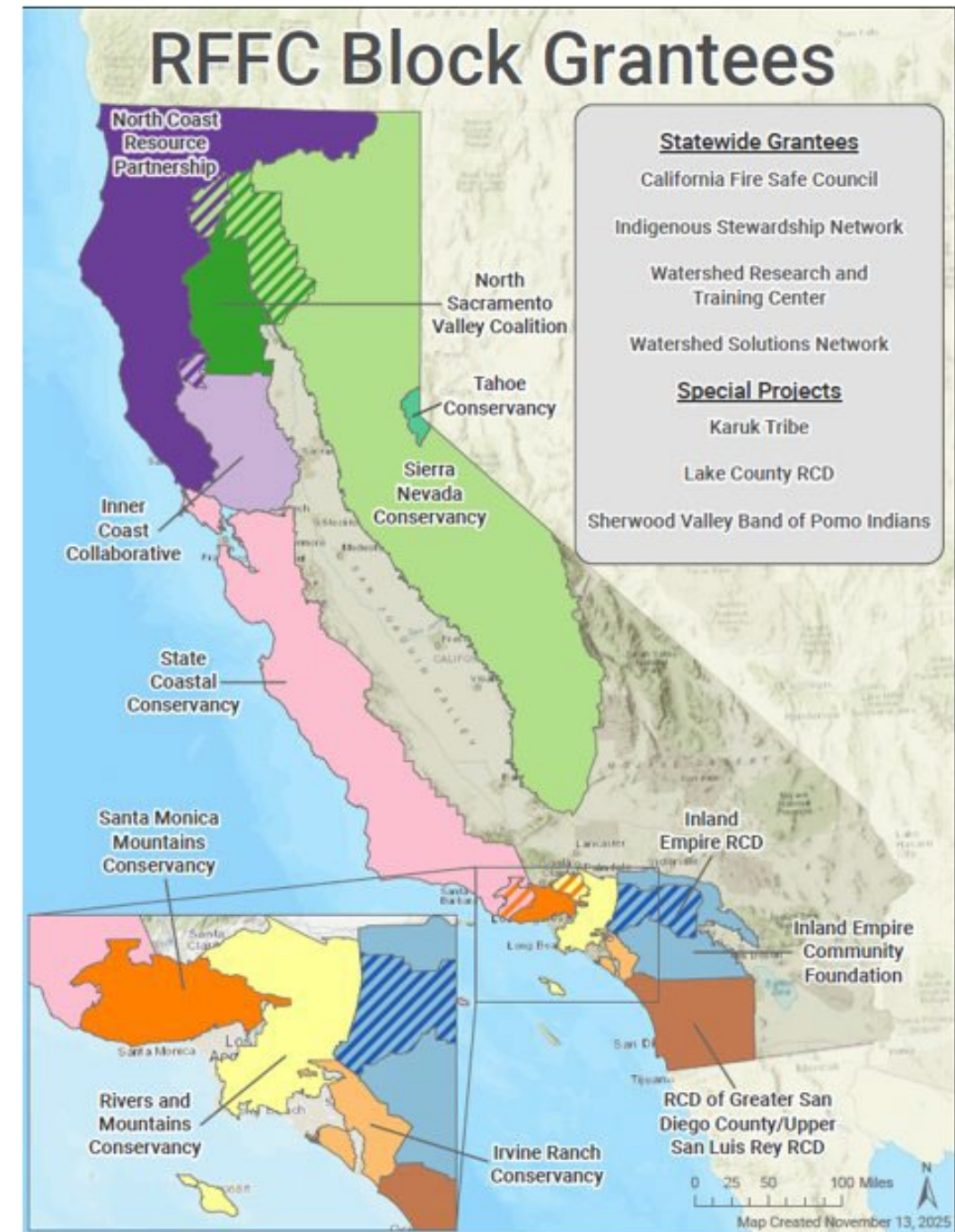
1000+ Vulnerable Populations Served

200+ Permanent Positions Created

60,000+ Training Hours Provided

\$80,000,000+ Spent

\$500,000,000+ Additional Funds Leveraged

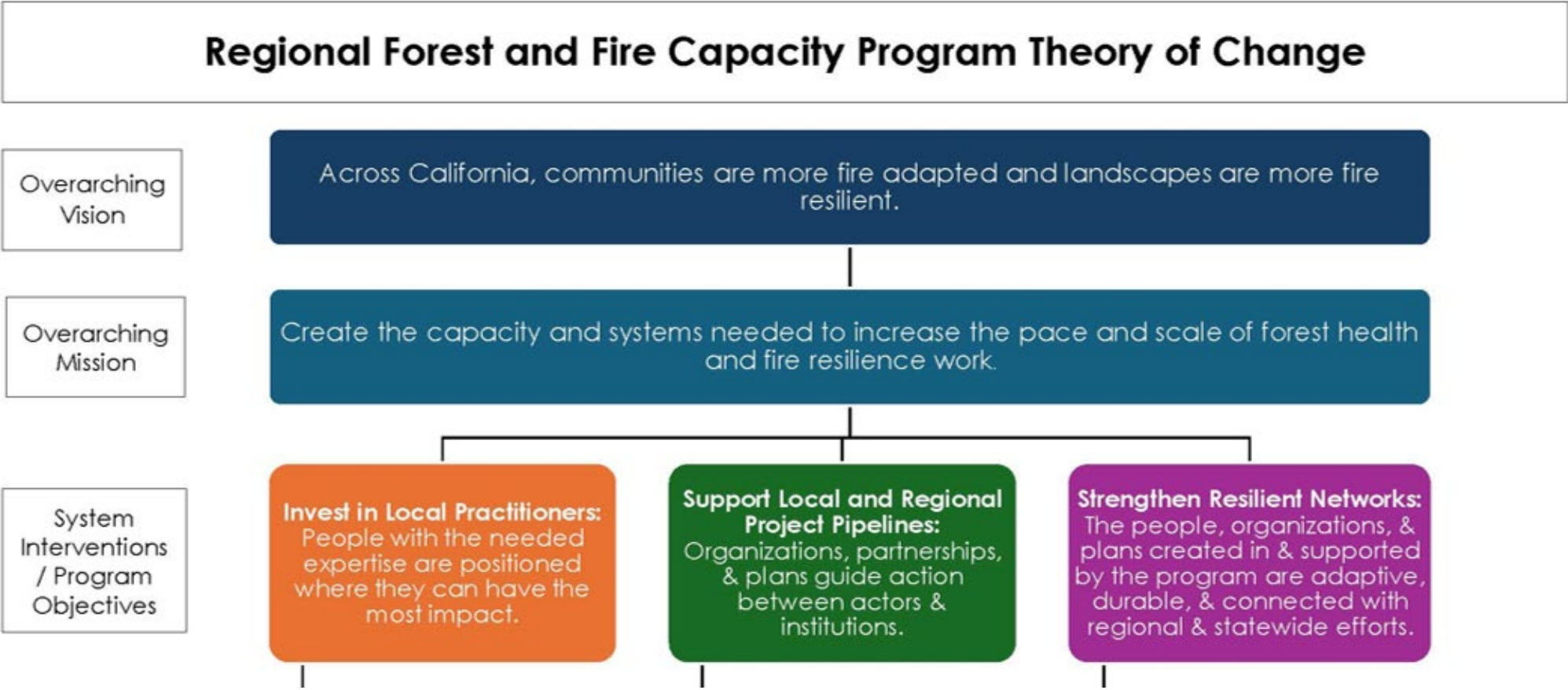


# What Makes a Block Grant?

Block grants provide funding for a program of work that accomplishes broad objectives at scale



# Principle 1: Target Outcomes, not Activities

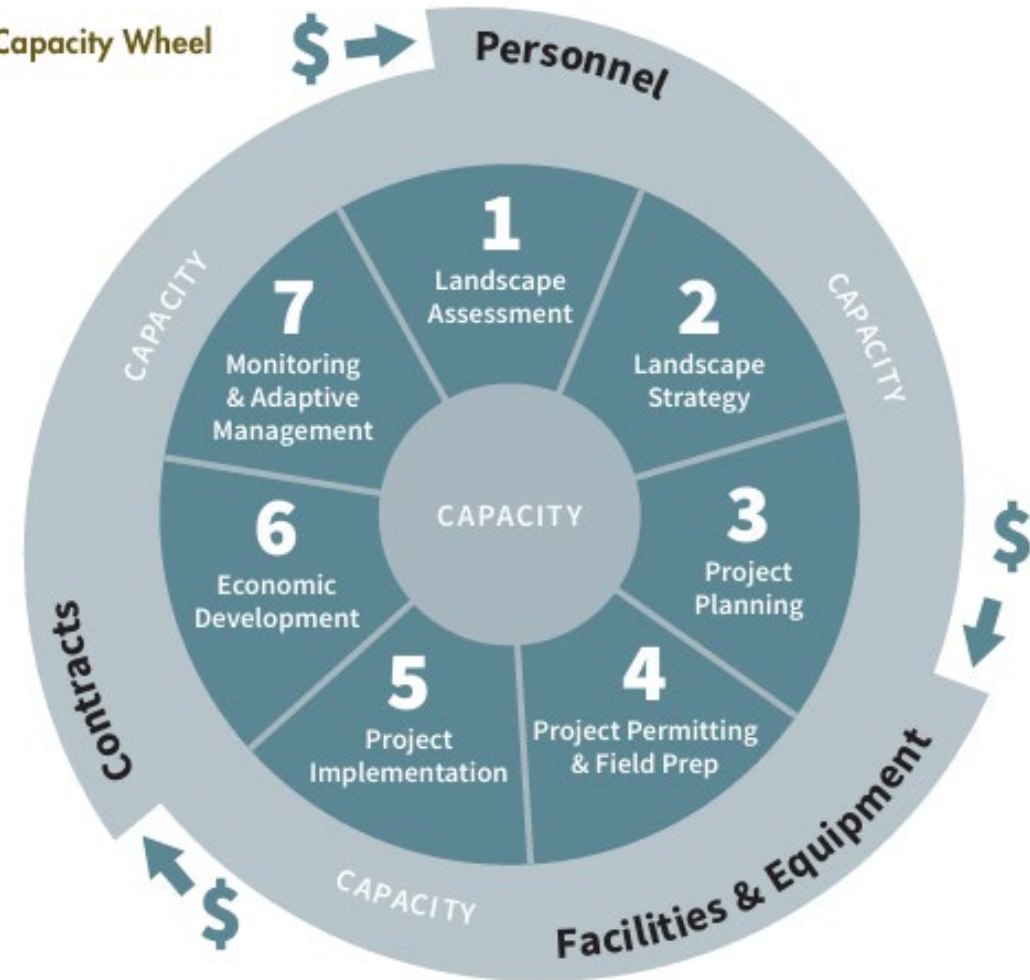


## Principle 2: Support Programs, not Projects

\$\$\$ don't translate to success just because you put them toward a shovel ready project.

Someone must develop and maintain the underlying infrastructure that makes the project go.

Figure 1: Forest and Fire Capacity Wheel



(Source: Watershed Center,  
Tahoe Fire and Fuels Team)

# Principle 3: Work at Effective Scales

## Scale can mean different things in different contexts

Time – are durations sufficient for growth and adaptative management?



Space – is this the right geography to have the intended effect?

Authority/Jurisdiction – who are the stakeholders and rights holders implicated in this program?



Scope – is there the breadth and depth needed to achieve transformation?



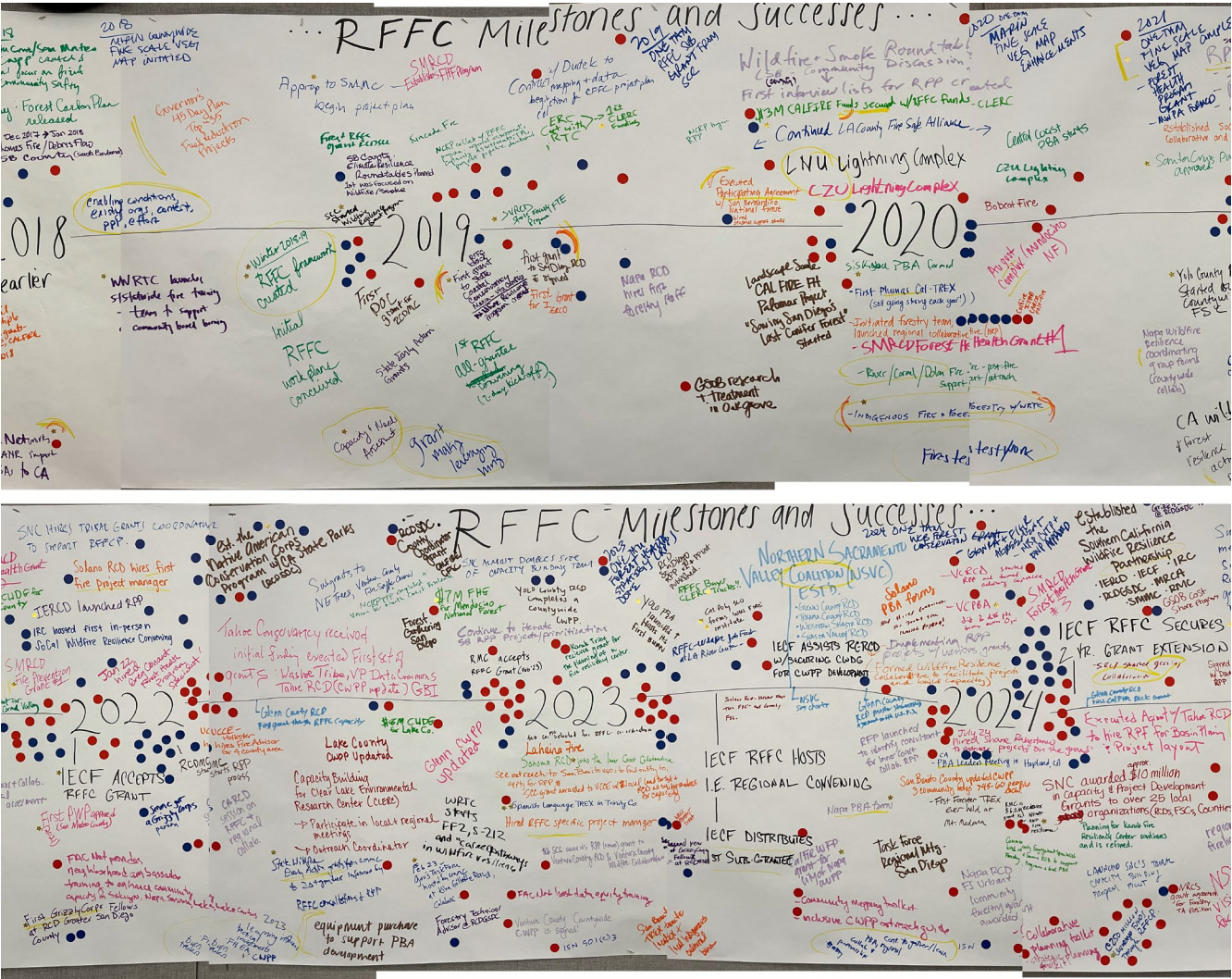
# Benefits of Block Grants



Flexibility allows for creativity.

Leverage strengths and distribute burdens.

Empowerment leads to efficacy leads to trust.





# Drawbacks and Considerations

Increased workload for project management and project controls

Requires effective and strategic communication

**Agencies must be prepared to share power**





# THANK YOU

**Contact Us:**

[Rffc@conservation.ca.gov](mailto:Rffc@conservation.ca.gov)

[Brian.Newman-Lindsay@conservation.ca.gov](mailto:Brian.Newman-Lindsay@conservation.ca.gov)





# RESILIENT WATERSHEDS & COMMUNITIES

Regional Partnerships for Long Term, Multi-Benefit Outcomes







**Source Region:**  
Forest Carbon, Water, Biodiversity



## Mission

Enhance the Quality of Life in  
North Coast Communities &  
Ecosystems

## Multiple Integrated Objectives

- Wildfire & Climate Resilience
- Water Quality & Supply
- Biodiversity & Ecosystem Function
- Community Health & Safety
- Local Economic Vitality



# Governance

Tribal & County Co-Leadership

# Technical Peer Review

Tribal & County Appointees

# Principles (MOMU)

- Equity & Transparency
- Effectiveness/ROI
- Synchro:  
Tribal/State/Fed/Local
- Tribal Sovereignty
- Local Autonomy
- Common Ground







OVERVIEW

PRIORITIZATION

STRATEGIES

DEMONSTRATION PROJECTS

PLAN IMPLEMENTATION



# A VISION FOR NORTH COAST RESILIENCE

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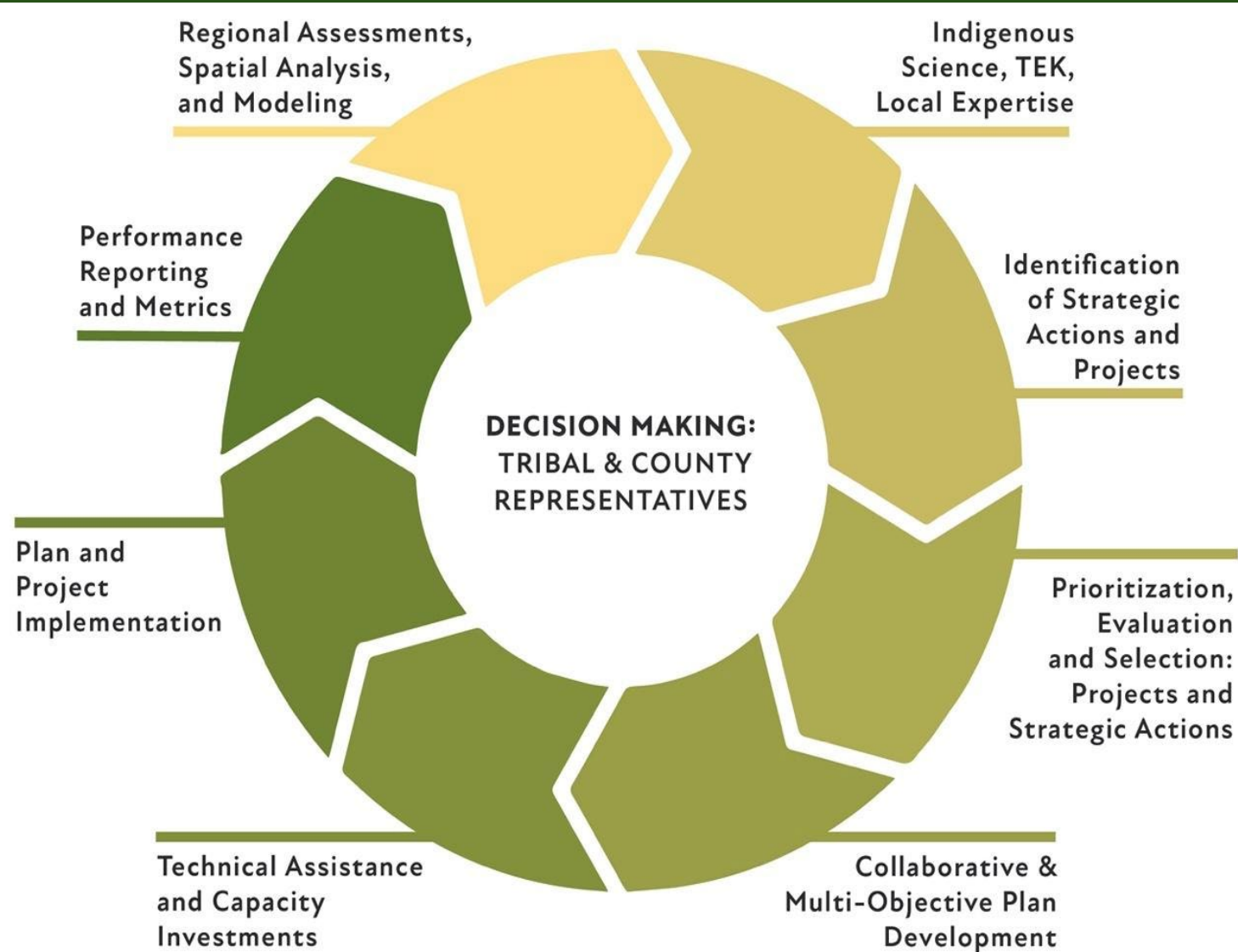
PRIORITIES FOR ENHANCING WATERSHED,  
FIRESHED, FOREST, AND COMMUNITY RESILIENCE  
IN THE NORTH COAST REGION

<https://northcoastresourcepartnership.org/resilience-plan/>



# Adaptive

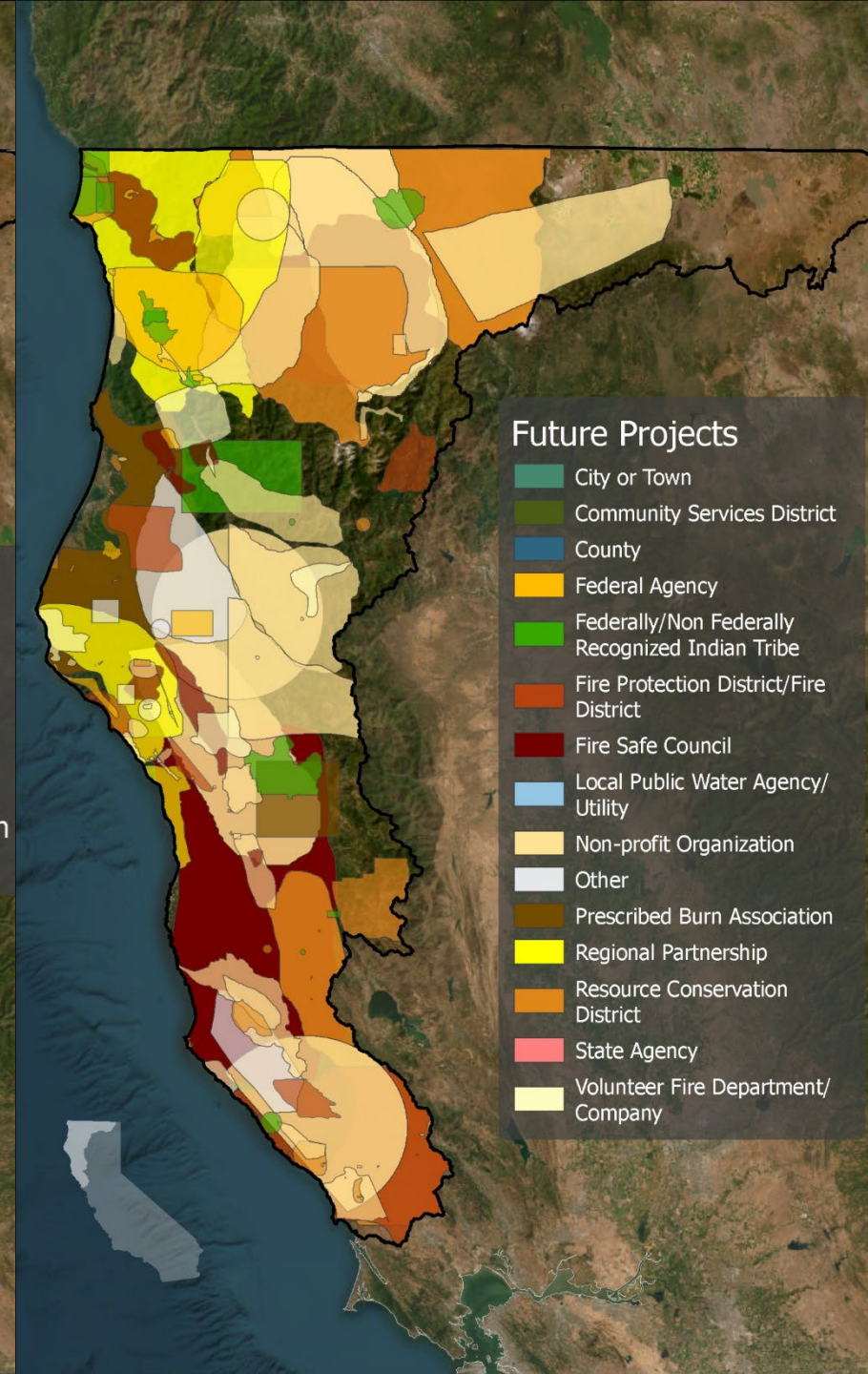
Planning \* Prioritization \* Implementation \* Reporting







- Future Partner Projects (CAL VTP)
- Future Partner Projects
- NCRP Technical Assistance Projects
- NCRP Implementation Projects



### Future Projects

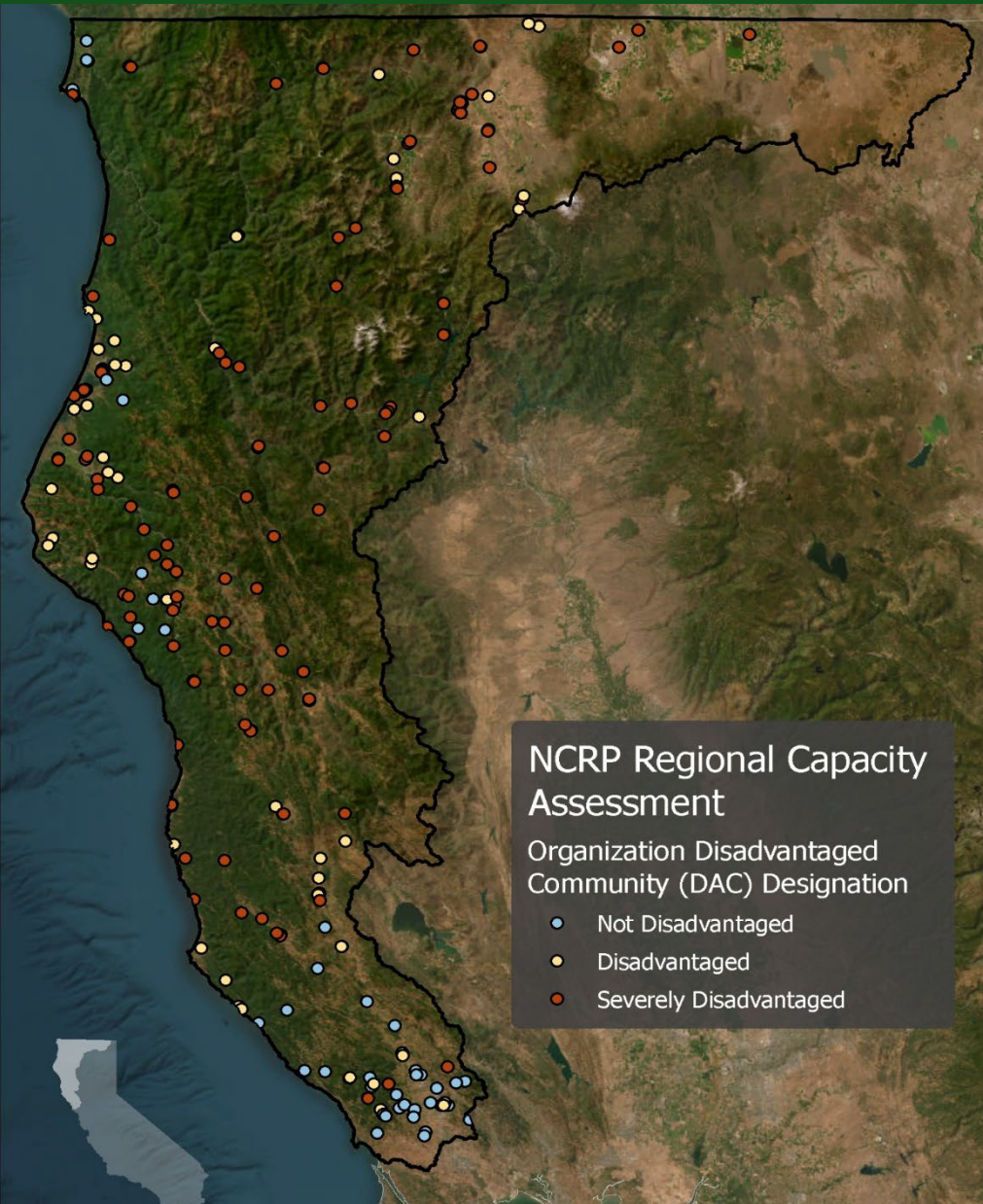
- City or Town
- Community Services District
- County
- Federal Agency
- Federally/Non Federally Recognized Indian Tribe
- Fire Protection District/Fire District
- Fire Safe Council
- Local Public Water Agency/Utility
- Non-profit Organization
- Other
- Prescribed Burn Association
- Regional Partnership
- Resource Conservation District
- State Agency
- Volunteer Fire Department/Company



| Multi-Objective Project Pipeline                           |                  |
|------------------------------------------------------------|------------------|
| Project Type (Number Projects)                             | Estimated Budget |
| Wildfire Resilience & Forest Health: Fuel Management (136) | \$504,275,773    |
| Biodiversity & Ecosystem (101)                             | \$292,985,494    |
| Wildfire Resilience: Community Health & Safety (66)        | \$1,863,569,500  |
| Prescribed or Cultural Fire (64)                           | \$120,766,200    |
| Wildfire Resilience: Fire Response Capacity (55)           | \$122,706,455    |
| Water Quality & Supply (35)                                | \$67,990,000     |
| Recreation & Public Access (26)                            | \$48,560,000     |
| Organizational Capacity Development (22)                   | \$12,835,000     |
| Forest Health: Biomass (15)                                | \$35,021,000     |
| Forest Health: Reforestation (8)                           | \$5,723,000      |
| Other (6)                                                  | \$41,200,000     |
| Climate Change Adaptation (5)                              | \$27,500,000     |
| Forest Pest Management & Invasive Species (3)              | \$15,230,000     |
| Total Project Count & Budget: (542 Projects)               | \$3,158,362,422  |



# CAPACITY ASSESSMENT & TECHNICAL ASSISTANCE



NCRP Technical Assistance

Projects: 152

NCRP Grant Assistance:

\$2,229,355

Grants Submitted: 102

Leveraged Grant Amount:

\$84,918,927



# NCRP PROJECT TRACKER

## PROJECT MAP

The map below shows all North Coast projects approved by the NCRP.

The projects are displayed with color-coded markers according to the user's choice of NCI Type, or Stage of Development (choose one from the drop down list on the left). Once the drill down on specific project categories using the drop down list on the right. Check "Cluster Project Locations" to view individual project locations

Filter Projects by: 

Project Stage

5 of 5 selected

 Color Projects by: 

Pr

Proposal

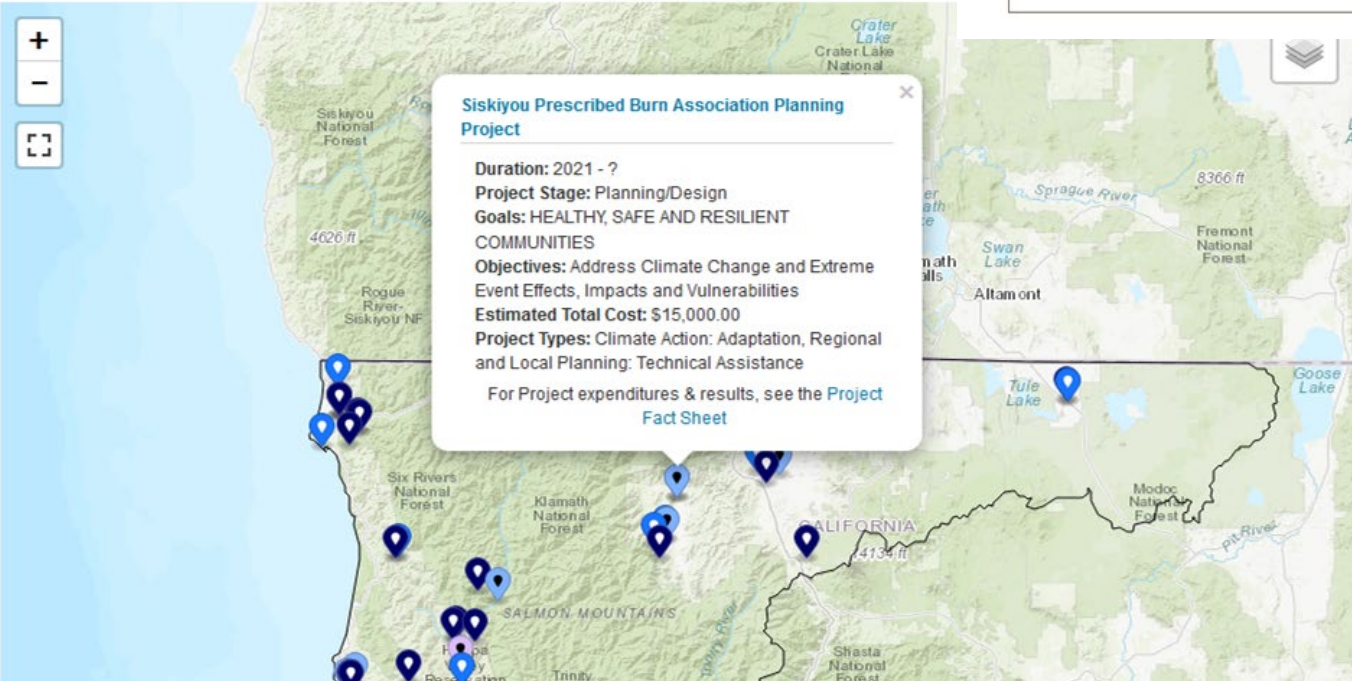
Planning/Design

Implementation

Post-Implementation

Com

☐ Cluster Project Locations



## FULL PROJECT LIST

The table below contains all North Coast projects funded through the NCRP.

The table can be filtered by any of the fields by clicking in the space below the field name and typing filter criteria or selecting from the drop down list if a drop down list is provided.

Currently viewing 9 of 153 Projects (clear filters)

Tag Checked Projects

Download Table

Download Full Database

| Project Name                                   | Project Sponsor         | Project Stage | BIA Tribal Boundaries | Counties  | Solicitation            | Secured Funding | Objectives                            |
|------------------------------------------------|-------------------------|---------------|-----------------------|-----------|-------------------------|-----------------|---------------------------------------|
|                                                |                         |               |                       | MENDO     |                         |                 | CONSERVE                              |
| Ackerman Creek Habitat Restoration             | Pinoleville Pomo Nation | Completed     | Not Tribally owned    | Mendocino | NCRP IRWM Prop 84 Roun  | \$86,950        | Conserve, Enhance and Restore Waters  |
| Big River Lower Mainstem Restoration Project   | Mendocino Land Trust    | Completed     | Not Tribally owned    | Mendocino | NCRP IRWM Prop 50 R2 (D | \$1,080,338     | Conserve and Restore Salmonid Habitat |
| Forsythe Creek Upslope Road Sediment Reduction | MCRCD                   | Completed     | Not Tribally owned    | Mendocino | NCRP IRWM Prop 50 R2 (D | \$1,506,986     | Conserve, Enhance and Restore Waters  |
| Gualala River Sediment Reduction Program       | Gualala River WC        | Completed     | Not Tribally owned    | Mendocino | NCRP IRWM Prop 84 Roun  | \$905,471       | Conserve and Restore Salmonid Habitat |
| Kenny Creek Instream Habitat Enhancement Proj  | ERWIG                   |               |                       |           |                         |                 |                                       |
| Mendocino Headwaters Integrated Water Quality  | MCRCD                   |               |                       |           |                         |                 |                                       |
| Navarro Watershed Road Sediment Reduction Pro  | MCRCD                   |               |                       |           |                         |                 |                                       |
| Sediment Solutions for the Gualala, Phase III  | Gualala Ri              |               |                       |           |                         |                 |                                       |
| The Flow Bank Program - Phase II               | Gualala Ri              |               |                       |           |                         |                 |                                       |

## PERFORMANCE MEASURES

+ Create a new Performance Measure Edit Sort Order

PROJECT BENEFITS & PERMORMANCE MEASURES

A critical technical review criterion is the magnitude of the claimed benefits to the communities that the project serves and the region.

Each project must have at least one quantified benefit related to the resource management needs of the region. In Project Tracker these expected project benefits are referred to as Performance Measures. Please note, the supplemental application materials include a section for describing the qualitative benefits that your project expects to provide.

Please use the list below to identify how you intend to measure the expected benefits from implementing the proposed project. Identify all benefits by indicating the performance measures that will be used for reporting. See the "Description" for instructions about how to account for each project measure.

Currently viewing 55 of 55 Performance Measures

Download Table

Download with Performance Measure Subcategories

| Performance Measure                                      | Unit        | Type    | Description                                                                        | # of Performance Measure Subcategories | # of Projects Reporting | # of Projects Expecting |
|----------------------------------------------------------|-------------|---------|------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-------------------------|
|                                                          |             |         |                                                                                    |                                        |                         |                         |
| Agricultural and resource dependent heritage preservat   | count       | Action  | Enter "1" if project implementation will help to preserve agricultural and resou   |                                        | 1                       | 29                      |
| Avoided Costs - Emergency repairs and service disruption | Dollar (\$) | Outcome | Dollar value of emergency repairs and service disruptions avoided each year.       |                                        | 0                       | 14                      |
| Avoided Costs - Injury and/ or property damage           | Dollar (\$) | Outcome | Estimated monetary value of Injury and/ or property damage avoided, includ         |                                        | 0                       | 6                       |
| Avoided Costs - Other                                    | Dollar (\$) | Outcome | Other savings due to project implementation, such as avoided shellfish indus       |                                        | 0                       | 9                       |
| Avoided Costs - Project costs                            | Dollar (\$) | Outcome | Project costs avoided, averaged over the expected span of the project life. Pr     |                                        | 0                       | 5                       |
| Avoided Costs - Road maintenance costs                   | Dollar (\$) | Outcome | Estimated yearly value of avoided road maintenance costs.                          |                                        | 0                       | 5                       |
| Avoided Costs - Wastewater treatment costs               | Dollar (\$) | Outcome | Yearly value of avoided wastewater treatment costs.                                |                                        | 0                       | 3                       |
| Avoided Costs - Wastewater violations/ fines             | Dollar (\$) | Outcome | Avoided fines averaged over the project's expected life presented as a yearly      |                                        | 0                       | 3                       |
| Avoided Costs - Water supply and/or treatment costs      | Dollar (\$) | Outcome | Yearly value of avoided water supply and/or treatment costs.                       |                                        | 0                       | 24                      |
| Avoided Costs - Water supply purchases                   | Dollar (\$) | Outcome | Yearly value of avoided water supply purchases.                                    |                                        | 0                       | 13                      |
| Biochar Generation                                       | tons        | Action  | Tons of biochar generated through project implementation.                          |                                        | 0                       | 1                       |
| Carbon sequestration                                     | tons        | Outcome | Metric tons of carbon sequestered per year; if sequestration occurs during a       |                                        | 1                       | 6                       |
| Conflict reduction                                       | count       | Outcome | Enter a "1" if project implementation will reduce conflicts. If possible, indicate |                                        | 1                       | 29                      |
| Drinking water saved                                     | acre-ft     | Outcome | Acre-feet of drinking water saved per year.                                        |                                        | 1                       | 0                       |
| Education & outreach - Number of events                  | count       | Action  | Number of education and outreach events held per year, or averaged over th         |                                        | 1                       | 20                      |
| Education & outreach - Number of participants            | count       | Action  | Number of people participatine in education and outreach events per year, a        |                                        | 0                       | 17                      |

# Block Grants & Climate Resilience

- Climate resilience: integrated, regional scale, multi-objective
- Synchronizing Tribal/county/state/federal/local priorities
- Long term, landscape scale, continuous improvement
- Governance - elected Tribal and county leadership:
  - Local knowledge & community priorities
  - Transparency & equity
  - Investments in DAC and historically underrepresented communities



# Block Grants & Climate Resilience

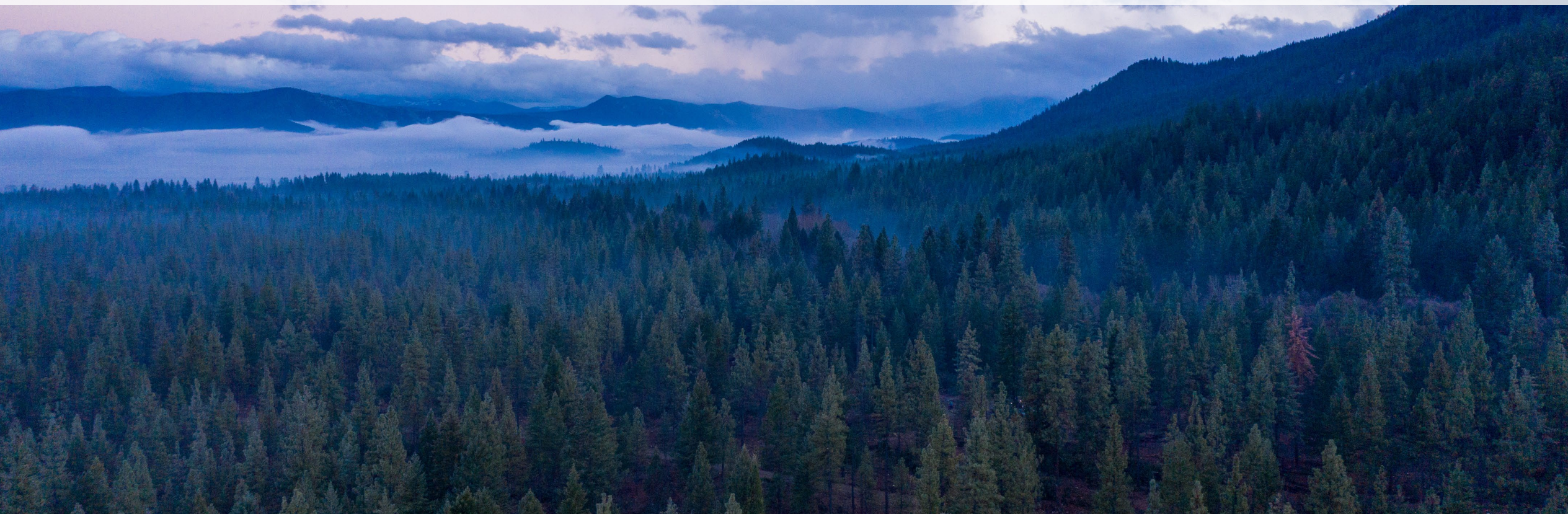
- Prioritization framework: science & local knowledge (TEK)
  - Consistent data & standards across the region
  - Criteria-driven evaluation & decision making
  - Consistent performance metrics and reporting (individual & regional)
- **High Standards for accountability:**
  - financial, equity, transparency, science, quantitative performance reporting
- Cost effective: for agency partners and taxpayers





# **RESILIENT WATERSHEDS & COMMUNITIES**

## **Partnerships for Long Term, Multi-Benefit Outcomes**





# Sacramento-San Joaquin Delta Conservancy



SACRAMENTO - SAN JOAQUIN

**DELTA** CONSERVANCY

*A California State Agency*



# Who We Are

1 of 10 State Conservancies:

- Serve communities and protect natural resources
- Connect communities to state funding
- **Regional coordination, bringing partners together to solve regional challenges**
- Non-regulatory
- Board of locally elected officials and appointees

Address multiple needs, such as:

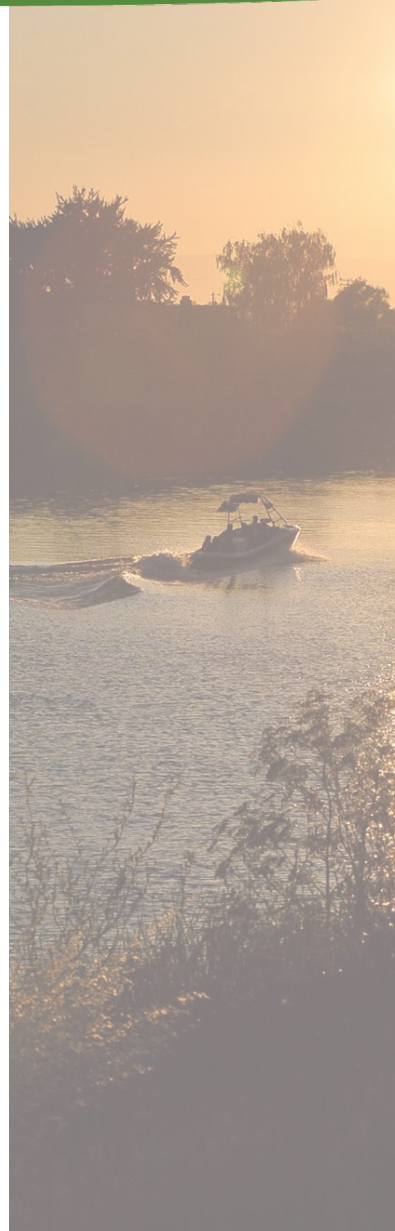
- Economic development
- Community and climate resilience
- Agricultural sustainability
- Outdoor recreation
- Watershed and ecosystem health
- Tribal collaboration
- Reducing wildfire risk



# Funding

Since its creation in 2010, the Delta Conservancy has provided over

- \$160 million in state and federal funding
- More than 140 projects that improve recreation opportunities, drive tourism, fund locally supported restoration and climate resilience projects, and support Delta agriculture.
- Climate Bond (Prop. 4) \$29 million



# Key Drivers

- 30X30
- Delta Plan and Delta Adapts
- Nature Based Solutions
- Invasive Species



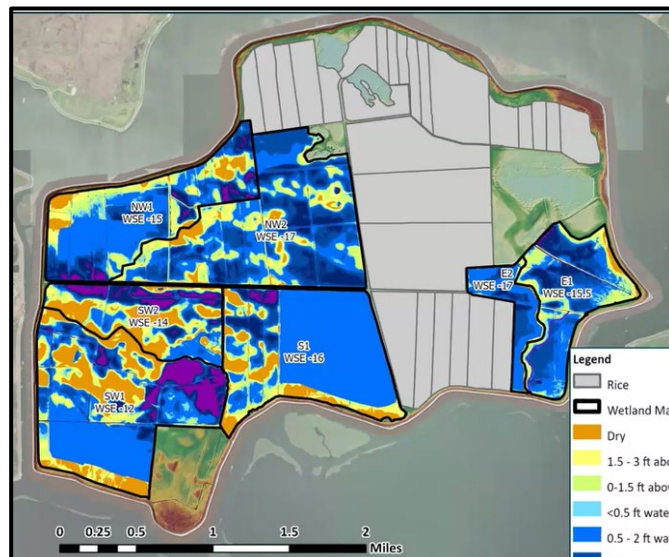




# Nature-Based Solutions

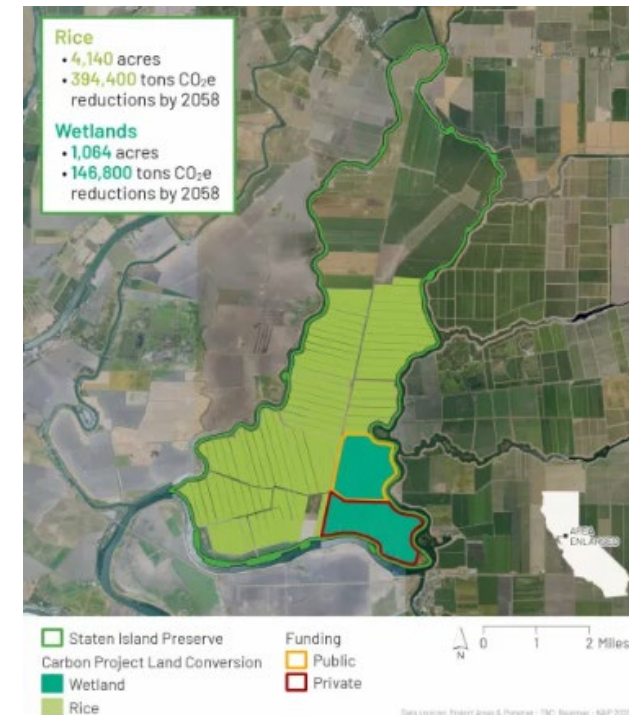
- Subsidence reversal and Carbon emissions reduction
- \$36 million, 4 projects, and 10,000 acres

## Webb Tract



Whole Island wetland/rice mosaic

## Staten Island



Wetlands added to existing wildlife-friendly farming mosaic



# Regional Coordination and Block Grants

- Delta Carbon Team
  - 30 years of research and pilots to landscape scale implementation
  - Bringing together all entities working on subsidence and emissions reductions
- Delta Funding Needs
- Block grants
  - Delta Rice Program
  - CDFA block grants to support NBS



# Contact

Campbell Ingram

[campbell.ingram@deltaconservancy.ca.gov](mailto:campbell.ingram@deltaconservancy.ca.gov)

916-621-8246



SACRAMENTO - SAN JOAQUIN

**DELTA** CONSERVANCY

*A California State Agency*



# Item 7 | Discussion



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

# **BREAK**

**Meeting will resume shortly**



CA Governor's Office of  
Land Use and  
Climate Innovation

# Item 8 | Adaptation Planning Guide



CA Governor's Office of  
Land Use and  
Climate Innovation



# 2026 CALIFORNIA ADAPTATION PLANNING GUIDE

ICARP TAC

*AUGUST 7, 2026*



CA Governor's Office of  
Land Use and  
Climate Innovation



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES



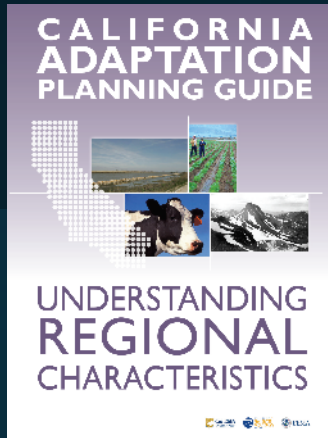
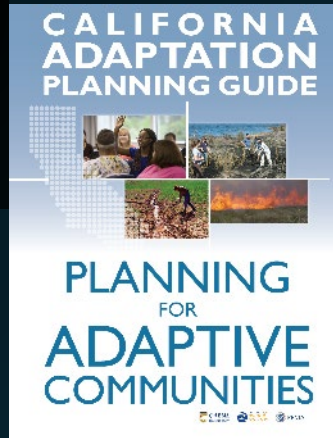
CALIFORNIA  
NATURAL  
RESOURCES  
AGENCY



# Presentation Overview

- What is the APG?
- Purpose and Function of the APG
- Target Users and Outcomes
- What's New
- Plan Structure
- 2026 APG Timeline
- Review Opportunities

# History of California's Adaptation Planning Guide & SB 246

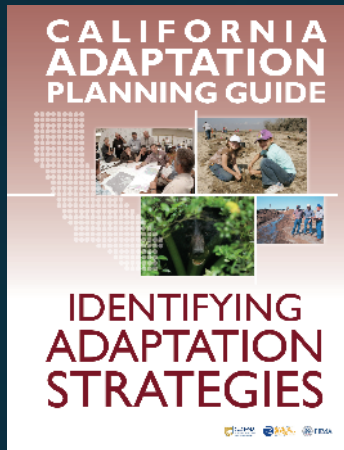
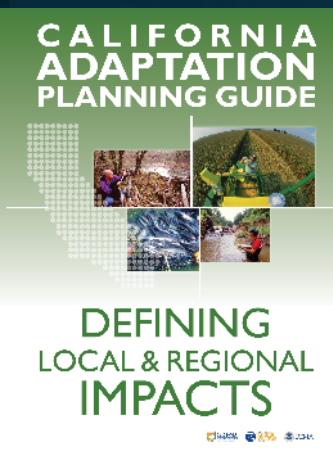


## 2012: First APG released

- Developed in partnership with state agencies, universities, and local experts

## 2015 – SB 246

- Required APG to align with updates to the *Safeguarding California Plan*

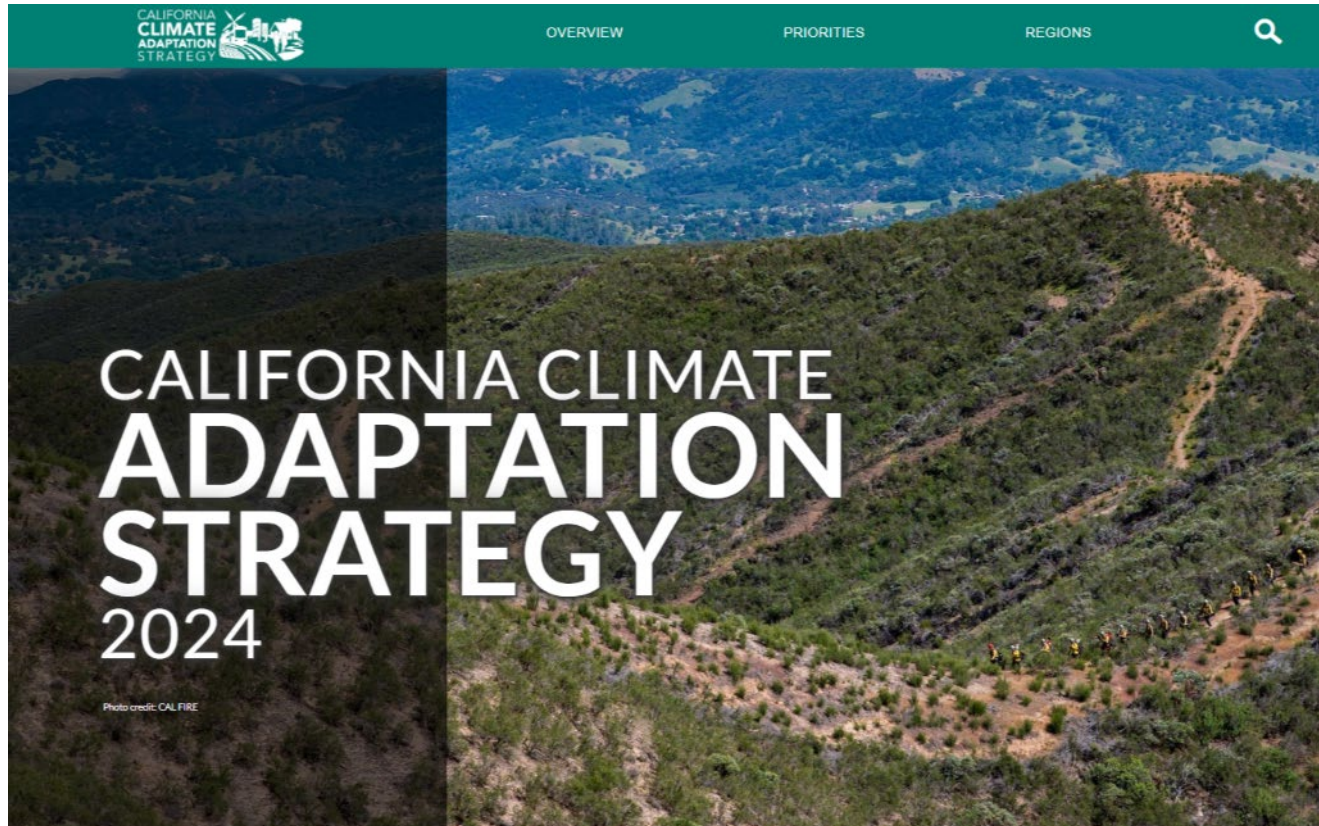


## 2020 – APG Update

- Integrated updated science, tools, and alignment with state climate plans



# 2024 CALIFORNIA CLIMATE ADAPTATION STRATEGY



- The most recent Climate Adaptation Strategy was released in September 2025, prompting a full APG review.
- Climate Adaptation Strategy shifts from a sector-based approach to a region-based approach
- Visit [ClimateResilience.ca.gov](https://ClimateResilience.ca.gov) to read the new Strategy

# PURPOSE AND FUNCTION

An adaptation framework provides the overall approach for moving from vulnerability assessment to implementation.

- Four-phase framework, to assess climate vulnerability and develop, implement, and monitor adaptation strategies that reduce risk from climate hazards.
- Extreme heat, wildfire, flooding, sea level rise, and drought.
- Guides development, implementation, and monitoring of adaptation strategies
- Includes best practices, tools, and resources to guide development, implementation, and monitoring of strategies over time
- It integrates equity and community engagement into all phases of the adaptation planning process.



***Links users to state tools like the Vulnerable Community Platform***



# Target Users

## Primary

- Local and regional governments, and agencies
- Planners, emergency managers, public work staff, public health workers, and water management agencies

## Secondary

- Tribes, private sector practitioners, Nonprofits, community-based organizations, academic institutions, quasi-governmental organizations



# APPLICATIONS OF THE APG

Primary Outcome of the APG:

- **Updates to the safety element/SB 379 compliance** and/or other elements of the general plan.
- **Standalone Climate** Action or Adaptation Plans
- **Hazard Mitigation Plans**



# APPLICATIONS OF THE APG

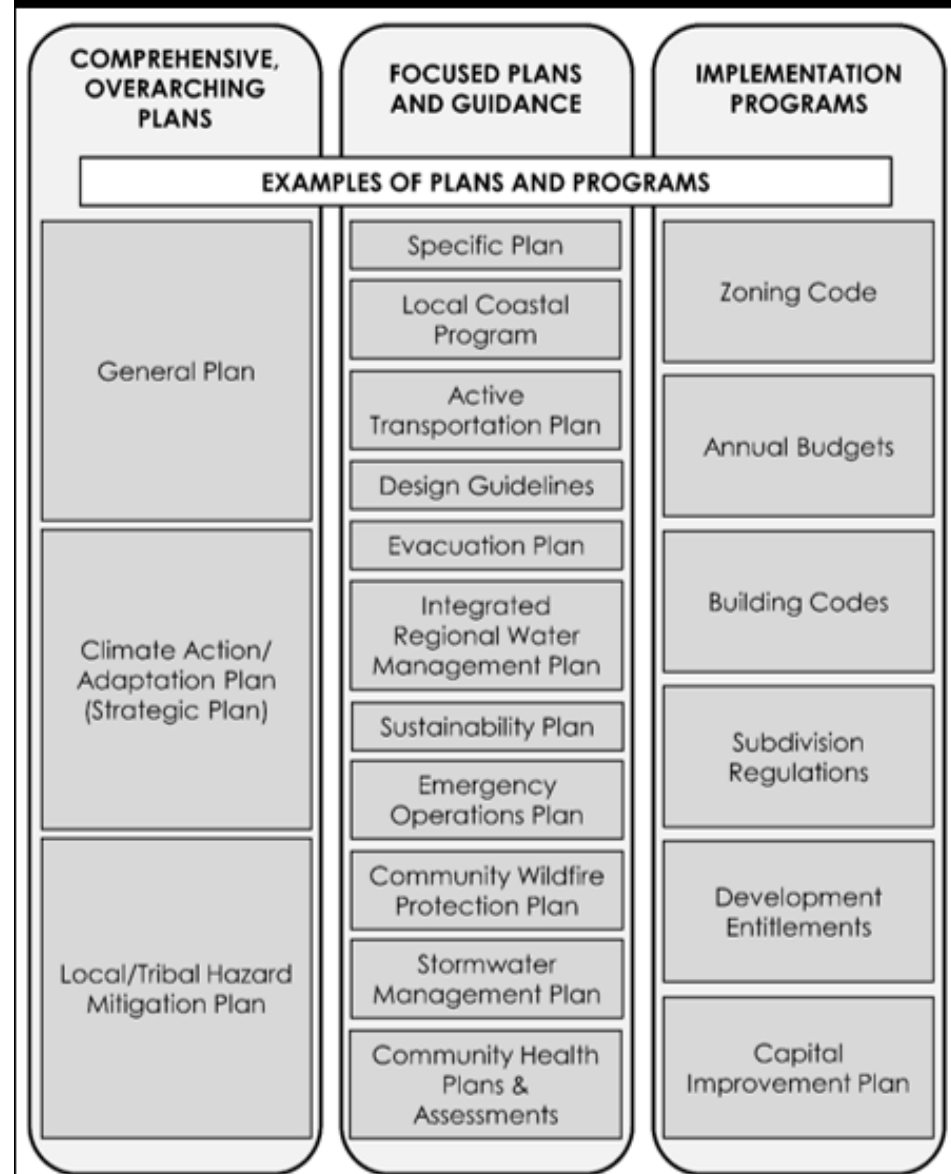
**Adaptation strategies** are specific policies, programs, projects, and actions that reduce climate vulnerabilities and build resilience.

**Linking and integrating climate considerations into local level planning documents:**

**Focused plans:** Incorporate climate and vulnerability data into Community Wildfire Protection Plans, Recovery Plans, Local Coastal Programs, and hazard-specific plans (e.g., extreme heat, wildfire).

**Implementation programs:** Embed findings into Capital Improvement Plans (CIPs), building codes, and other implementation tool.

Figure 6. Types of plans and programs



# WHAT'S NEW & NOTEWORTHY IN 2026





# CASE STUDIES

| 2020                                                                                                                                                                              | 2026                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TOTAL CASE STUDIES</b><br>~6 examples concentrated in phase 1 & 3                                                                                                              | 15+ case studies across all 4 Phases                                                                                                                                                |
| <b>PLANNING ENTITY REPRESENTATION</b><br>Mostly cities, only one county<br><br>Repeated the same handful of jurisdictions (San Francisco, San Diego, Long Beach, and Santa Cruz). | 8 Cities, 5 Counties, 6 Special districts/JPAs, 2 Regional agencies, COGs, 3 Tribes                                                                                                 |
| <b>REGIONAL VARIATION</b><br>Examples were primarily focused on <b>coastal urban communities</b> .                                                                                | Expands geographic representation to include inland and desert counties (e.g., Plumas, Colusa, Butte).                                                                              |
| <b>PLAN TYPE</b><br>Mostly Local Hazard Mitigation Plans                                                                                                                          | Local Hazard Mitigation Plans<br><br>Standalone Climate Action Plans<br><br>Standalone Vulnerability Assessments<br><br>Sustainability Plans<br><br>Recreation and Adaptation Plans |

# Three New Appendices

## Appendix A: Outreach & Engagement

- Consolidates engagement guidance from all four phases into one reference
- Each phase now redirects here at a labeled Engagement Touchpoint that redirects to this section for implementation guidance.
- Use section tags to navigate engagement strategies relevant to the current phase.

## Appendix B: Climate Data Tools

- Provides detailed instructions for applying data and mapping tools by hazard type or across hazards.
- Walks through select tools for steps through Phase 2's Vulnerability Assessment

## Appendix C: Worksheets

11 worksheets through all 4 phases, to support your planning process.

### Put It into Practice

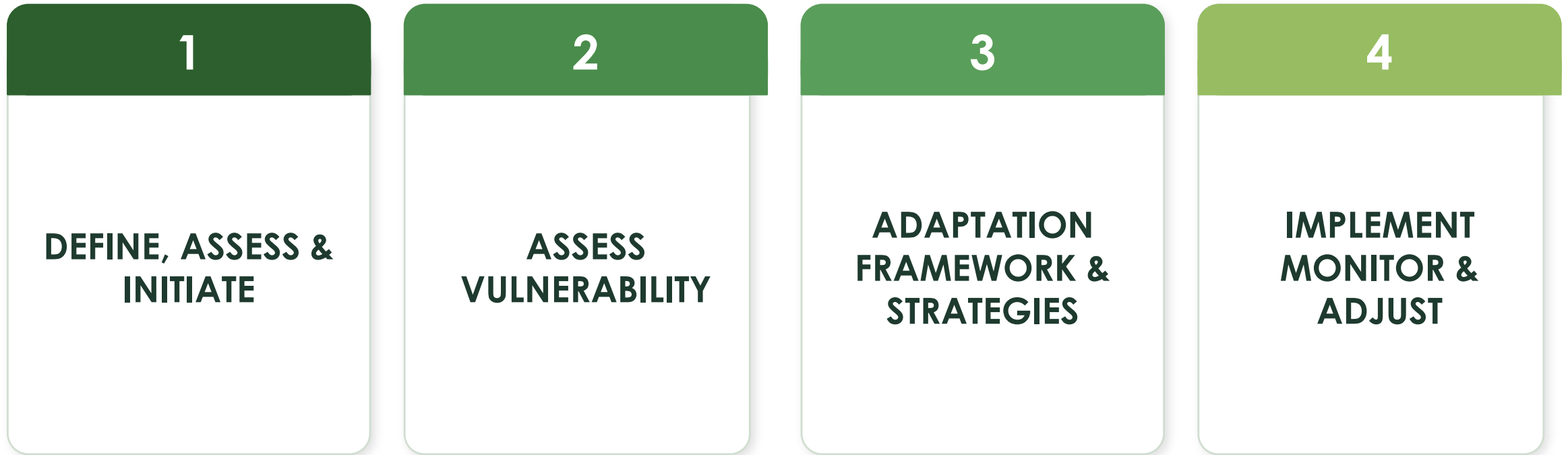
See Appendix C - Determine Historical Hazards

Record findings about historical hazard events in the table below.

| Event Name and Date | Hazard Type | Neighborhoods or Regions Affected | Human Impacts | Infrastructure Impacts | Environmental Impacts |
|---------------------|-------------|-----------------------------------|---------------|------------------------|-----------------------|
|                     |             |                                   |               |                        |                       |
|                     |             |                                   |               |                        |                       |

# The Four Phases of the ADAPTATION PLANNING GUIDE

Provides high-level guidance for practitioners across disciplines, from county planning staff and emergency managers to local land managers, supporting climate adaptation efforts across all sectors and hazards.



*Chapters are designed to support each other and be used independently, across multiple scales and sectors.*



# Phase 1: Define, Assess, Initiate



- **All adaptation planning begins with scoping.**
- Define the planning purpose, goals, and geographic scope.
- Assemble the planning team, establish the budget, and identify partners.
- Develop an outreach strategy to support implementation and long-term engagement.



# Phase 2: Assess Vulnerability



- Identify hazards of concern
- Review past climate trends & incorporate projections
- Identify assets: who and what is exposed and vulnerable (communities, structures, ecosystems)
- Evaluate existing assessments and identify gaps (adaptive capacity)



# Phase 2: Assess Vulnerability

Figure 14. City of San Fernando (left panel: extreme heat in current timeframe, right panel: extreme heat in 2050 timeframe)



Table 4. Key Elements to consider when reviewing common local plans

| Planning Mechanism                                           | What to Look For                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Threat and Hazard Identification and Risk Assessment (THIRA) | <ul style="list-style-type: none"> <li>• Identification of climate-related and other hazards</li> <li>• Exposure and vulnerability analyses</li> <li>• Critical natural and built assets</li> <li>• Existing capabilities, partners, and resource gaps</li> <li>• Hazard mitigation and risk reduction strategies</li> </ul>                                                                                                                                                                                                                                                          |
| Local Coastal Program (LCP)                                  | <ul style="list-style-type: none"> <li>• Coastal hazards and shoreline conditions</li> <li>• Coastal resource protection policies</li> <li>• Sea level rise adaptation policies and development standards</li> <li>• Coastal access, habitat, and infrastructure considerations</li> </ul>                                                                                                                                                                                                                                                                                            |
| Subregional Shoreline Adaptation Plan                        | <ul style="list-style-type: none"> <li>• Assessment of shoreline and coastal hazard exposure for natural, built, and community assets, including vulnerable communities.</li> <li>• Identification and prioritization of shoreline adaptation focus areas based on local values, community priorities, and regional objectives</li> <li>• Detailed vulnerability assessments for priority areas</li> <li>• Adaptation strategies, projects, and policy recommendations</li> <li>• Regional coordination opportunities, implementation partners, and funding considerations</li> </ul> |
| Recovery Plans                                               | <ul style="list-style-type: none"> <li>• Information on potential partners</li> <li>• Risk reduction plans and strategies</li> <li>• Recovery priorities and governance structures</li> <li>• Strategies to reduce future risk while rebuilding</li> <li>• Opportunities to integrate resilience into long-term recovery and redevelopment</li> </ul>                                                                                                                                                                                                                                 |



# Phase 3: Adaptation Framework and Strategies



- Build on vulnerability findings to develop and prioritize adaptation strategies
- Identify nature-based and multi-benefit solutions
- Generate a list of tactics, and evaluating benefits, drawbacks, and barriers for each
- Refine strategies with community input



# Phase 4: Implement, Monitor, Evaluate, and Adjust



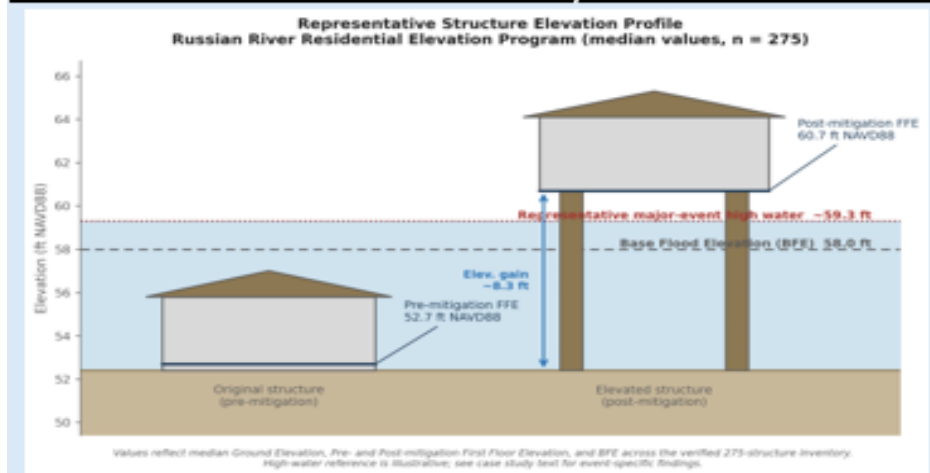
- Identify specific management tactics: the what, how, and when
- Guidance on funding and securing resources for implementation
- Establish a monitoring and evaluation framework
- Adjust strategies and incorporate new information, as conditions and knowledge evolve



## New Monitoring and Evaluation Example

Features loss avoidance case studies as examples for Phase 4 monitoring, including the **Russian River Loss Avoidance Study**.

**Figure 27. Representative pre- and post-mitigation elevation profile, based on median Ground Elevation, First Floor Elevation, and Base Flood Elevation values across the verified 275-structure inventory.**



### Monitoring Plan Recommendation

Consider structuring loss avoidance studies as a living, repeatable monitoring framework rather than a one-time analysis. The Russian River study's design illustrates how this can work: a verified structure inventory, including building

**Figure 28. Losses avoided by event and loss category, with cumulative program total. Each new flood event extends the monitoring record without re-deriving prior years.**



## How to Monitor and Evaluate Effectively – Best Practices

- **Streamline Information Collection:** Streamlining the collection of information is essential for effective climate adaptation monitoring. When possible, standardize measurable indicators across strategies to ensure consistency and avoid duplication of efforts. Centralize and organize all data points in a uniform system to ensure data is accessible to all users.



# 2026 ADAPTATION PLANNING GUIDE DRAFT

**DRAFT  
AVAILABLE  
HERE**



Public comment period ends  
**September 9, 2026.**

**PUBLIC COMMENT DRAFT**

## **2026 California Adaptation Planning Guide**

**July 27, 2026**

The Governor's Office of Emergency Services (Cal OES) is pleased to announce that the California Adaptation Planning Guide (APG) is being updated in partnership with the California Natural Resources Agency (CNRA) and Governor's Office of Land Use and Climate Innovation (LCI). As part of our commitment to Senate Bill 246 (SB 246), this guidebook is being revised to better support communities across the state. By sharing this updated guidance, we aim to foster collaboration, leverage collective expertise, and support effective local climate adaptation planning.

**Primary Objective of the guidebook:**

Provide local and regional governments and agencies with practical guidance, tools, and strategies to support climate adaptation planning, including coordination across jurisdictions, understanding climate impacts, conducting vulnerability assessments, engaging communities, improving public safety, and identifying actions to reduce climate-related risks.

Public comment period ends September 9, 2026.

Options for submitting written comments include:

Public Input form: [Form](#)

Email: [apg@caloes.ca.gov](mailto:apg@caloes.ca.gov)

Mail: Governor's Office of Emergency Services  
10370 Peter A. McCuen Blvd. (Building E)  
Mather, CA 95655

Questions or concerns about the content should be directed to  
[apg@caloes.ca.gov](mailto:apg@caloes.ca.gov).

# Your input is needed!

Public comment period ends  
**September 9, 2026.**

Options for submitting written  
comments include:

- Public Input form: [Form](#)
- **Email:** [apg@caloes.ca.gov](mailto:apg@caloes.ca.gov)
- **Mail:** California Governor's Office of  
Emergency Services  
10370 Peter A. McCuen Blvd.,  
Building E  
Mather, CA 95655





# ATTEND A PUBLIC WORKSHOP

## VIRTUAL

**THU AUG 6, 1:00–2:00 PM**  
**Virtual Session**  
**Hosted by Sierra Business Council**

**WED AUG 19, 7:00–8:00 PM**  
**Statewide Virtual Meeting**  
**Hosted by Cal OES**

## IN-PERSON

**WED AUG 26, 2:00–4:00 PM**  
**San Francisco, CA**  
**Hosted by MTC–ABAG**

**TUE SEP 1, 1:00–3:00 PM**  
**San Diego, CA**  
**Hosted by San Diego Regional Climate Collaborative**



# Adaptation Planning Guide

## 2026 Review Timeline



# 2026 ADAPTATION PLANNING GUIDE

## Thank you!

**Figure 17. Excerpt from the 2019 Karuk Climate Adaptation Plan**

***Pacific Giant Salamander / Púfpuuf / Dicamptodon tenebrosus***



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

Importance as Cultural Indicator

In Karuk beliefs, púfpuuf is a spiritual being who transformed into a salamander to monitor spring and creek water quality and quantity. The healthy presence of púfpuuf is indicative of a healthy riparian and aquatic fresh water ecosystem. Púfpuuf is central in Karuk culture - they're not a Karuk food source, but they are a

keeper of water that is critical to our life. Púfpuuf it has its own prayer in ceremonies related to how humans - as the only species capable of lighting a fire and making sure it doesn't get out of hand - can maintain balance in riparian systems. As a cultural indicator pacific giant salamander is connected to the transitional riparian habitat between the in-stream and the up-slope environments.

**Project Coordinator:**  
Annika Braucher  
State Mitigation Planning Unit, Cal OES  
[Annika.Braucher@CalOES.ca.gov](mailto:Annika.Braucher@CalOES.ca.gov),  
(916) 639-3619

**Organizational Contact:**  
[APG@CalOES.ca.gov](mailto:APG@CalOES.ca.gov)

[CA Adaptation Planning  
Guide | California  
Governor's Office of  
Emergency Services](#)

**State Hazard Mitigation  
Plan Contact:**  
[SHMP@caloes.ca.gov](mailto:SHMP@caloes.ca.gov)

# Welcome!

## San Fernando General Plan Amendments and Climate Action and Resilience Plan

---

*LCI TAC Quarterly Meeting: August 7, 2026*



Pacoima  
Beautiful



CA Governor's Office of  
Land Use and  
Climate Innovation



# Presentation Agenda

- 1 Project Overview
- 2 Adaptation Planning Guide
- 3 Outreach and Engagement
- 4 Equity Guardrails



The background image shows a two-story residential building with a light-colored facade and dark window frames. A large, leafy tree with green foliage is on the left side of the frame. In the foreground, there is a well-manicured green hedge and a concrete sidewalk. A solid blue rectangular overlay covers the middle portion of the image, containing the text 'Project Overview' in white.

# Project Overview

# Project Framework

- Three core deliverables:

1. Climate Adaptation and Resilience Plan
2. General Plan Element Updates
  - Open Space, Conservation, Parks, and Recreation Element
  - Mobility Element
3. CEQA Categorical Exemption

*Funded  
by LCI!*

## 2022 - 2026 Strategic Goals

*The strategic goals guiding the development of the fiscal year 2023-2024 budget are:*



I. FOCUS ON COMMUNITY FIRST



II. CULTIVATING A STRONGER LOCAL ECONOMY



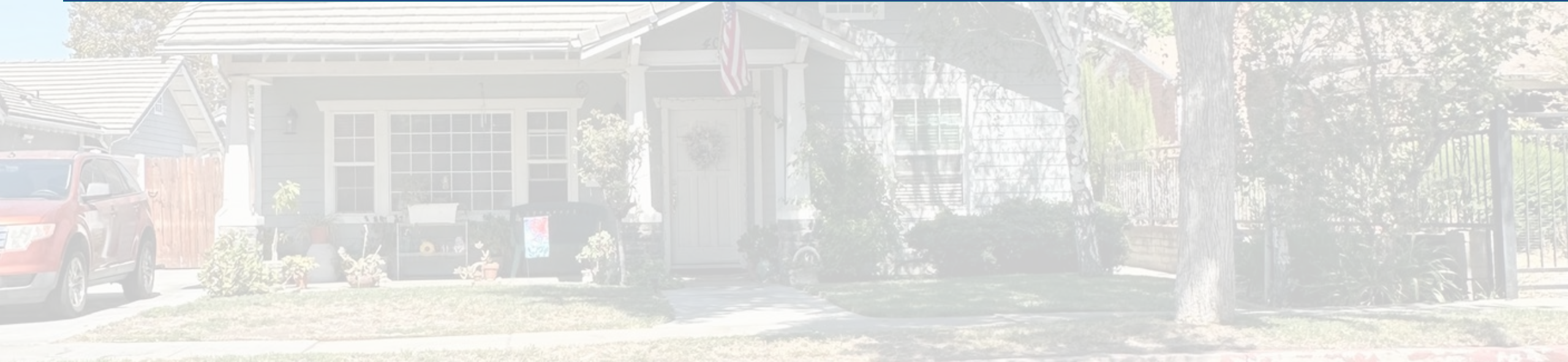
III. PRESERVE BEAUTIFUL HOMES AND NEIGHBORHOODS



IV. STRENGTHEN CLIMATE RESILIENCE AND ENVIRONMENTAL JUSTICE

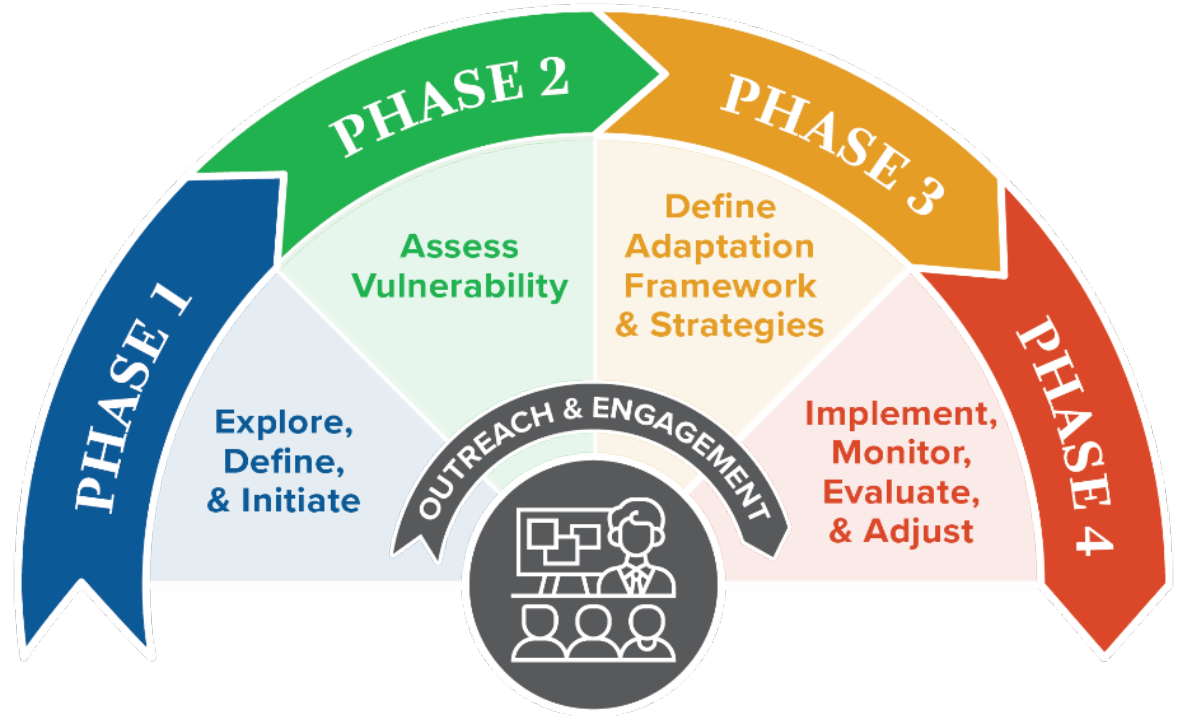


# Adaptation Planning Guide



# Alignment with State Guidance

- Approach to CARP was consistent with APG (2020) process
- Climate Vulnerability Assessment aligned with APG's scoring rubric
- Engagement was conducted at each phase



# Best Practices and Lessons Learned

- Identification of vulnerable populations relied on both State APG and the SoCal APG (SCAG, 2020)
- Engagement helped contextualize the results of the desktop research on population vulnerabilities
- Integrating equity considerations directly into the CARP measures and actions required an extra step



**Pregnant Women:**

Face increased risks during extreme weather conditions.



**Seniors (over 65 years old):**

More susceptible to heat-related illnesses.



**Individuals with Chronic Health Conditions:**

More vulnerable to climate-related health issues.



**Young Children (under 5 years old):**

Along with their parents and caregivers, they are at a higher risk during extreme heat events.



**Low-Income Households:**

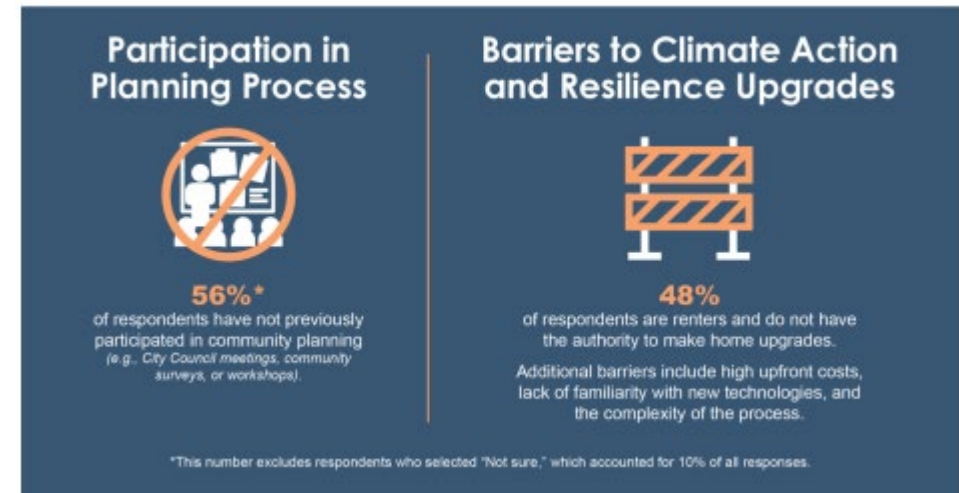
Have limited resources to adapt and recover from climate impacts.



**Minority Communities:**

May face additional barriers due to language and systemic inequities.

## Key Highlights from the Community Survey





# CCVA Data Detailed – Extreme Heat and Air Quality



## EXTREME HEAT & AIR QUALITY IMPACTS

### SAN FERNANDO ENVIRONMENTAL CHARACTERISTICS THAT INCREASE VULNERABILITY



SUBSTANDARD AND  
OVERCROWDED HOUSING AND  
HOUSING ECONOMIC BURDEN



CLOSE PROXIMITY  
TO FREEWAYS



LOW TREE  
CANOPY SCORE



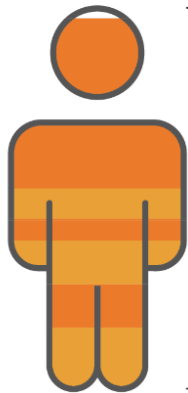
HIGH OZONE AND  
DIESEL PARTICULATE  
MATTER BURDEN



LOW PARKLAND  
PER RESIDENT  
RATIO

### VULNERABLE

#### POPULATIONS



96% Black, Indigenous,  
People of Color (BIPOC)

9% Individuals with Asthma

6% Young Children

12% Older Adults

12% People Who Are Differently Abled

14% Outdoor Workers

#### NATURAL AND RECREATION RESOURCES



STREET TREES AND URBAN CANOPY  
NEIGHBORHOOD AND COMMUNITY PARKS  
RECREATIONAL CENTERS

#### CRITICAL FACILITIES, BUILDINGS, SERVICES, AND INFRASTRUCTURE



MEDICAL  
FACILITIES



COMMUNITY  
CENTERS

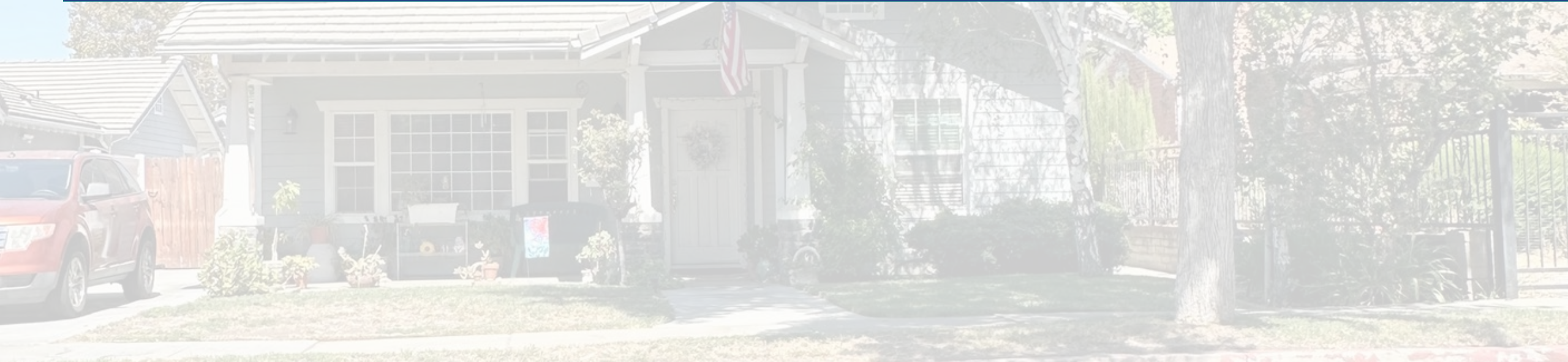


EMERGENCY SERVICES,  
INCLUDING POLICE  
& FIRE STATIONS



UTILITY  
INFRASTRUCTURE

# Community-informed Process



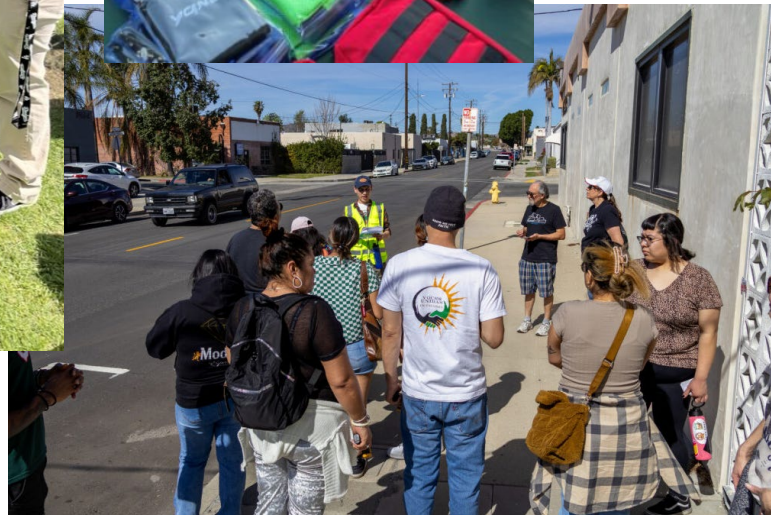
# Community Outreach by Phase



*Engagement activities were tied to each phase so community feedback continuously shaped the next stage of the plan.*



# Pop-ups In the Community



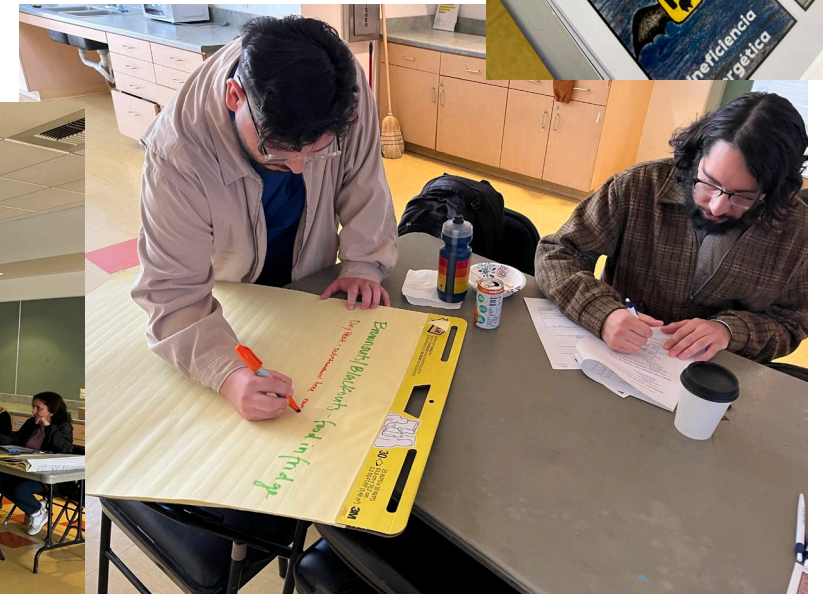


# Walkshops





# Workshops





# Survey

80%

of San Fernando community members are *very concerned or somewhat concerned* about climate change

55%

of participants participated in the planning process for the first time

## Transportation Habits



74%  
of respondents  
commute by gas- or  
diesel-powered cars



52%  
CONVENIENCE



18%  
AFFORDABILITY



16%  
SAFETY

Top three reasons for choice of transportation mode include:

## Encouraging Active Transportation

Respondents identified the following ways to encourage active commuting in San Fernando:



Improved active  
transportation  
infrastructure  
(e.g., safer sidewalks,  
bike lanes).



Bike or scooter  
share programs.



Shaded routes  
to protect  
against heat.



Improved access  
for people with  
disabilities.

## Participation in Planning Process



56%\*  
of respondents have not previously  
participated in community planning  
(e.g., City Council meetings, community  
surveys, or workshops).

## Barriers to Climate Action and Resilience Upgrades



48%  
of respondents are renters and do not have  
the authority to make home upgrades.  
Additional barriers include high upfront costs,  
lack of familiarity with new technologies, and  
the complexity of the process.

\*This number excludes respondents who selected "Not sure," which accounted for 10% of all responses.

## City of San Fernando Community Survey

Share your thoughts about the City of San Fernando's mobility, parks, and climate preparedness!  
Take this survey to be entered into a drawing for a \$25 gift card!



SCAN this QR Code to fill out the survey OR  
Use this link [bit.ly/cityofsfssurvey](https://bit.ly/cityofsfssurvey)



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# Advisory Group



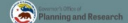
**ACEPTANDO SOLICITUDES GRUPO CONSULTIVO DE LA CIUDAD DE SAN FERNANDO**

¿Le interesa tener un impacto positivo en la ciudad de San Fernando?

**Fecha tope de prioridad**  
15 de octubre del 2024

**¿Preguntas?**  
Contacto: Gabriel Varela  
gvarela@climateresolve.org

**APLICAR** escaneando el CÓDIGO QR  
[bit.ly/cityofsfadvisorygroup](https://bit.ly/cityofsfadvisorygroup)  
O envíe el texto "Grupo consultivo" a (323) 546-9920



**ACCEPTING APPLICATIONS CITY OF SAN FERNANDO ADVISORY GROUP**

Do you have an interest in making a positive impact in the City of San Fernando?

**Priority Deadline**  
October 15, 2024

**Questions?**  
Contact: Gabriel Varela  
gvarela@climateresolve.org

**APPLY by Scanning the QR CODE**  
[bit.ly/cityofsfadvisorygroup](https://bit.ly/cityofsfadvisorygroup)  
Or Text "Advisory Group" to (323) 546-9920



**ACCEPTING APPLICATIONS CITY OF SAN FERNANDO ADVISORY GROUP**

Do you have an interest in making a positive impact in the City of San Fernando? We welcome you to apply to join the Advisory Group as the City of San Fernando works on updating its Climate Action and Adaptation Plan and the Circulation and Open Space/Parks Elements of the General Plan. The members of the Advisory Group will play a crucial role in providing valuable feedback and direction to the city during this important process from October 2024 to July 2025. There are three phases and will receive \$400 payment at each stage. Your participation will involve engaging with the community and attending dedicated meetings for the Advisory Committee. Resilient San Fernando is supported by the Adaptation Planning Grant Program implemented by the Governor's Office of Planning and Research.

**Priority Deadline to Apply**  
October 15, 2024

**Questions?**  
Contact: Gabriel Varela  
gvarela@climateresolve.org

**APPLY by Scanning the QR CODE**  
<https://bit.ly/cityofsfadvisorygroup>  
Or Text "Advisory Group" to (323) 546-9920

## Advisory Group Team Members

Ethereal

Gisel Pineda

Justan Torres

Maria Salgado

Melody Espinoza

Nora Rosete

Raymond Salas

Roxana Guzman



A photograph of a residential building with a balcony and a well-manicured hedge in the foreground. The building has a light-colored facade and a balcony with a wooden railing. A large tree with pink blossoms is on the left. A concrete sidewalk runs along the front of the property, bordered by a low concrete curb and a dense green hedge. The sky is clear and blue.

# Equity Guardrails



# Equity Guardrail Discussion

## Example Guardrails



# Equity Guardrail Development

## Strategy A: Electrify Buildings

- **Action 1** — Require 30% of existing residential buildings to shift from natural gas to electricity

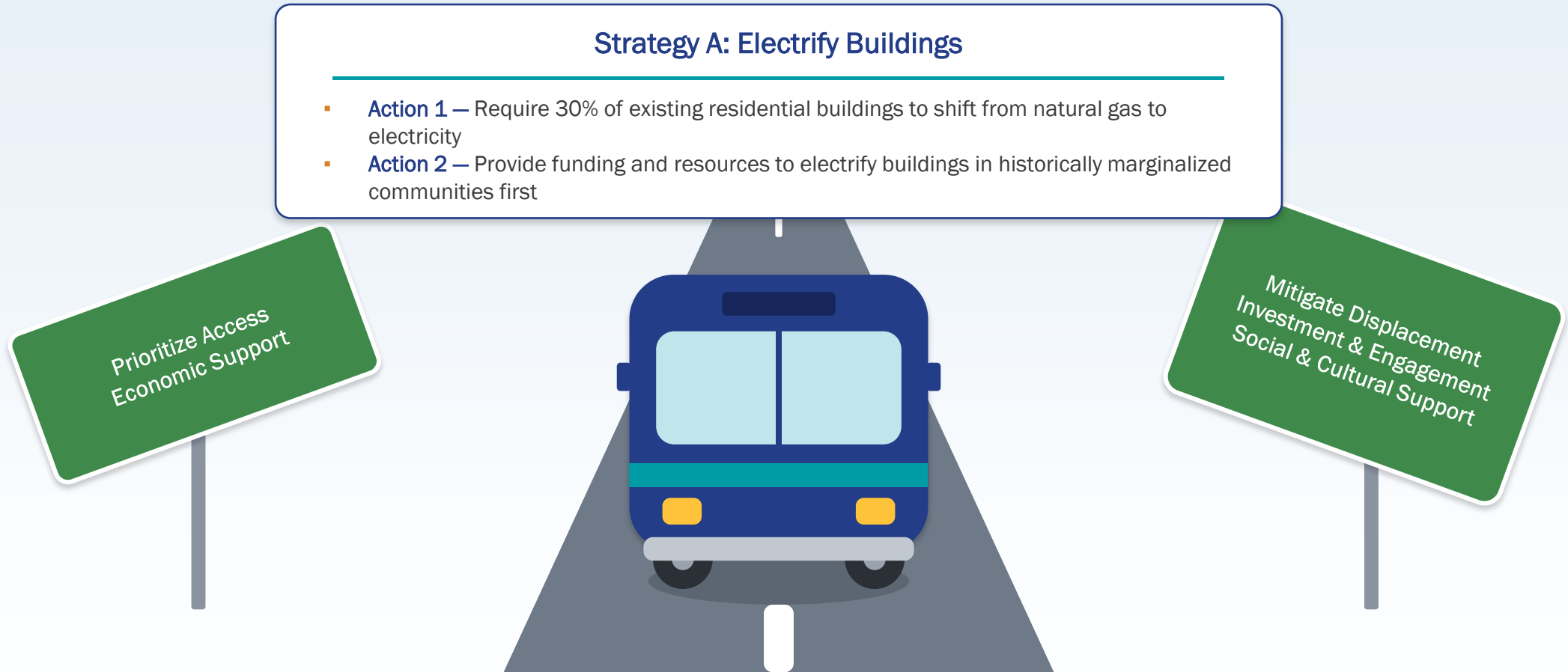
Does not  
pass  
guardrails!

Prioritize Access  
Economic Support

Mitigate Displacement  
Investment & Engagement  
Social & Cultural Support



# Equity Guardrail Themes





# Refining the Guardrails

## Strategy A: Electrify Buildings

- **Action 1** — Require 30% of existing residential buildings to shift from natural gas to electricity
- **Action 2** — Provide funding and resources to electrify buildings in historically marginalized communities first

Prioritize Access  
Economic Support

Mitigate Displacement  
Investment & Engagement  
Social & Cultural Support



# San Fernando Equity Guiding Principles

1. Fair and Inclusive Access to Resources and Opportunities
2. Sustainable City Revenue and a Vibrant Downtown
3. Cultural Resilience in Community Sustainability
4. Neighborhood Investment that Safeguards Housing Stability
5. Safe, Healthy, and Connected Communities

# Guardrail Integration

- Consistency review during measure and action development
- Alignment with community input
- Evaluation of benefits to vulnerable and historically underserved populations

**Measure:** Long-range goals that the City has established to reduce emissions and/or improve resilience in line with the State emission reduction goals and local resilience goals.

**Consistency:** Alignment with local/regional plans and programs, equity guardrails, and feedback received during various engagement efforts throughout the CARP's development.

Measure UE-1: Enhance the resilience of San Fernando's water systems by integrating stormwater management, potable water conservation, and equitable access to sustainable water resources, confirming all residents have reliable access to clean, safe, and affordable water as a basic human right.

## METRICS

- Net change in groundwater storage (acre-feet) relative to baseline year (2021)
- Number and percentage of income-qualified households enrolled in Low-Income Rate Assistance (LIRA) or similar programs
- # of square feet of drought landscape conversions completed through City programs
- # of green infrastructure projects informed by community or Tribal input

**Table 19 Measure UE-1 Actions**

| Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Lead Department(s) | Phase | Pillar                                       | Climate Hazard      | Consistency                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------|----------------------------------------------|---------------------|---------------------------------------------------|
| UE-1.1 Enhance the resilience of San Fernando's groundwater system by investing in aquifer recharge, infrastructure modernization, and sustainable yield management. Conduct a groundwater vulnerability assessment to identify wells at risk from drought, contamination, or declining yields, and prioritize upgrades such as well rehabilitation, backup power systems, and drought-resistant pumping controls. Coordinate with Los Angeles County, Los Angeles Department of Water and Power, and the Upper Los Angeles River Area Integrated Regional Water Management Group to explore opportunities for stormwater capture and recharge projects, expanding local storage and improving water reliability under future climate conditions and increased water demand. | CM, PW             | 1     | Structural Change, Feasibility, Partnerships | Stormwater Flooding | Advisory Group Feedback, Community Survey Results |
| UE-1.2 Complete ongoing monitoring of nitrate levels in the City's water supply and investigate new technologies or practices that could further improve system performance and community protection. Alongside monitoring, implement a public education program to share results transparently.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PW                 | 1     | Education                                    | N/A                 | Annual Water Quality Report, Community Survey     |

**Climate Hazards:** Specific climate hazards that impact the City and which actions will provide a direct resilience benefit to San Fernando's climate vulnerabilities.

**Actions:** Discrete steps the City will take to achieve the measures.

**Metrics:** Metrics identified to track progress associated with each measure.

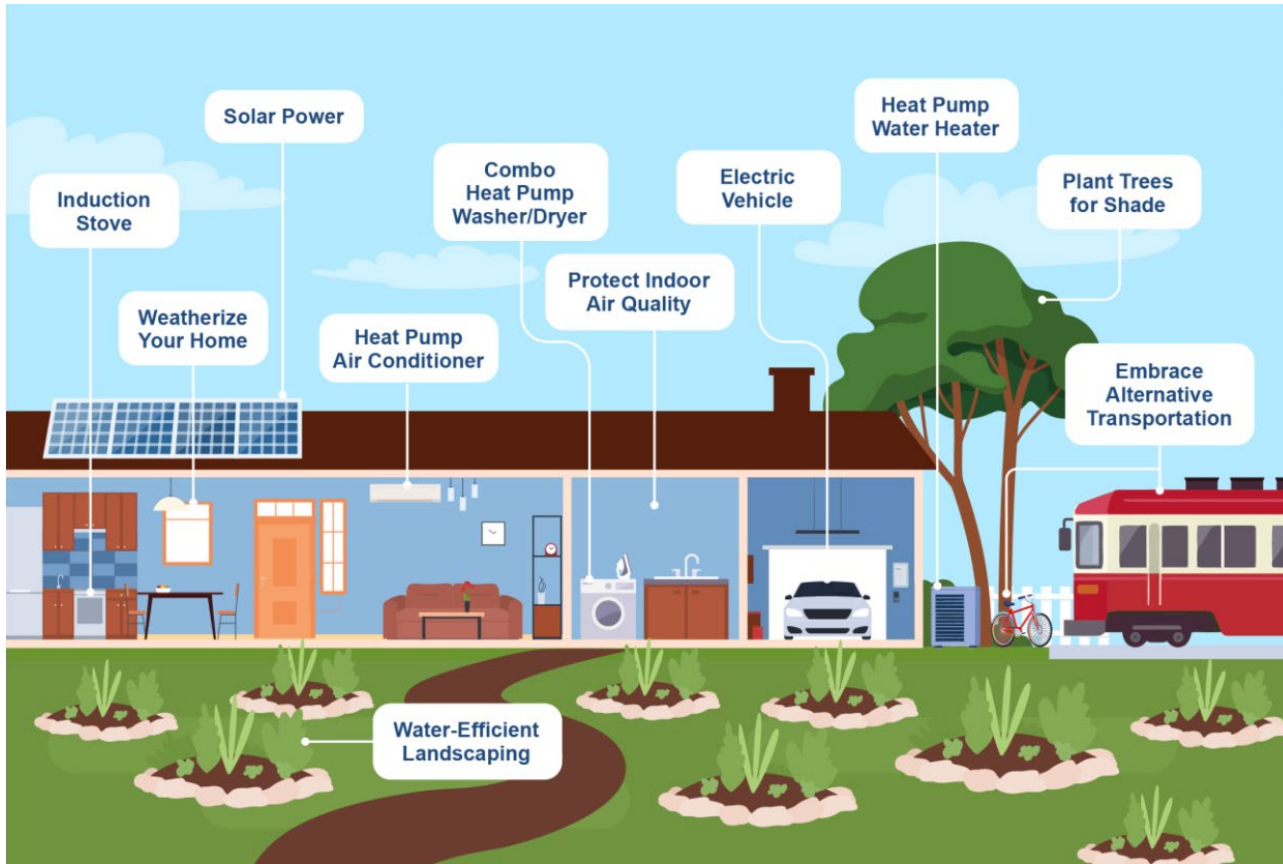
**Lead Department:** City Department leading implementation of specific action.

**Phase:** Anticipated implementation timeframe to achieve reduction goals.

**Pillar:** Reasonable, resilient, and equitable climate action and adaptation planning is built on key pillars that are essential for effective implementation.



# Where to do we go from here?



- Continue to foster community partnerships
- Identify and pursue grant funding
- Support community implementation and information sharing
- Track and monitor progress

# Thank you!



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CA Governor's Office of  
Land Use and  
Climate Innovation

# Item 8 | Discussion



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



# Item 9 | General Public Comment



CA Governor's Office of  
Land Use and  
Climate Innovation

# Item 10 | Closing and Adjourn



CA Governor's Office of  
Land Use and  
Climate Innovation

# Thank You for Joining!

## CONTACT

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

## FUTURE MEETING DATES

**October 23**

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



## STAY CONNECTED



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