

Emerging Hazards

A presentation from our state agency partners sharing the latest on hazard mitigation for emerging hazards like extreme heat and drought.

INTRODUCTIONS

- Braden Kay, LCI
- Walker Wieland, OEHHA



Program Vision

This program will offer planning and implementation grants for heat relief and long-term resilience to extreme heat.

Supporting a statewide movement to build resilience to extreme heat through:

- placemaking & place-keeping
- immediate response & long-term resilience
- job creation
- protecting the health of Californians who are most vulnerable to extreme heat

Action Tracks



Build Public Awareness and Notification

Ex. Heat awareness and education strategies, emergency alerts and early warning, and data accessibility and heat modeling



Strengthen Community Services and Response

Ex. Cooling centers and resilience hubs, community infrastructure, and support for local and regional extreme heat response plans



Increase Resilience of Our Built Environment

Ex. Infrastructure, building retrofit, cool roof and pavement technologies, and air conditioning



Utilize Nature-based Solutions

Ex. Community greening and gardens, urban forestry, and greenbelts

California's Extreme Heat Public Awareness Campaign



- **WHAT** – [Heat Ready CA](https://www.heatreadyca.com) is multiethnic public education campaign to help residents prepare and stay safer from extreme heat
- **WHO** – Focuses on communities most at risk
Older adults, young children, pregnant people, those with chronic health conditions or living with disabilities, urban residents, outdoor workers, and unhoused residents
- **WHERE** – Informed by research, Heat Ready CA includes a statewide advertising campaign and community outreach
A trusted messenger network of more than 140 community-based organizations conducting outreach in nearly every county and 30+ languages
- **When** – May - October



Resources

HeatReadyCA.com

- Make a personalized heat plan
- Access your risk
- Connect with statewide and local resources
- Toolkits for easy sharing

Ethnic Media Outreach

- **Informational briefings** with meteorologists and new directors
- **Forums** to dive deep into extreme heat with state experts
- **Fellowships** with reporters



Are you Heat Ready, California?

Heat is deadlier than any other weather hazard. Be prepared for extreme heat events and find resources to help you stay safe.

What is Extreme Heat?

An extreme heat event is two or more days and nights of unusually high heat for your region. California is experiencing more frequent episodes of extreme heat, creating a greater danger to Californians from heat-related illness.

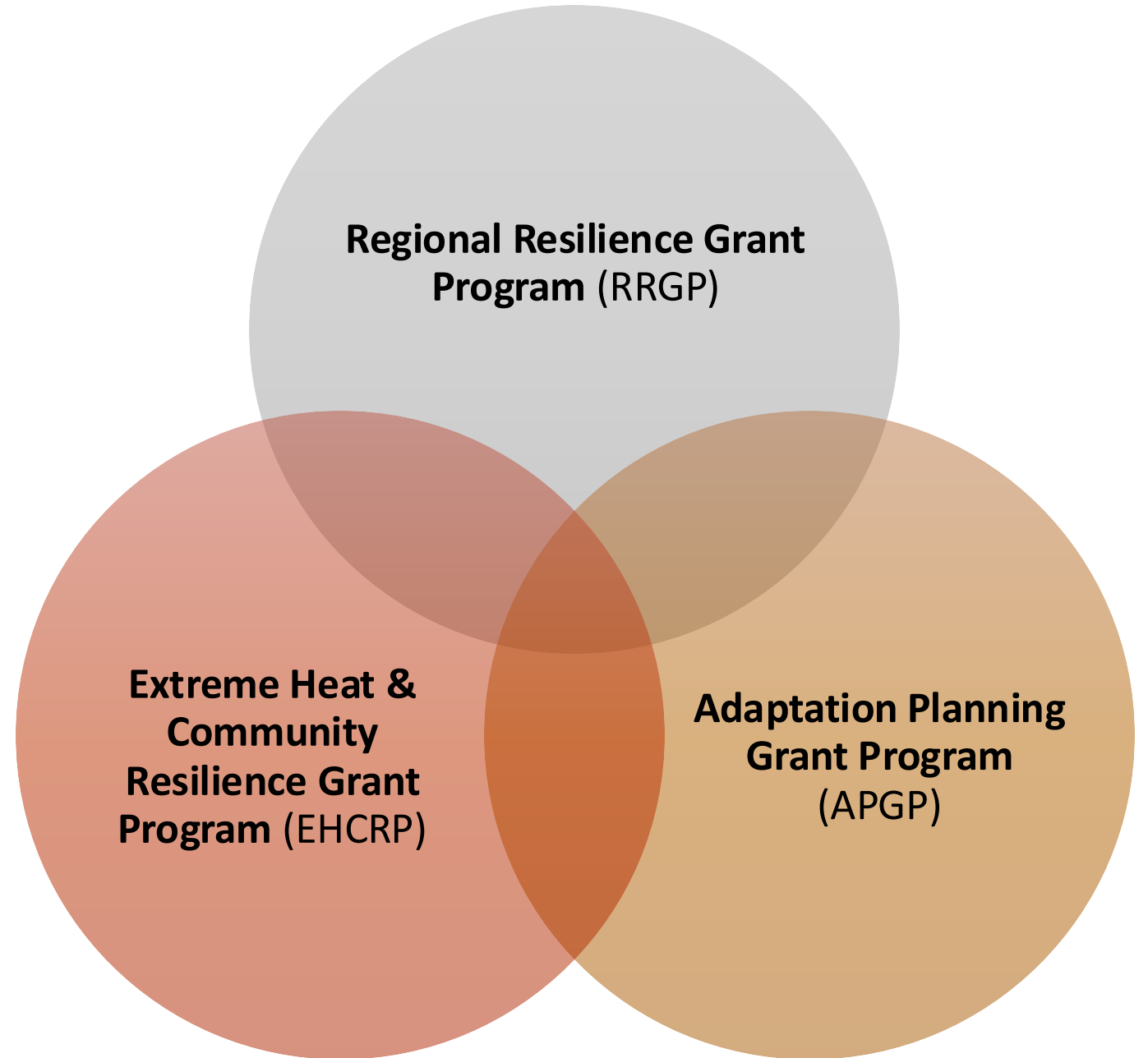
How to Stay Informed

Check the local news and resources for weather forecasts, extreme heat alerts, and cooling centers.

Find additional resources to help handle the heat.

[Scroll down to resources](#)

ICARP Grant Programs





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Program Values

Place and Belonging

Enterprise and Job Creation

Indigenous Land Stewardship

Co-benefits and Systems Thinking

Inclusion and Language Justice

Support Technology Dev & Innovative Design

Harm Reduction and Healing

Community Resilience for All Hazards

Eligible Applicants

- Local Public Entities
- California Native American tribes
- Community-Based Organizations (CBOs)
- Public Academic Institutions
- Coalitions of Non-profits

Overview

Small Planning Grants

\$100,000-\$250,000

\$3 Million Total

Small Implementation Grants

\$100,000-\$450,000

\$3 Million Total

Large Planning Grants

\$300,000-\$750,000

\$5 Million Total

Large Implementation Grants

\$500,000-\$4 Million

\$9 Million Total

Implementation Grants

Track A: Build Public Awareness and Notification

- Neighborhood resilience events
- Educational programming
- Assistance applying for and receiving community services
- “Cool Buddy” programs
- Placemaking projects and informational signage
- Art and culture projects for awareness
- Youth empowerment and leadership
- Public awareness camp

Track B: Strengthen Community Services and Response

- Mutual Aid
- Basic first aid training
- Heat survival packs
- Home energy saving toolkits
- Community Resilience Center Activities
- Transportation to/from community resources during heat events
- Environmental monitoring systems
- Apprenticeships

Implementation Grants

Track C: Increase Resilience of our Built Environment

- Cool and smart surfaces
- Shade structures
- Water fountains
- Splash pads
- Transit shelters (shade and cooling enhanced)
- Active and passive cooling infrastructure in key community buildings and resilience hubs
- Cool home pilot projects

Track D: Utilize Nature-based Solutions

- Tree planting
- Residential tree program
- Tiny forests
- Cool community gardens
- Green stormwater infrastructure pilots
- Nature-based playgrounds or shaded playgrounds
- Cool ecosystems work
- Maintenance for nature-based solutions

Moving Forward



Radical Inclusion

Demonstrate inclusion through deep investment in language justice, racial equity-centered approaches, LGBTQ+ centered programs, indigenous knowledge informed design and solutions focusing on access and functional needs communities



Holistic Community Resilience

Use data and vulnerability assessments while enhancing existing assets and practices that support community connections and using existing skills and knowledge.



New Economy Workforce Development

Fund projects that support solutions that create work in indigenous land stewardships, the healing arts and social work, and creative facilitation and art/culture making.



Permanently-funded Landscape Transformation

In addition to funding pilot projects we need changes in building codes and landscape/stormwater standards, while investing in infrastructure by creating long-term funding streams (i.e. Tucson Storm to Shade program)



EHCRP Contact Information

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Listserv Sign Up



Roundtable Sign Up

CalHeatScore (AB 2238)

Office of Environmental Health Hazard Assessment



AB 2238

- Calls on Cal EPA: create CalHeatScore.
 - Weather data + associated heat health impacts.
 - Tailor to local climates.
 - Set thresholds for action to reduce health risks.
- Office of Planning and Research: outreach for CalHeatScore.
- CA Department of Insurance: study to better insure heat risks.
- CA Department of Public Health: support local guidance on adaptation and resilience.



CalHeatScore will...

- Forecast coming heat events and score them by severity.
- Help people prepare and plan for extreme heat events.
- Connect communities, including low-income communities and communities of color, with locally relevant resources.



CalHeatScore will achieve this by...

- Providing a user-friendly web interface.
- Mapping heat impacts across California communities.
- Using high-quality data and being transparent in tool methods and process.
- Setting local rankings by accounting for factors like:
 - Variations in climate & multiple measures of heat.
 - Vulnerable populations & different health responses.



CalHeatScore and HeatRisk

- Planning ongoing coordination and collaboration with NWS/NOAA and CDC
- CalHeatScore: local focus
 - HCAI ZIP code data on heat-related morbidity
 - Mapping of locally useful resources
 - Public health tool positioned to support most vulnerable
 - Informed by community input
 - Future: add vulnerability and exposure factors to model
 - AB 2238 includes policy recommendations from OEHHA
- CalHeatScore and HeatRisk should validate one another



Zip Code Specific Information

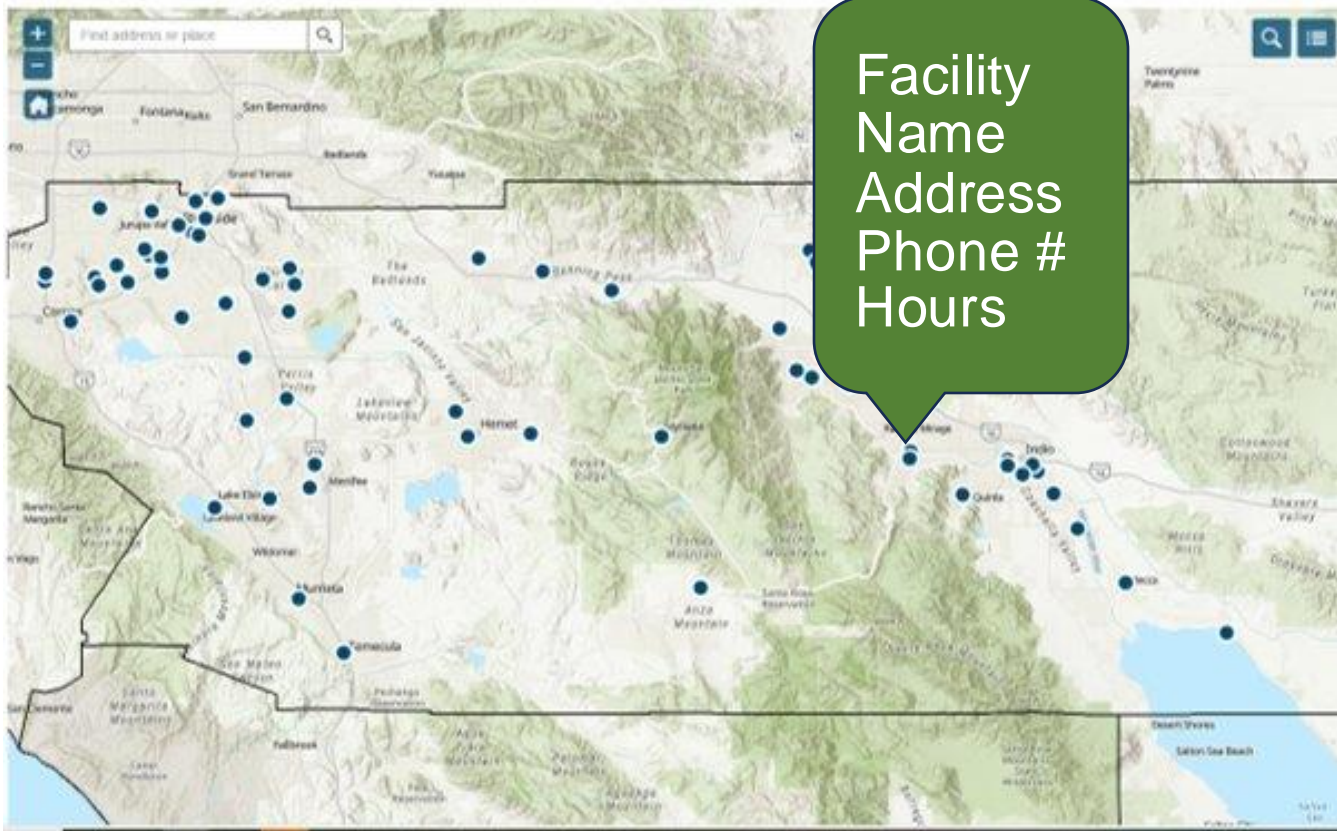


Zip Code
Population Size
CalHeatScore Value
Predicted high and low temps
Average high temp
Record high temp

Infographics:
- Race/Ethnicity Profiles
- Age Profiles
- Income Profiles

Consider county levels of exposure and vulnerability

Supplemental Map Layers: Cooling Centers



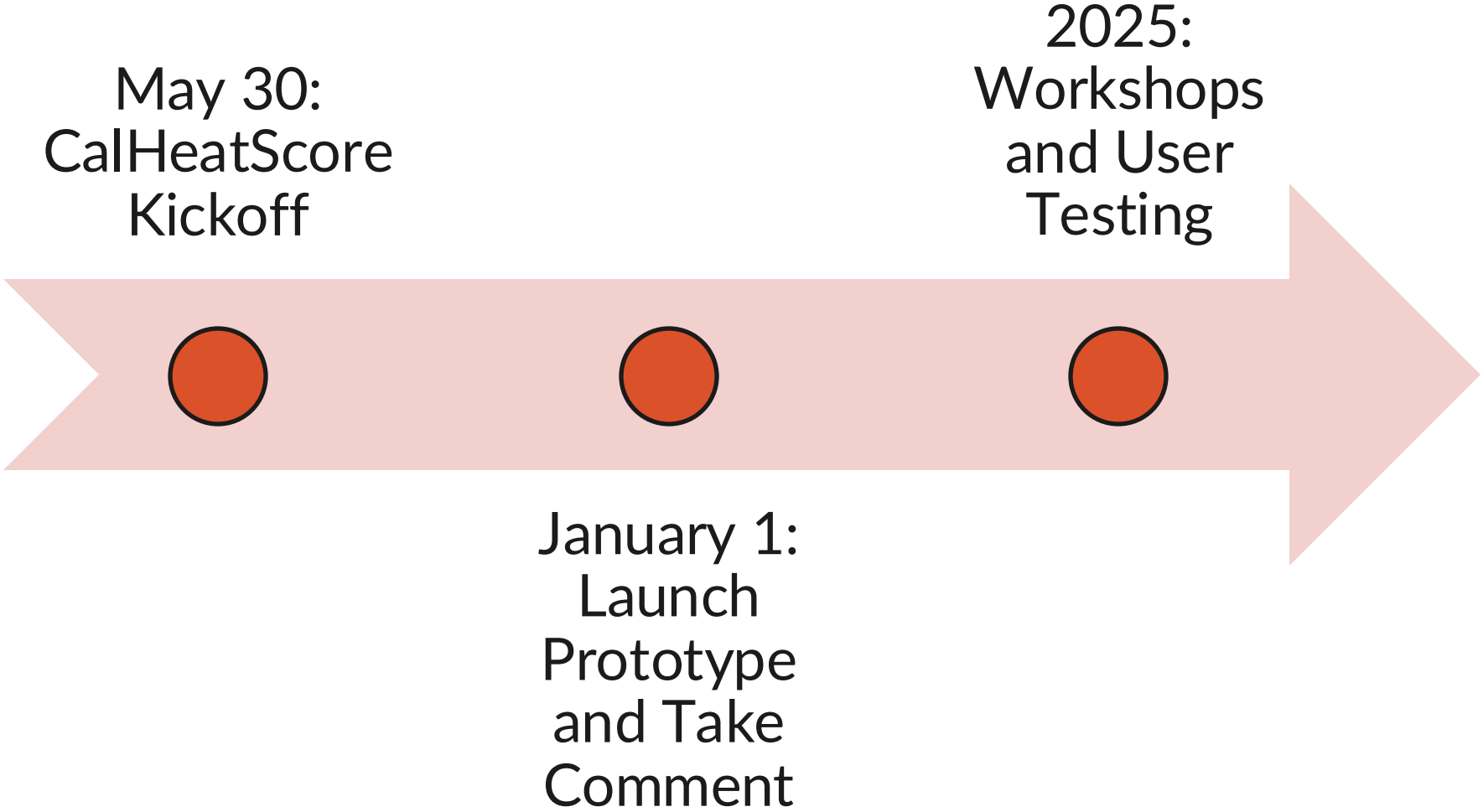
Additional Potential Layers

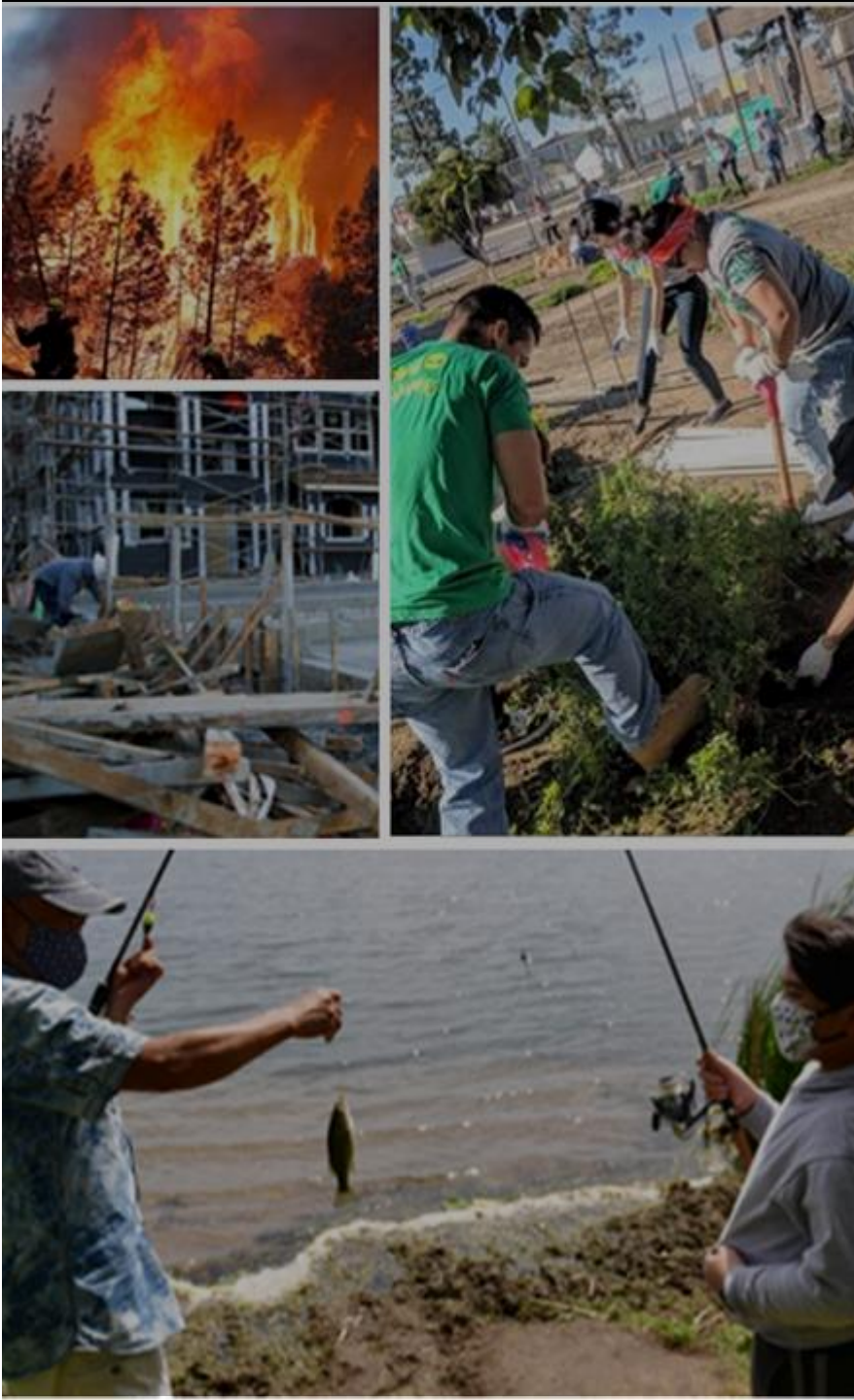
- Libraries
- Emergency Departments
- Urban Heat Island Locations
- SB 535

Disadvantaged Communities

- Pools/Splash Pads
- Senior Centers
- Community Centers

Public Engagement Roadmap





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