

# Monterey Bay Climate Adaptation Action Network

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**MBCAAN**

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# NOAA CRRC GRANT - OVERVIEW

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- Five-year, **\$71.1 mil** NOAA grant - Climate Resilient Monterey Bay
- **Purpose:** The California Marine Sanctuary Foundation is leading a collaborative, multi-institutional project to build climate resilience for the Monterey Bay area's low-lying, coastal communities threatened by sea level rise, storm surge, and flooding. The project focuses on Santa Cruz and Monterey Counties, specifically addressing the needs of coastal communities impacted by storm surge, sea level rise, and flooding from the San Lorenzo, Pajaro, Salinas, and Carmel rivers, as well as areas prone to wildfire in the coastal watersheds.
- **Four Main Adaptation Strategies:**
  - > Regional Collaboration and Capacity Building
  - > Flood Risk Reduction
  - > Workforce Development
  - > Wildfire Risk Reduction
- ***Economic impact report*** - *Over the course of 5 years, the Climate Resilient Monterey Bay grant will generate an estimated 705 jobs and \$126.3 million in total economic output. Of these totals, 597 jobs and \$100.9 million in economic output will benefit the state of California directly with the remaining amounts accruing to other states. Overall, for every \$1 of CRRC spending through the California award, \$1.88 in economic activity is generated at the national scale.*



# Climate Resilient Monterey Bay



## Vision for Resilience

We envision the Monterey Bay region over the next 100+ years with thriving natural resources, resilient community infrastructure, ample access to coastal parks and open space, and a flourishing economy.

We envision the Monterey Bay region having the adaptive capacity to accommodate rising sea levels, storm surges, and larger, flashier fluvial floods.

We envision naturally functioning dune systems, wetlands, marshes, and floodplains creating accommodation space to reduce the vulnerability of coastal communities and agricultural working lands.

We envision our coastal forests being healthy, well-managed, and more resilient to high-severity wildfires.

We envision our communities having the local knowledge, skills, and workforce necessary to build resilient infrastructure and improved adaptive capacity for future climate hazards.

We envision our local governments, Tribes, organizations, academic institutions, business groups, and community members working collectively, inclusively, equitably, and collaboratively towards this unified vision of climate resiliency.

# CRMB GRANT PARTNERS (MBCAAN CHARTER MEMBERS)



ASSOCIATION OF  
MONTEREY BAY AREA  
GOVERNMENTS



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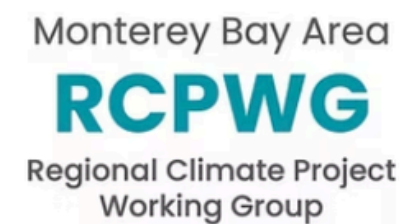
Watsonville  
Wetlands Watch



HARTNELL  
COLLEGE



SANTA CRUZ COUNTY



# CLIMATE RESILIENT MONTEREY BAY

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## *Fire Risk Reduction*

Five fire risk reduction projects will be supported across 7,150 acres, including installation of six miles of shaded fuel breaks, fuel load reductions, and prescribed and cultural burning to reduce high-severity wildfire risk.



## *Flood Risk Reduction*

Ten projects will improve the condition and function of habitats on the coast, in estuaries and along rivers to moderate extreme flood flows, designed to deliver benefits to some of the most vulnerable communities in the state, including the City of Watsonville and the communities of Pajaro and Castroville.



## *Workforce Development*

Grant funds support workforce development through collaborative efforts lead by Watsonville Wetlands Watch, Hartnell College, California State University Monterey Bay (CSUMB), and University of California Santa Cruz (UCSC).



## *Monterey Bay Climate Adaptation Action Network*

MBCAAN serves as a forum for active information sharing and planning among jurisdictions, develops regional climate adaptation strategies, identifies and pursues funding for projects, and monitors the Implementation and effectiveness of adaptation actions.





# ROLE OF MONTEREY BAY CLIMATE ADAPTATION ACTION NETWORK (MBCAAN)



- **Inclusive and Equitable participation** in the development of climate resilience policies and adaptation actions: broad and inclusive engagement and participation of marginalized communities and Tribal groups, local and regional governments, researchers, non-government organizations, business groups, community groups, and other stakeholders around the Monterey Bay area through *Quarterly Meetings, workshops, stakeholder convenings where meaningful conversations lead to collaborative actions.*
- **Support 3 existing climate collaboratives:** Monterey Bay Area Climate Justice Collaborative, Monterey Bay Regional Climate Project Working Group, Central Coast Climate Collaborative
- **Regional Resiliency Planning** - MBCAAN members will identify projects, and pursue grant funds to implement those activities beyond current NOAA grant funded projects
- **Workforce Development** - Identify regional workforce needs, and develop programs to train and build a workforce with the knowledge base and skillsets needed for addressing regional climate risks
- **MBCAAN Advisory Committee** - Convened to prioritize projects and provide recommendations for loan funds, via the **Monterey Bay Climate Adaptation Revolving Fund**
- **Regional Monitoring Hub** - Will monitor and track effectiveness of adaptation actions

# A Region Awash in Regional Resiliency Planning!

## SO MANY PLANS

- Sea Level Rise
- Climate Action Plans
- DWR California Water Plan
- Regional Collaboration
- Roadmaps
- 30 x 30 Goals

RCPWG – Planning and Project Prioritization

## ADAPTATION MEASURES DIRECTLY ADDRESSED BY SELECTED PROJECTS

**1 Community Resilience Hubs**  
to enhance community preparedness and resilience to climate emergencies/disasters

**5 Climate Resilience Workforce Dev.**  
to provide training and job transition support into climate resilience sectors

**2 Critical Infrastructure Upgrades**  
to improve built environment resilience by addressing critical at-risk infrastructure

**6 Energy Resilience**  
to strengthen community resilience to power outages and enhance grid stability

**3 Climate Resilient Housing**  
to alleviate development pressure in the Wildland Urban Interface (WUI)

**7 Stormwater Management**  
to increase stormwater diversion and management capacity to reduce flood risks

**4 Disaster Recovery Support**  
through a new disaster relief funding pool and local disaster response improvements

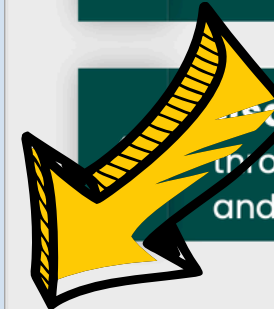
**8 Coastal Resilience**  
to reduce coastal flooding risks by implementing nature-based solutions



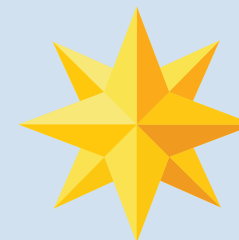
**Integrated Watershed Restoration Program**  
For Santa Cruz, San Mateo and Monterey Counties



**Monterey Bay**  
Climate Adaptation  
Action Network



**NORTH STAR**





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San Antonio Dam Spillway

# Achieving A Climate Resilient Monterey Bay

**In 50 years?**      **In 100 year?**



**Monterey Bay**  
Climate Adaptation  
**Action Network**



- **How can MBCAAN as a collaborative network support your work?**



- **What topics would you like to see in addressed at an upcoming MBCAAN Meeting?**

# Thank you!

ENVISIONING A CLIMATE RESILIENT MONTEREY BAY



**Monterey Bay**  
Climate Adaptation  
**Action Network**



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