



2021

MONTEREY COUNTY
MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

Presented By:
Monterey County Office of Emergency Services

AGENDA

- Purpose of Hazard Mitigation Planning
- The Plan
- 2020-21 Hazard Mitigation Plan Update
- Public Outreach
- Next Steps





“Protect the public **health, safety, quality of life, environment, and economy** of Monterey County by **reducing** the long-term risk of **damage and loss** to known hazards through coordinated planning, partnerships, capacity building, and implementation of effective **risk reduction** measures.”



WHAT IS A HAZARD MITIGATION PLAN?

A mitigation plan establishes a broad **local vision and guiding principles** for reducing hazard risk, and proposes specific mitigation actions to eliminate or **reduce identified vulnerabilities**.

HISTORY

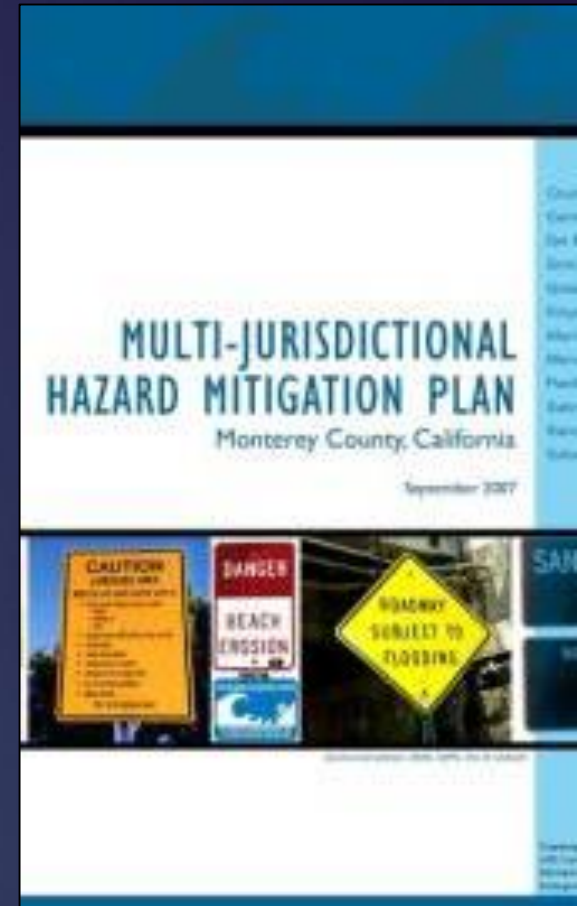
- **2007** First Multi-jurisdictional Hazard Mitigation Plan
- **2016** Update
- **2021** Update process will be led by Monterey County; All 12 cities participate in the planning process, includes special districts



Monterey County
Multi-Jurisdictional Hazard Mitigation Plan



FINAL
June 2015
Prepared by: The Monterey County Hazard Mitigation Planning Team with Professional Planning Assistance from AECOM



DISASTER PLANS

Hazard Mitigation Plan

- Proactive
- Develops actions to reduce or eliminate risk from future hazard events
- Identifies implementation priorities based on in depth local hazard assessment

Emergency Operations Plan

- Reactive
- Establishes overall operational concepts
- Details emergency management for significant emergency or disaster

Hazard Mitigation v. Climate Adaptation

- ▶ A sustained action taken to reduce or eliminate the long-term risk to human life and property through actions that reduce hazard, exposure, and vulnerability
- ▶ Actions taken to reduce or prevent exposure to hazard altogether.
- ▶ Adjustment in natural or human systems in response to actual or expected climatic stimuli
- ▶ Focused on long-term threats to human life, property, economic continuity, ecological integrity, and community function
- ▶ Adaptation is actions taken to reduce negative impacts

Climate Change Requirements

SB 379 requires that cities and counties update the Safety Element of their General Plan to address climate adaptation and resiliency strategies applicable to their jurisdiction on or after January 1, 2017.

The Safety Element update must include:

- A vulnerability assessment identifying the risks that climate change poses to the local jurisdiction.
- A set of goals, policies, and objectives based on vulnerability for the protection of the community.
- A set of feasible implementation strategies to carry out the goals, policies, and objectives.

Jurisdictions can meet the requirements of SB 379 by including climate change in their LHMPs and adopting their LHMP into the safety element of their General Plan.



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Identified Hazards

Agricultural

Climate Change/ Sea Level Rise

Coastal Erosion

Dam Failure

Drought

Earthquake

Flood (includes Coastal Storm)

Hazardous Materials Event

Landslide

Tsunami

Wildland Fire

Windstorm



Exacerbate Existing Hazards

- Wildfires
- Flooding
- Coastal Erosion
- Landslides and Debris Flows
- Extreme Heat and Drought
- Human Health Hazards
- Mass Migration



MITIGATION GOALS

1. **Whole community** disaster-resistance.
2. Protect and enhance **critical infrastructure and key resources**.
3. Encourage **natural systems protection**.
4. Provide **regulatory tools**.
5. **Integrate** hazard mitigation principles into daily practices.
6. Increase **public education and awareness**.
7. Create a **culture of resiliency**.



HAZARD MITIGATION ACTIVITIES



PLANNING AND OUTREACH

- Local Plans and Regulations
- Education and Awareness Programs



PROJECTS

- Structure And Infrastructure Projects
- Natural Systems Protection

Mitigation Strategies- Carmel-by-the-Sea

Action Number/ Description

1. Identify hazard-prone critical facilities and infrastructure and carry out acquisition, relocation, and structural and nonstructural retrofitting measures as necessary.
2. Develop a sustained public outreach program that encourages consistent hazard mitigation content. For example, consider publishing tsunami inundation maps in telephone books, wildland fire defensible space tips with summer water bills, and the safe handling and disposal of hazardous waste and chemicals with garbage bills.
3. Develop an unreinforced masonry grant program that helps correct earthquake-risk nonmasonry building problems, including chimney bracing and anchoring water heaters.
4. Continue to conduct current fuel management programs and investigate and apply new and emerging fuel management techniques.
5. Develop and provide funding and/or incentives for defensible space measures (e.g., free chipping day, free collection day for tree limbs).
6. Work with the Utility Companies (especially PG&E) to build and strengthen relationships to improve communication regarding emergency situations and develop an emergency response plan that includes all emergency responders and 911 communications.

OUTCOMES

- Protect **life and property**
- Minimize **economic** losses
- Enhance community **resiliency** and **sustainability**
- **Reduce burden** on local governments, and taxpayers
- Break the cycle of repetitive **disaster damages**
- Speed disaster **recovery** and **redevelopment**
- Integrate hazard mitigation with other local planning and decision-making activities
- Comply with federal and state requirements, and to qualify for **additional grant funding**



Monterey County Office of Emergency Services

Stakeholders

Steering Committee

Technical
Advisory

- Monterey County
- Carmel-by-the-Sea
- Del Rey Oaks
- Gonzales
- Greenfield
- King City
- Marina
- Monterey
- Pacific Grove
- Salinas
- Sand City
- Seaside
- Soledad
- Monterey County Water Resources Agency
- Monterey One Water
- Carmel Wastewater District

WORKPLAN

<u>Milestone</u>	<u>Timeframe</u>
Community & Public Outreach	May 2019 – March 2021
Update Period	January 2020 – October 2020
Stakeholder Review	October 28, 2020-December 1, 2020
Public Review	January 1 – February 1, 2021
Submit to CalOES For Review	February 2021
Approval	March 2021 – December 2021
Adoption	December 2021 – December 2022
Closeout	January 2023

COMMUNITY INVOLVEMENT

- Website
- Public Survey
- Community Meetings
- Public Review Period / Submit Comments
- Presentations to Governing Bodies

MONTEREY COUNTY OFFICE OF EMERGENCY SERVICES

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MONTEREY COUNTY HAZARD MITIGATION

Hazard mitigation is the effort to reduce loss of life and property by lessening the impact of disasters. It is most effective when implemented under a comprehensive, long-term mitigation plan. State, tribal, and local governments engage in hazard mitigation planning to identify risks and vulnerabilities associated with natural disasters, and develop long-term strategies for protecting people and property from future hazard events. Mitigation plans are key to breaking the cycle of disaster damage, reconstruction, and repeated damage.

2021 Planning Process | Public Participation | Documentation and Resources | Plan Regulations

Hazard Mitigation Overview

Monterey County is potentially vulnerable to a wide range of natural and man-made hazards. These hazards can threaten the life and safety of residents and visitors, and have the potential to damage or destroy both public and private property and disrupt the local economy and overall quality of life. While the threats from hazard events may never be fully eliminated, there is much we can do to lessen their potential impact on our communities. By minimizing the damaging impacts of hazards upon our built environment, we can prevent such events from resulting in disasters. The concept and practice of reducing risks to people and property from known hazards is called hazard mitigation.

Purpose

The general purpose of this Monterey County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) is:

- To protect life and property by reducing the potential for future damages and economic losses that result from known hazards;
- To qualify for additional grant funding, in both the pre-disaster and post-disaster environment;
- To speed recovery and redevelopment following future disaster events;
- To sustain and enhance existing governmental coordination throughout Monterey County and demonstrate a firm local commitment to hazard mitigation principles; and
- To comply with federal and state requirements for local hazard mitigation plans.

Hazard Mitigation Activities

Structural related measures include activities such as strengthening or protecting buildings and infrastructure from the destructive forces of potential hazards, or in some cases, such as flood control, physically altering the natural course of the potential hazard itself to attempt to minimize the potential impact.

Non-structural related measures include activities such as the adoption of sound land use or floodplain management policies and the implementation of public awareness programs.

PROTECT THE PUBLIC HEALTH, SAFETY, QUALITY OF LIFE, ENVIRONMENT, AND ECONOMY OF MONTEREY COUNTY BY REDUCING THE LONG-TERM RISK OF DAMAGE AND LOSS TO KNOWN HAZARDS THROUGH COORDINATED

Give Us Your Feedback

Public involvement process is essential to the development of an effective plan. Submit comments on the plan during the drafting stage and prior to plan approval.

Submit Comments

Previous Hazard Mitigation Plans

2016 Plan



THANK YOU

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<http://www.co.monterey.ca.us/government/departments-a-h/administrative-office/office-of-emergency-services/hazard-mitigation>