



# **El Dorado County Hazard Mitigation Plan**

Public Workshop #2

**Date:** 18 April 2024 5:30 p.m. – 7:30 p.m. PST Meeting at: Microsoft Teams Meeting (see meeting information in the calendar invite)

**Project:** County of El Dorado Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) Update Public Workshop #2

## **Agenda Topics**

## 1. Introductions

Ms. Juliana Prosperi opened the meeting by introducing the WSP team. Scott Bare then introduced his team at the El Dorado County Office of Emergency Services (OES). Ms. Prosperi presented an overview of the meeting format and an outline of the presentation agenda. Ms. Prosperi discussed the meeting etiquette and an overview of the Microsoft Teams presentation software. She then introduced Slido, a feedback tool employed by WSP to engage participants in virtual meetings.

# 2. Hazard Mitigation and the Disaster Mitigation Act

Mr. Josh Schnitzlein introduced the concept of hazard mitigation by explaining the escalating disaster costs in the United States. Taxpayers bear the burden when disaster strike, with FEMA spending over \$59 billion annually on disaster recovery. Mitigation planning, defined as sustained action to reduce long-term risk, emerges as a cost-effective investment, returning six dollars for every dollar spent.

Mr. Schnitzlein explained that hazard mitigation, a key aspect of emergency management, focuses on minimizing natural hazards, breaking the cycle of high costs. The regulatory context, mandated by the Disaster Mitigation Act (DMA), requires regular updates of Hazard Mitigation Plans (HMPs) for eligibility in federal disaster funding. Adopting the Local Hazard Mitigation Plan (LHMP) into the Safety Element ensures eligibility for state funding through the California Disaster Assistance Act.

## 3. Public Involvement

Mr. Schnitzlein outlined the strategies for public and stakeholder engagement. Under federal statute, the MJHMP update must include at least three opportunities for public involvement, including once during the drafting stage, and once prior to approval, and then again during plan implementation. Mr. Schnitzlein showcased the County's MJHMP webpage, a central hub where

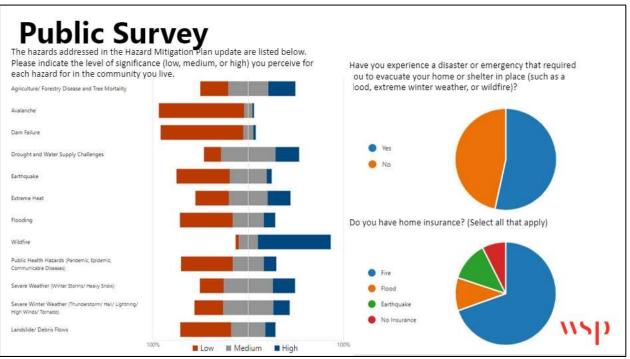
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upcoming press releases, draft plans, and other pertinent documents related to the planning process will be posted, offering the public an accessible platform for review. He also reviewed responses received to date on the public survey.

Mr. Schnitzlein provided links directly to the <u>County OES webpage</u> and the <u>El Dorado County</u> <u>Multi-Jurisdictional Plan Draft</u>, as well as the four jurisdictional annex drafts (City of Placerville, Cameron Park Community Services District [CP CSD], El Dorado County Office of Education [EDCOE], and the Georgetown Divide Public Utilities District [GDPUD]). This draft plan is currently under Public Review until April 23, 2024. Written comments and questions may be directed to Deputy Scott Bare, El Dorado County OES by calling (530) 621-5895 or by email at <u>bares@edso.org</u>, or by completing the online Public Review Comment <u>Form</u>.



The public survey received 126 responses. The above graphic shows the results from three of the poll questions.

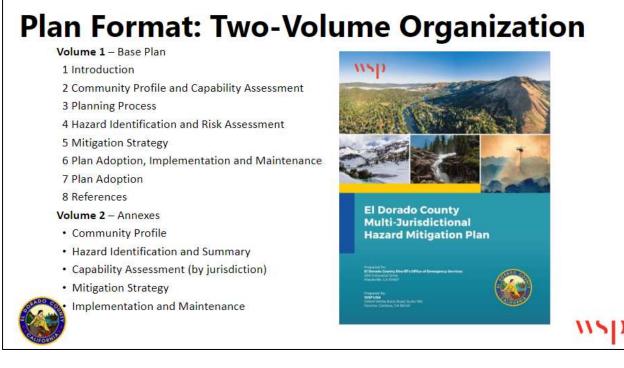
## 4. Plan Format and Organization

Ms. Melissa Baum presented an overview of the plan format and explained the two-volume organization, as illustrated below.

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Ms. Baum then discussed Volume 1 (Base Plan) and the various sections and their FEMA requirements. This includes a breakdown of the hazard profiles and their significance to the County and the four participating jurisdictions. Ms. Baum proceeded to provide an overview of the County's five goals, 25 objectives, and 36 mitigation actions. These mitigation actions include the following:

- 22 Multi-Hazard
- 1 Avalanche
- 1 Dam Failure
- 1 Drought
- 1 Earthquake
- 4 Extreme Heat
- 2 Flood
- 4 Wildfire

Ms. Prosperi then presented on Volume 2 (Jurisdiction Annexes) and discussed their format and the mitigation actions for each:





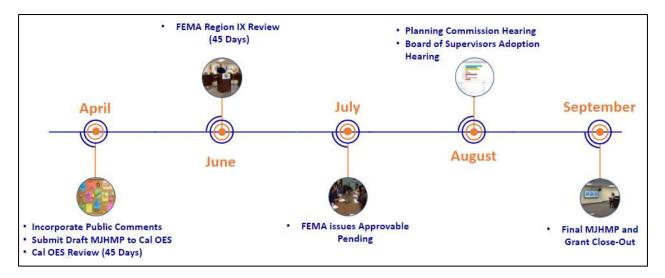


- Annex A: City of Placerville 10 Mitigation Actions
- Annex B: Cameron Park CSD 9 Mitigation Actions
- Annex C: EDCOE <u>22 Mitigation Actions</u>
- Annex D: GDPUD <u>16 Mitigation Actions</u>



## Schedule and Next Steps

Ms. Prosperi then reviewed the schedule and next steps, provided below, and in the accompanying slides.



## **Questions and Answers**

A representative from Liberty Utilities inquired about whether the City of South Lake Tahoe was a participating jurisdiction in the MJHMP update. Ms. Prosperi explained the City completed a single-jurisdictional LHMP in 2022. The representative asked whether there were any energy shortage or energy resiliency mitigation actions in the plan, and Ms. Prosperi answered that energy resiliency was addressed as a stand-alone section in the risk assessment. She added that there was also a specific mitigation action focused on establishing a zero energy district with community partners in the City and securing infrastructure for energy generation and storage. He also asked whether the were mitigation actions to obtain permanent generators for City facilities as the City's Recreation Center does

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not have a back-up generator. Ms. Prosperi explained her team worked on the City's plan and that there is an action to designate warming shelters during severe winter storms that result in power outages. She stated that she is certain this action includes a component to ensure the warming shelters can obtain funding for an on-site permanent back-up power source. Ms. Prosperi also added that the County could develop a mitigation action focused on obtaining funding for on-site permanent generators at critical facilities and these could include both City and County facilities; Liberty Utilities could be a project partner.

# **Slido Polls**

During the presentation the WSP team presented three Slido poll questions:

- 1) What mitigation actions do you think will be most effective in El Dorado County?
  - a. There were two responses, and both responses voted for Local Planning and Regulations (Addressing hazards in Plans and Policies).
- 2) Do you agree with these ratings (referring to the hazard significance ratings)
  - a. There was one response that voted "Yes".
- 3) Do you have any questions or comments?
  - a. No responses.

Meeting adjourned at 7:30 p.m.

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# El Dorado County Multi-Jurisdictional Hazard Mitigation Plan Update

Public Workshop Meeting #2 April 18, 2024, 5:30 – 7:30 PM

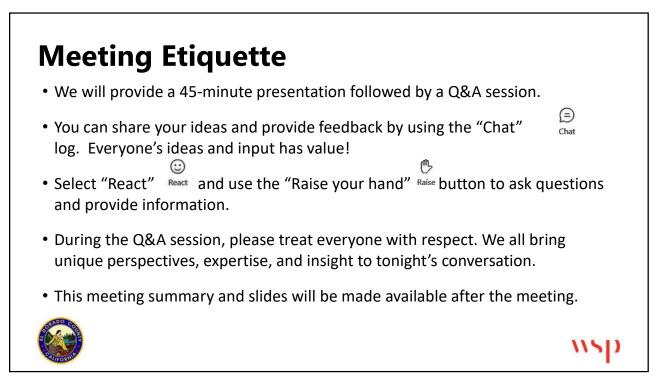
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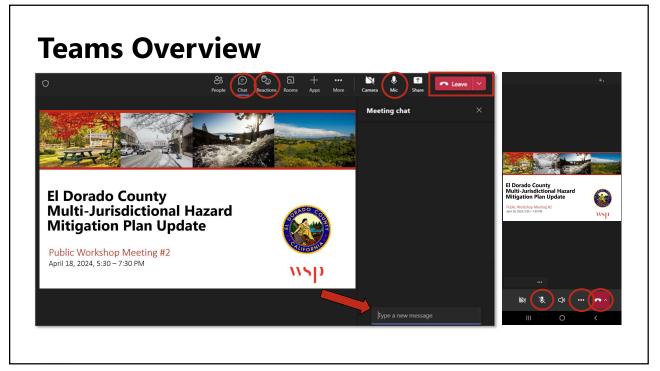
# **Meeting Agenda**

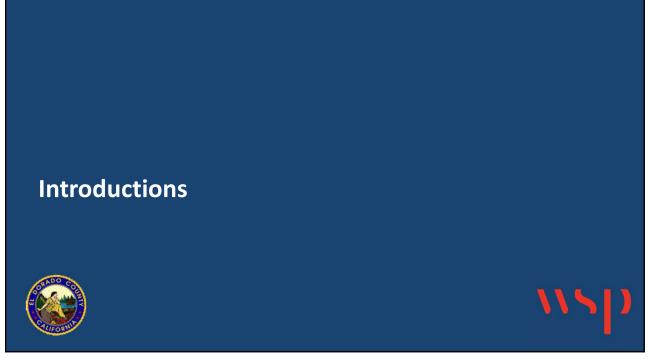
- 1. Introductions
- 2. Hazard Mitigation and the Disaster Mitigation Act
- 3. Public Involvement
- 4. Plan Format and Organization
- 5. Schedule and Next Steps
- 6. Questions and Answers



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# Introductions

## El Dorado County Sheriff's Office

- Scott Bare
- Greg Almos
- Moke Auwae
- Michael Lilienthal
- Troy Morton
- Leslie Schlag
- Jeff Whitlock
- County Emergency Management Coordinators
- Federal & State Partners
- Other Stakeholders

## **WSP Environment & Infrastructure Project Team**

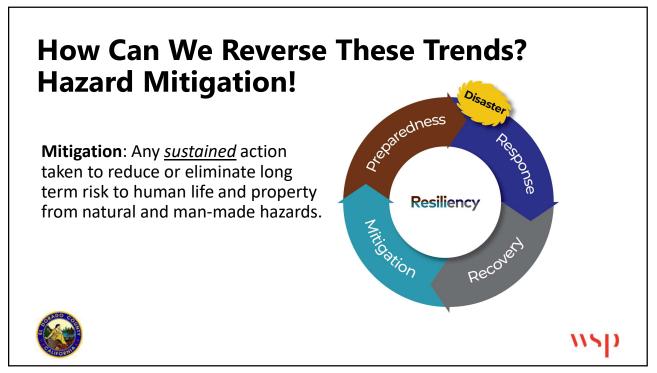
- Juliana Prosperi, AICP Project Manager
- Jeff Brislawn, CFM Hazard Mitigation Technical Lead
- Melissa Baum Hazard Mitigation Planner
- Josh Schnitzlein Senior Environmental Planner
- Mack Chambers GIS Specialist
- Donna Valasek GIS Specialist







#### **Trends Resulting in Increased Disaster Costs** • Population & community United States Billion-Dollar Disaster Events 1980-2021 (CPI-Adjusted) Drought Count Flooding Count Freeze Count Severe Storm Count Tropical Cyclone Count growth Wildfire Count Winter Storm Count Combined Disaster Cost Ш. Costs 95% CI 5-Year Avg Costs • More people living in 22 \$500 hazardous areas 18 · Greater exposure to \$400 risk: people, 15 infrastructure, Number of Events buildings 12 · More hazard events \$200 · More disaster declarations • Increase in disaster response & recovery costs 1980 1982 1984 1986 1988 1990 1992 1994 1996 1008 2000 2021 Updated: April 8, 2022 1150





# **Disaster Mitigation Act of 2000**

# **Federal Legislation**

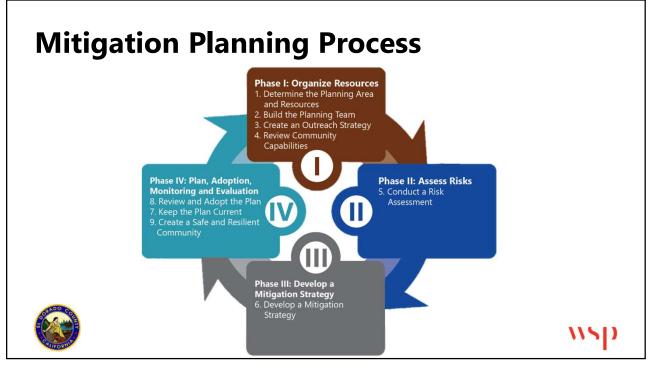
# 44 CFR 201.6

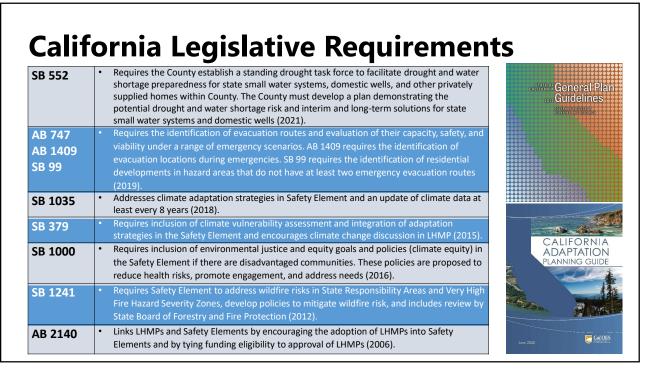
- Requires communities to update their hazard mitigation plans every 5 years to remain eligible for federal pre- and postdisaster funding for hazard mitigation grants from FEMA
- Plan ensures the jurisdictions in the County will remain eligible for mitigation projects when funding becomes available





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# **Coordination with Other Departments and Agencies**

- Participating Jurisdictions
  - City of Placerville
  - Georgetown Divide Public Utility District
  - County Office of Education
  - Cameron Park CSD
- County Staff
  - Sheriff's Office
  - Environmental Management
  - Emergency Medical Services Agency
  - Agriculture Commission
  - Planning and Building Department



- Federal Agencies
  - -FEMA Region IX
- -National Oceanic Atmospheric Administration/National Weather Service
- State Agencies
  - California Office of Emergency Services
  - California Natural Resources Agency
  - California Department of Fire Protection and Forestry
- Other
- El Dorado County Water Agency
- Fire Safe Council



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# **Public Involvement**





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# **Public Involvement Activities**

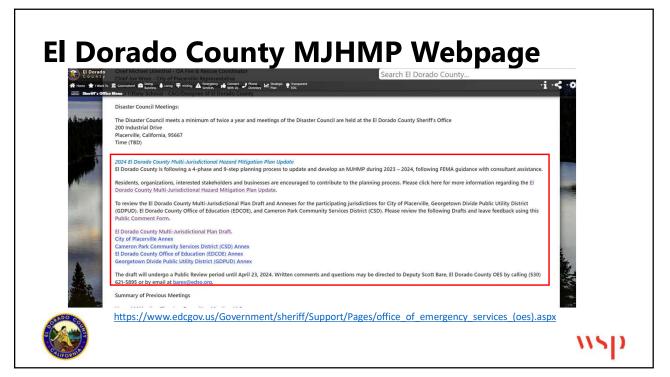
## **Requirement**:

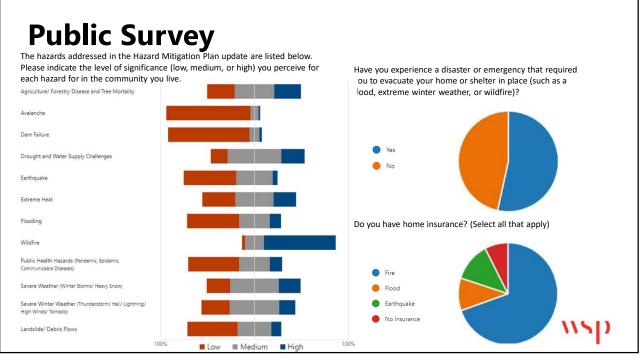
- 1. Provide two opportunities for public comment on the plan during <u>drafting</u> <u>stage</u> and <u>prior to approval</u>
- 2. Include an opportunity for neighboring communities, local and regional agencies (that regulate development), businesses, academia, and other private and non-profit interests to be involved
- 3. Discuss how the community will continue public participation in the plan maintenance process.

## **Outreach Options**

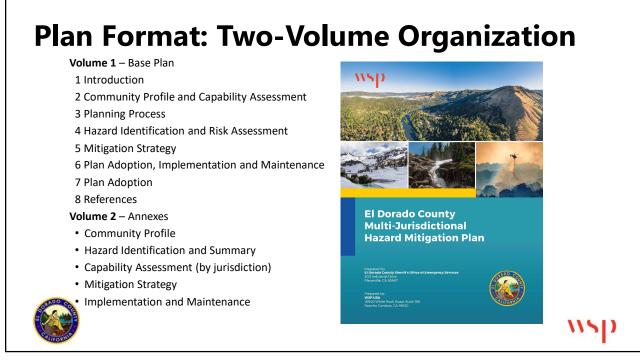
- County MJHMP Webpage
- Online Survey
- Two Public Workshops (February 27, 2024 & April 18, 2024)
- Press Releases & Social Media Posts
- Public Review Draft, Comment Period, & Online Feedback Form



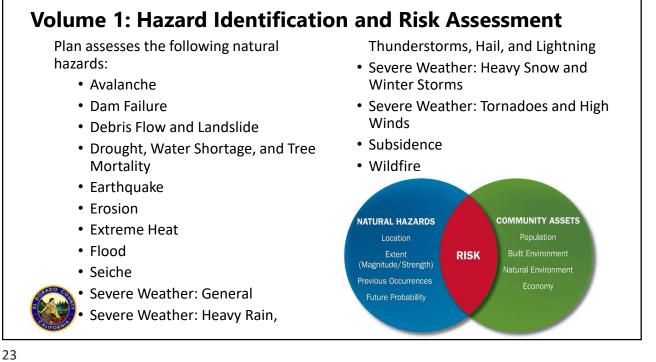




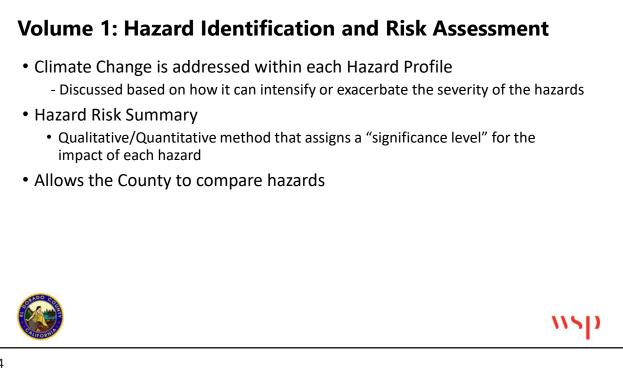




El Donado Courry Multi-Juris	Introduction
TABLE OF CONTENTS EXECUTIVE SUMMARY 1 INTRODUCTION	Community Profile and Capability Assessmen
11 Purpose of Plan. 12 Hazard Mitigiation Planning. 13 Foderal Depulatory Framework. 14 State and Local Begulatory Framework. 15 Besignund and Scope.	Planning Process
16 Pian Update     77 Multi-Surial/citional Planning     18 Pian Organization     18 Pian Organization     2 COMMUNITY PROFILE AND CAPABILITY ASSESSMENT	Hazard Identification and Risk Assessment
21 Hittory	Hazard Identification
2.6 Population and Housing Characteristics 2.7 Natural and Bocreation Resources 2.8 County Mitigation Capabilities	• Asset Summary
2.8.1. Regulatory Mitigation Capabilities 2.8.2. Administrative and Technical Mitigation Capabilities 2.8.3. Fiscal Mitigation Capabilities 2.8.4. Other Mitigation Programs and Partnerships	Hazard Analysis and Risk Summary
2.8.5 Opportunities for Enhancement 3 PLANNING PROCESS 3.1 Background on Mitigation Planning in El Dorado County	Mitigation Strategy
32 What's New in the Filen Update     321 Piers Section Deview and Analysis 2024 Update     33 Multi-Jurisdictional Participation     34 Paning Process     3-1 Piers / Organize Resources	Plan Adoption, Implementation, and
3.4.2 Phase 3 Assess Risks 3.4.3 Phase 3: Develop the Mitigation Plan	Maintenance





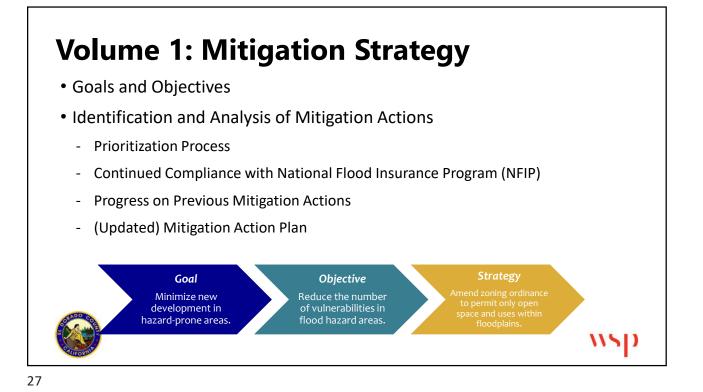


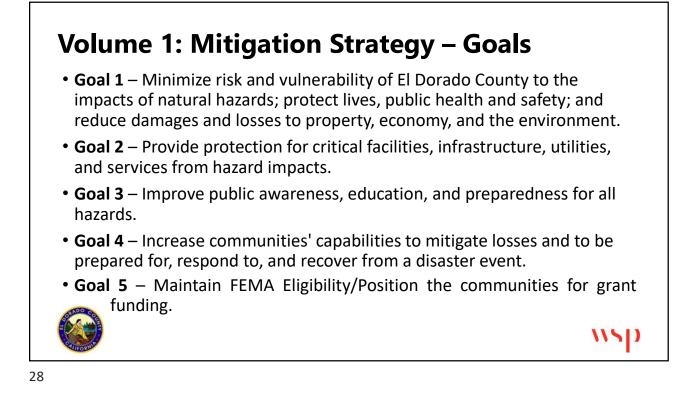
# **Volume 1: Hazard Profiles**Hazard Profiles include the following sections Hazard/Problem Description Geographic Area Extent (Magnitude/Severity) Past Occurrences Probability of Future Occurrences **Volunerability Assessment**Exposure Analysis (People, General Property, Social Vulnerability, Government Services, Critical Facilities and Infrastructure, Economy, and Historical, Cultural and Natural Resources) Future Development Trends Risk Summary (County-Level and by Jurisdiction)

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# **Volume 1: Risk Assessment Summary**

	EL DORADO COUNTY	CITY OF PLACERVILLE	GEORGETOWN DIVIDE PUD	OFFICE OF EDUCATION	CAMERON PARK CSD	
Avalanche	Medium	Low	Medium	Medium	Low	
Dam Failure	High	Medium	High	Medium	Medium	
Debris Flow and Landslide	High	Medium	Medium	Low	Medium	
Drought, Water Shortage, and Tree Mortality	Medium	Low	High	Medium	Medium	
Earthquake	hquake Medium		Low	Medium	Medium	
Erosion	Low	Low	Medium	Low	Low	
Extreme Heat	Medium	Low	Medium	High	Medium	
Flood	Medium	Medium	Low	Medium	High	
Seiche (Lake Tsunami)	High	Low	Low	Low	Medium	
Thunderstorms, Hail, Lightning, and Heavy Rain	Medium	Medium	Medium	Medium	Medium	
Tornadoes and High Wind	Medium	Low	Low	Low	Low	
Heavy Snow and Winter Storms	High	Low	Medium	Medium	Low	
Subsidence	Low	Low	Low	Low	Low	
Wildfire	High	High	High	High	High	

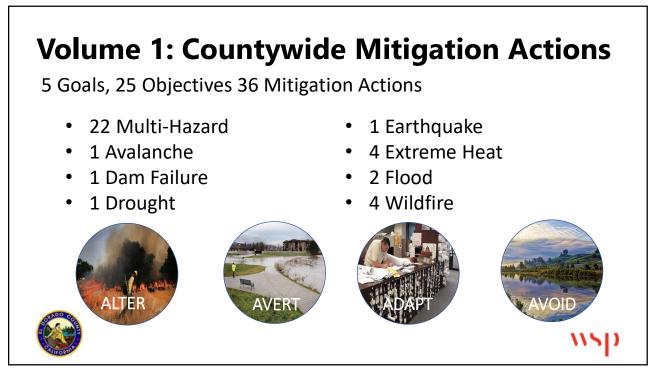




# **Volume 1: Mitigation Actions Categories**

- Local plans and regulations
  - Planning/Zoning, Building Standards, Floodplain Regulations
  - Stormwater management, Drainage System Maintenance
  - CIP Programming, Fault Zone Setbacks
- Structure and infrastructure projects
  - Reservoirs, Dams/Levees/Floodwalls, Diversions/Detention Basins
  - Channel modifications, Storm Sewer Expansion, Building Elevation
- Natural systems protection
  - Floodplain Protection, Watershed Management, Riparian Buffers
  - Habitation Preservation, Erosion and Sediment Controls
  - Slope Stabilization and Vegetation Management
- Education and awareness programs
  - Outreach, Speaker Series, Public Safety Coordinator Presentations
  - Hazard Mapping, GIS, Newsletters, Social Media Campaigns





DESCRIPTION/BACKGROUND/ BENEFITS	PRIORITY	TIMELINE	IMPLEMENTATION STATUS
reate Fire Adapted Communities. Public education through community outreach is an ngoing strategy and included in all mitigation efforts. El dorado county, fire agencies, nimal services, fire safe councils, and other stakeholders work with as many residents as ossible to provide information on defensible space and living with fire and creating fire dapted communities.	High	Ongoing	Annual Implementation.
lazardous Fuels Reduction Activities. These projects address the ongoing need to manage Jels in and around privately owned homes, businesses and communities, County-owned acilities freeways and roadways, and "Assets at Risk" in El Dorado County.	High	Ongoing	Annual Implementation. El Dorado County, PC&E, SMUD, Fire Safety Councils, and other organization have brush clearing projects along power lines and roadways throughout the county to protect critica facilities and equipment.
arge Strategic Fuel Break. Large strategic fuel break projects will provide landscape scale ommunity protection in our area. When complete, these projects will help protect the ommunities identified as "communities at risk from wildfire" listed in the national fire plan. WPR and the el dorado county fire safe councils have worked with county, state, and ederal agencies to identify areas within their jurisdictions to develop large strategic fuel reaks to protect specific communities and watersheds within the county.	High	Ongoing	Annual Implementation
uel Breaks in the Wildland Urban Interface (WUI). The purpose of a Shaded Fuel Break ithin the WUI is to minimize destruction to communities from wildfire and to protect and nhance natural resources, watershed, and habitat of western EI Dorado County. The OWPR vorks with the EDCFSC County, State, and Federal agencies to identify areas within their risdictions to develop shaded fuel breaks to protect specific communities and watersheds within the WUI.	High	Ongoing	Annual Implementation - Defensible Space Programs are ongoing throughout the County.
oadside Hazardous Vegetation and Road Surface Improvement. Provide roadside learance at identified critical roads (fire severity zones, one-way roads).	High	Long- term	New in 2024.



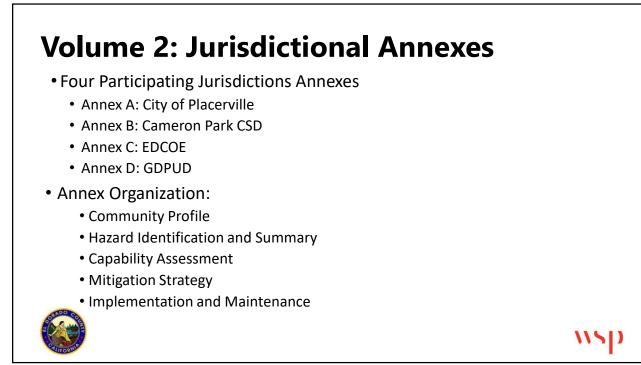
## • Adoption

- Implementation
  - Role of the HMPC in Implementation and Maintenance
- Maintenance and Monitoring
  - Maintenance Schedule (Annual Reviews, Critical Facility Database Maintenance, Five-Year Update)
  - Maintenance and Evaluation Process
  - Incorporation into Existing Planning Mechanisms
    - County and local general plans (General Plan Safety Element)
    - · Community service district area plans and master plans
    - County and local emergency operations plans
    - County and local ordinances
    - Flood/stormwater management/master plans
    - Community wildfire protection plans

Continued Public Involvement



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ID	LINKS TO GOALS	HAZARD(S) MITIGATED	vide Public Utility District M DESCRIPTION/ BACKGROUND	JURISDICTION	LEAD AGENCY AND PARTNERS	COST ESTIMATE	POTENTIAL FUNDING	FEMA LIFELINE	PRIORITY	TIMELINE	IMPLEMENTATION STATUS
GPUD-1	1, 2, 3, 4	Debris flow and Landslide, Erosion	Reduce Erosion And Debris Flows Along Upper Canal. Issue burned areas. Steep slopes. Unstable soils. Open water conveyance canals. Limit the <u>amount</u> of debris or sediment into the canal	GDPUD	GDPUD (Lead Agency), County EDWA	Very High	CAL FIRE and Cal OES Grants, Sierra Nevada Conservancy	Water Systems	High	Short- Term	New in 2024.
GPUD-2	3, 4, 5	Extreme Heat, Drought	Redundant Electrical Supply. CDPUD has one supply for 10,000 customers. A second source would benefit CDPUD in the event of failure.	GDPUD	GDPUD (Lead Agency), County EDWA	High	FEMA BRIC, CALFIRE	Water Systems	High	Medium- Term	New in 2024.
GPUD-3	1, 2, 4, 5	Wildfire	Distribution System Protection. Clear vegetation surrounds critical facilities (Treatment Plants/ Storage tanks).	GDPUD	District Staff (Lead Agency), County EDWA, Fire Safe Councils/GDPUDs	High	Community Power Resiliency Allocation Program, EMPC, FEMA HMA HMCP, BRIC, SHSCP Grant Program, HMCP, BRIC	Water Systems	High	Short- Term	New in 2024
CPUD-4	1,2	Dam Failure, Flood	Annual Canal Lining Program. Prioritized repair and lining of water conveyance canals and ditches.	GDPUD	CDPUD (Lead Agency), County EDWA	Medium	CDPUD Funded: \$150,000.00. An additional \$100,000 is allocated each fiscal year until 2026/2027.	Water Systems	Medium	Ongoing	New in 2024

# What else do you need to know?

- High-level of detail in the MJHMP to ensure regulatory compliance that adheres to a specific process
- FEMA Plan Review Tool
- Crosswalks the MJHMP with Section 201.6 of 44 Code of Federal Regulation requirements
- We demonstrate compliance with all elements for the County and 10 participating jurisdictions
- Cal OES and FEMA Region IX both will review this crosswalk for compliance.



