



TETRA TECH



Sonoma County Hazard Mitigation Plan 2026 Update

Hazard Mitigation Working Group

March 13, 2025 | 10:00 AM



Today's Agenda

1. Welcome
2. HMP Plan Progress
3. Risk Assessment Overview
4. Key Decisions
5. Project Schedule
6. Questions
7. Public Comment



Emergency Management

Mitigation is a sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event

-or-

Any action taken to reduce future disaster losses





HMP Plan Progress

Mitigation planning happens before a disaster strikes. It results in safer, more resilient communities – reducing risk for the residents, businesses, and critical services in Sonoma County.

Planning Process Overview

- Phase 1 Organize Resources
- Phase 2 Risk Assessment
- Phase 3 Outreach Strategy
- Phase 4 Capabilities
- Phase 5 Mitigation Strategy
- Phase 6 Plan Maintenance
- Phase 7 Prepare HMP Update
- Phase 8 Plan Adoption



Public Meeting

- Petaluma Fairgrounds on January 22
- Preparedness and Mitigation information and resources
- Attendees
 - 19 Public Members
 - 3 County Staff
 - 2 City Staff
 - 3 Dogs



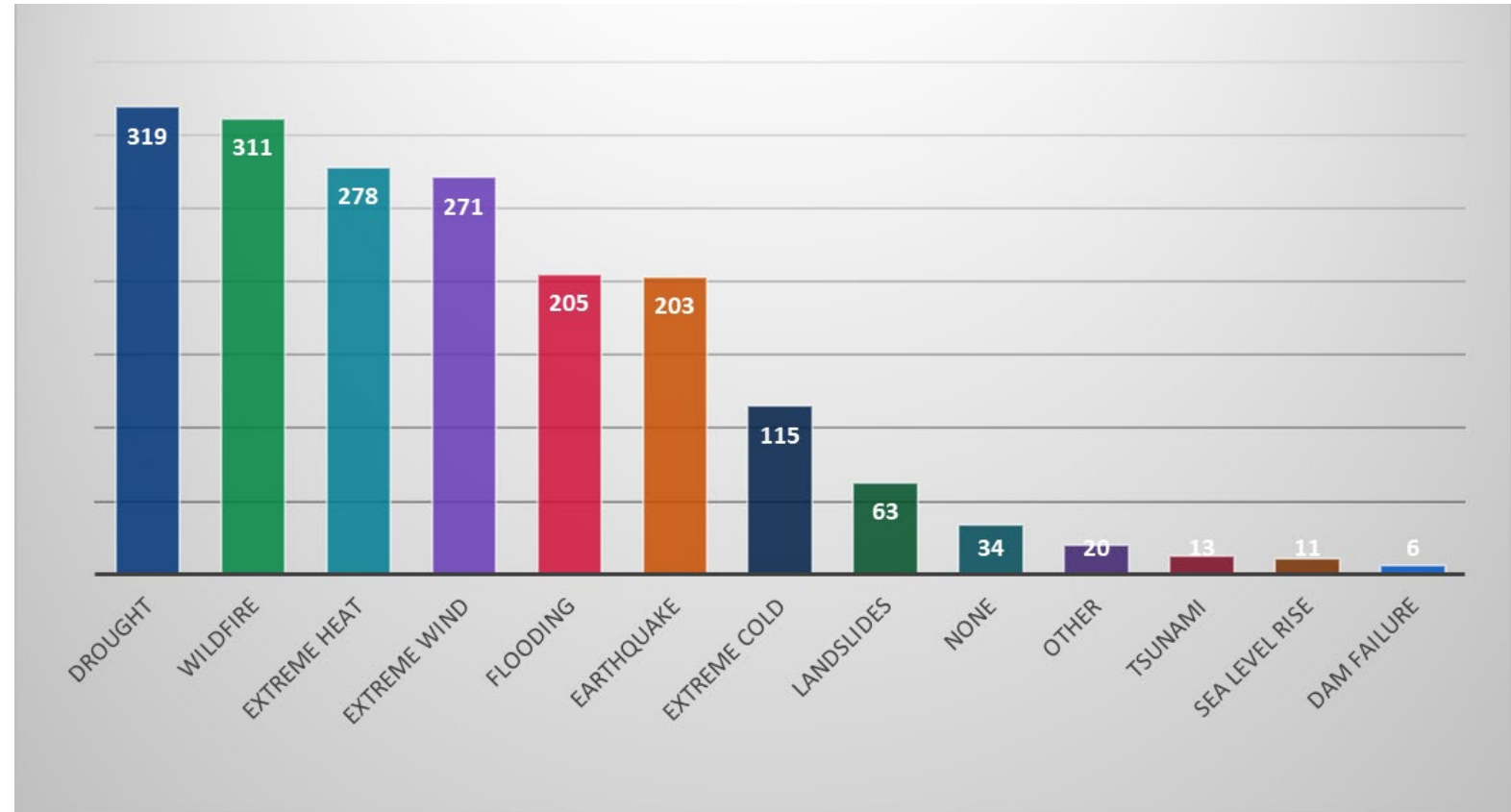
Public Awareness Campaign

- 24 Planning Partners are sharing information with their residents, customers, and stakeholders about the Hazard Mitigation Plan
 - Press Releases
 - Websites
 - Social Media
 - Newsletters
 - Meeting Agendas
 - Utility Mailers (Bodega Bay PUD)



Public Survey – 491 Responses

- In the last five years, which of the following natural hazards have you experienced?
 - Drought – 319
 - Wildfire – 311
 - Extreme Heat – 278



Public Survey – Hazard Concerns

- How concerned are you about the following hazards in Sonoma County?
 - 87% Very or Extremely Concerned about Wildfire
 - 58% Not Concerned about Dam Failure



Public Survey - Information

- How do you receive information about disasters?
 - Mass Notification System: 414 people
 - Internet: 354 people
 - County Website: 245
 - Telephone Book: 3 people



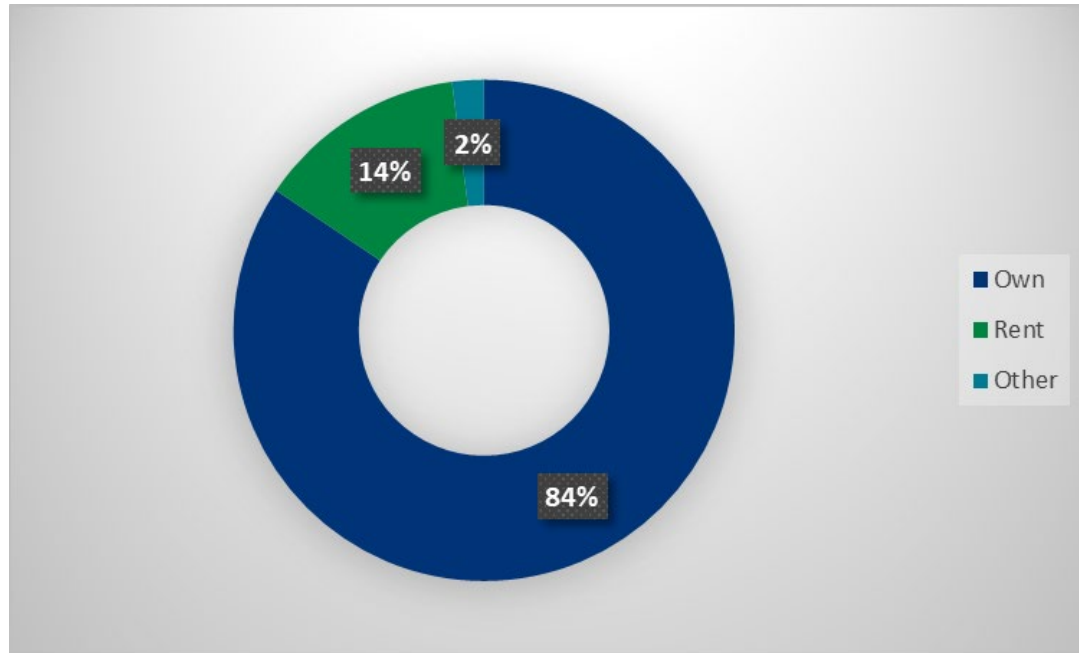
Public Survey – Home Length

- How long have you lived in your home?
 - 20 years or more: 52%
 - 10-19 years: 20%
 - 6-9 years: 11%

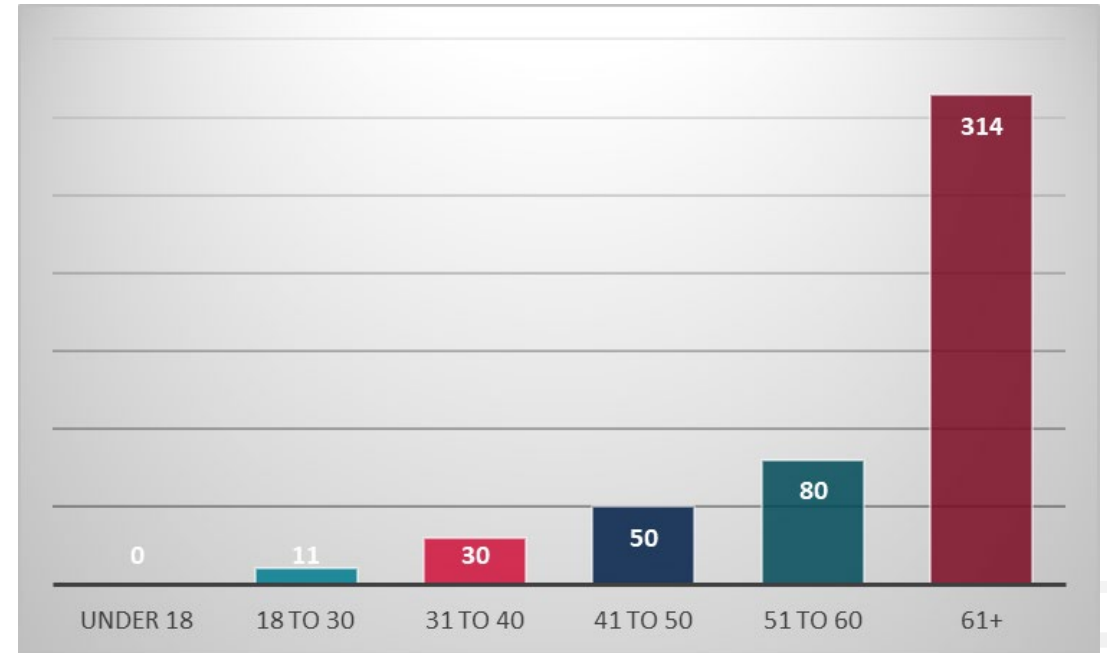


Public Survey Demographics

- 412 respondents own their home



- 64% are 61 years or older



Completed Worksheets

- 24 Planning Partners submitted the following information:
 - 2020 Mitigation Action updates
 - Floodplain details
 - New Development inventory
 - 2020-2024 hazard history
 - Capability assessment – plans, regulations, programs, expertise, outreach



Risk Assessment Overview



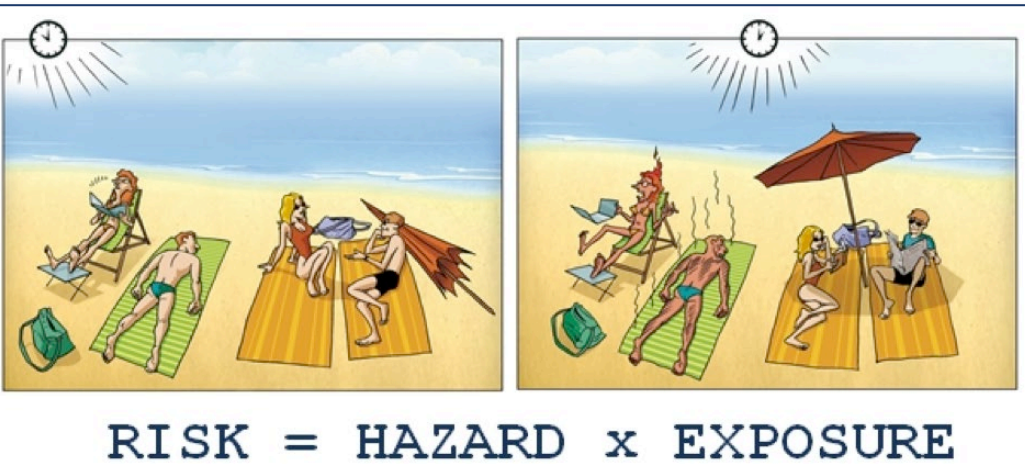
What is Risk?

✓ Hazard

- *Something that has the potential to cause damage, injuries, and losses*

✓ Exposure

- *People, property and infrastructure vulnerable to the hazard*



HAZARD

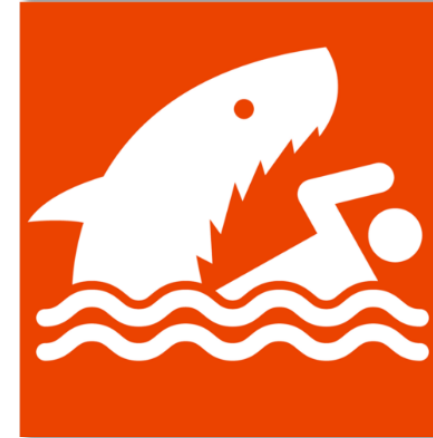
VS

RISK

A **HAZARD** is something that has the potential to harm you



RISK is the likelihood of a hazard causing harm



✓ Risk

- *Probability and severity of damages to people, property, and infrastructure*

Hazards of Concern

2026 Sonoma County Hazards:

- Dam Failure
- Drought
- Earthquake
- Extreme Cold
- Extreme Heat
- Extreme Wind
- Flooding
- Landslide
- Sea Level Rise
- Tsunami
- Wildfire



Hazard Consequences

Risk assessment must describe hazard consequences or effects on municipalities and their assets:

- **People** (including socially vulnerable populations)
- **Structures** (including facilities and critical infrastructure)
- **Systems** (including networks and capabilities)
- **Resources** - natural, historic, and cultural
- **Activities** that have value to the community



Community Lifeline Facilities (1/2)

- **Safety and Security:** Emergency Operations Centers, Police, Fire, Schools, County and Municipal Buildings, Dams/Levees
- **Health and Medical:** Hospitals, Medical Centers, EMS, Nursing Homes, Senior Centers
- **Transportation:** Highways, Train Stations, Railroad Lines, Airports, Bus Facilities, Bridges, Ports
- **Food, Hydration, Shelter:** Animals and Agriculture, Housing
- **Communication:** Communications Towers, Banks, Radio Towers



Community Lifeline Facilities (2/2)

- **Energy:** Natural Gas Pipelines, Natural Gas Facilities, Solar Energy Facilities, Electric Power Facilities, Hydroelectric Facilities, Transfer Stations, Substations
- **Hazardous Materials:** Tier II Facilities
- **Water Systems:** Potable Water Supply Treatment Facilities, Potable Water Wells, Potable Water Pump Stations, Wastewater Treatment Plants, Wastewater Pump Stations
- **Other Facilities:** Day Care Centers, Libraries, Post Offices



Risk Assessment Next Steps

- **Hazard Risk Analysis**

- HAZUS
- Exposure within Hazard Area Analysis
- Drought, Extreme Temperature and Wind do not have defined hazard areas; therefore, the whole County is considered at risk

- **Products for Plan**

- Hazard Area Maps
- Number of People, Buildings, and Critical Infrastructure Facilities in hazard areas

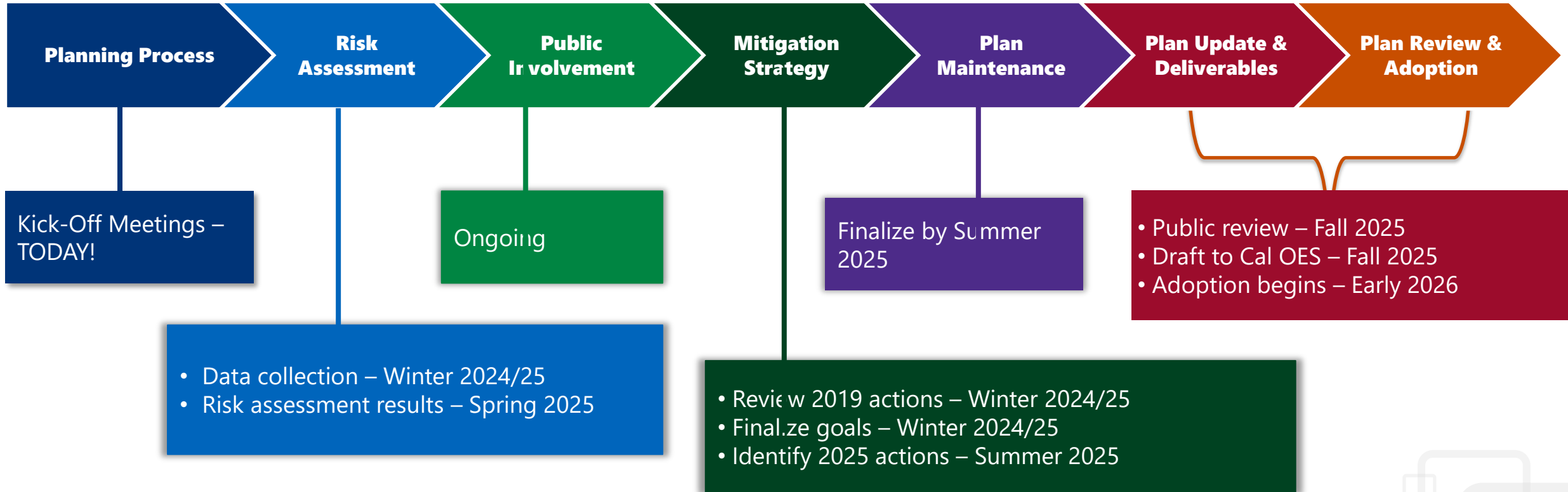




Project Schedule

Upcoming meetings and key milestones throughout the HMP update process

Proposed Schedule



Next Steps

Mitigation Strategy Development

- ~~Review 2021 Actions~~
- Develop New Actions
- Assemble 24 Jurisdictional Annexes

Hazard Development

- Hazard profile update
- Hazard assessment & risk analysis

Hazard Mitigation Working Group

- Next meeting – Spring 2025
- Public engagement

Core Plan Update





Questions?

**Q&A for Hazard Mitigation
Working Group Members**



Public Comment

Three-minute comment limit

The public may also submit comments to:
hazardmitigation@sonoma-county.org



Thank you!

Sonoma County Project Contact

Sage Limpp, Supervising Hazard Mitigation Coordinator
HazardMitigation@sonoma-county.org | 707-565-2097

Tetra Tech Project Contact

Sasha Jones, Lead Planner
Sasha.Jones1@tetrattech.com | 279-895-7865

