



2022-23 Jackson County Natural Hazard Mitigation Plan Update Kickoff Meeting

Friday, October 28, 2022

Welcome!



UNIVERSITY OF
OREGON

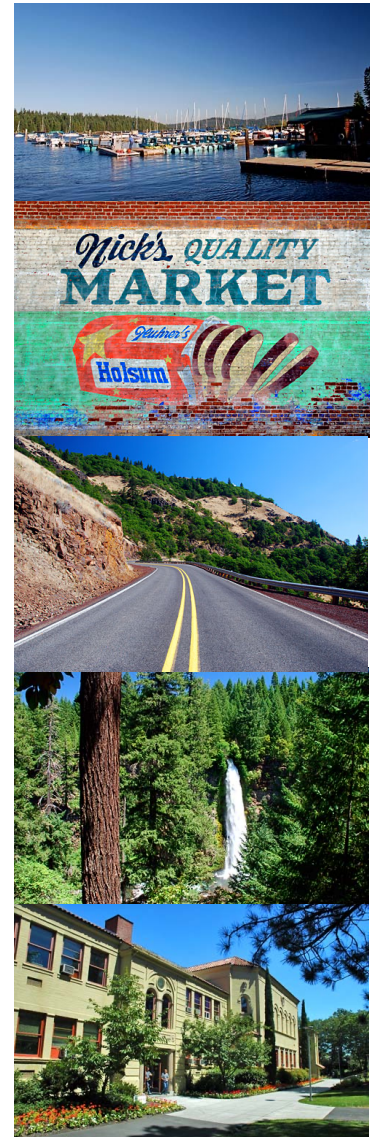
Institute for Policy
Research and Engagement

Kickoff Meeting Goals & Objectives

- ▷ Explain the natural hazard mitigation planning process
- ▷ Review the benefits of developing a multi-jurisdictional natural hazard mitigation plan (NHMP)
- ▷ Provide a timeline for the NHMP update project
- ▷ Review the 2018 Jackson County Multi-Jurisdictional NHMP
- ▷ Discuss public outreach strategies
- ▷ Outline what participants can expect next

Agenda

- ▷ **Introductions**
- ▷ NHMP Overview
- ▷ Project Timeline
- ▷ Mission & Goals
- ▷ Public Outreach Strategy
- ▷ Wrap Up & Next Steps



Introductions

1) Name → 2) Organization → 3) Experience
with natural hazard mitigation

Next Up

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- ▷ **NHMP Overview**
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Natural Hazards

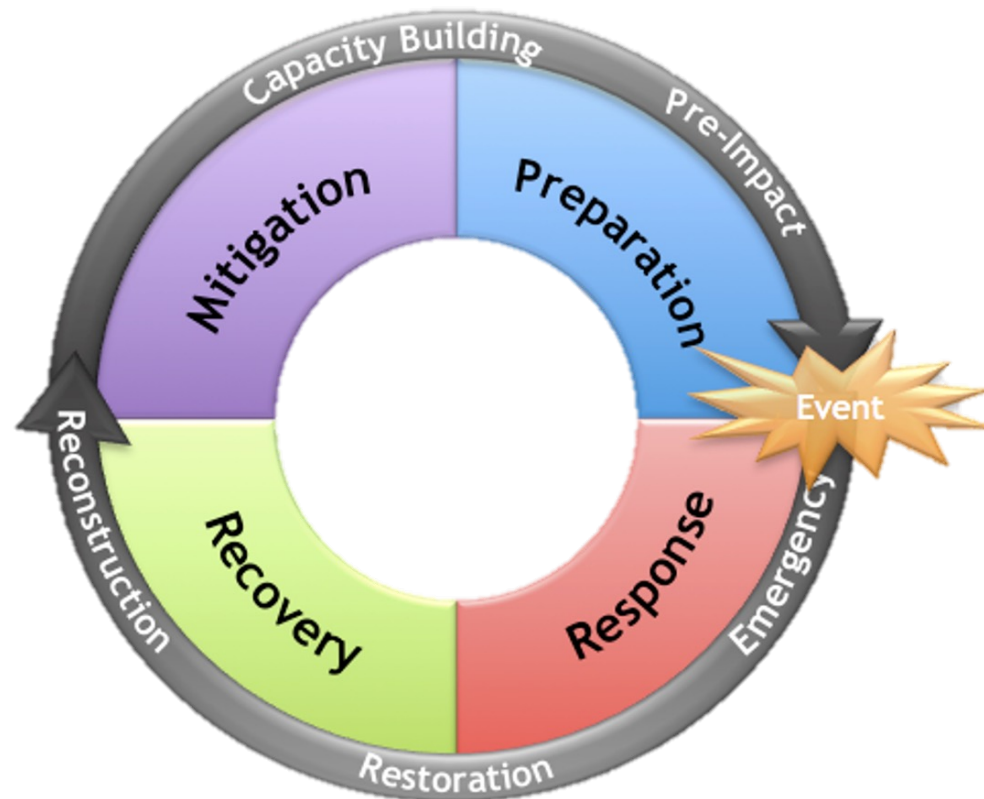


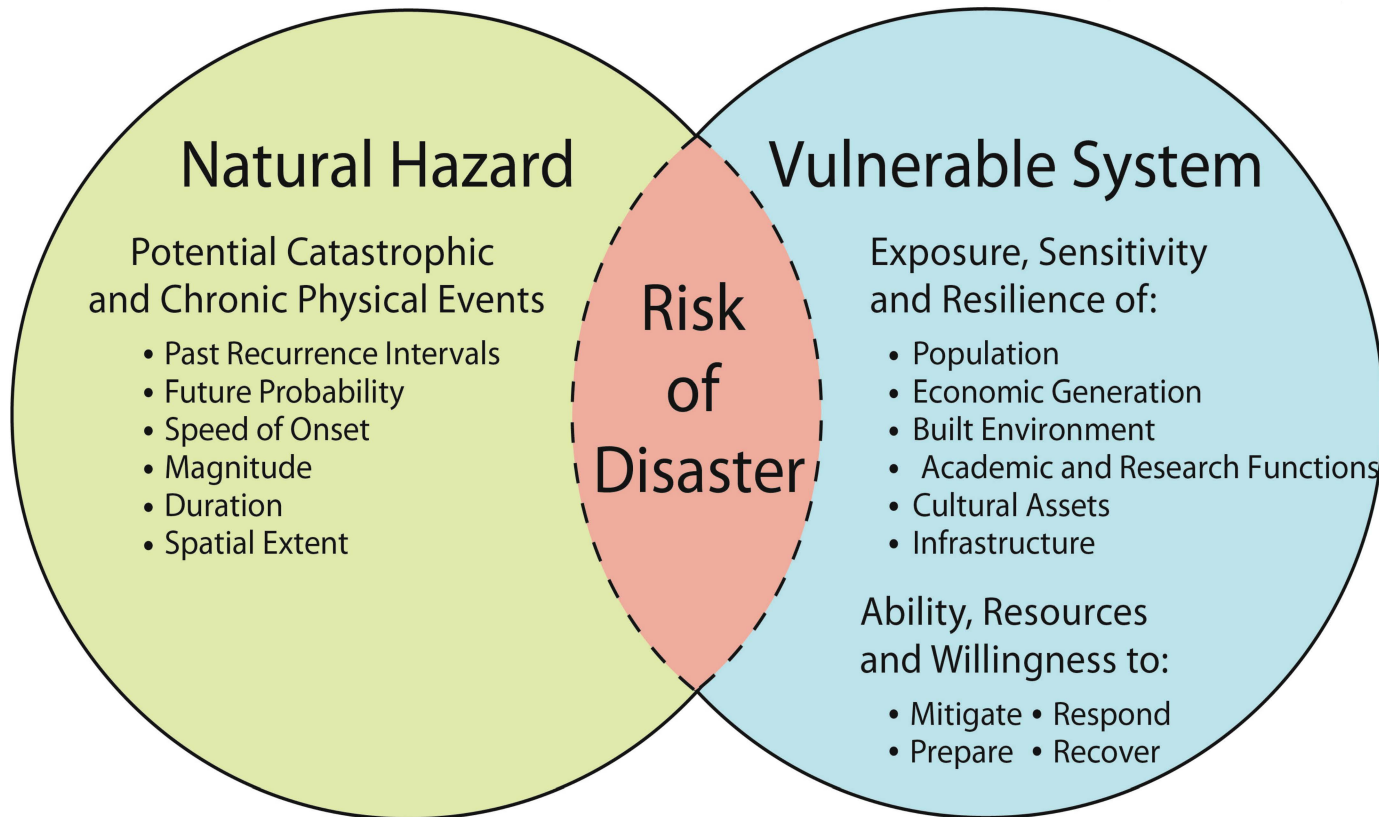


Mitigation is any sustained action taken to reduce or eliminate long-term risk to life & property from a hazard event.

-FEMA

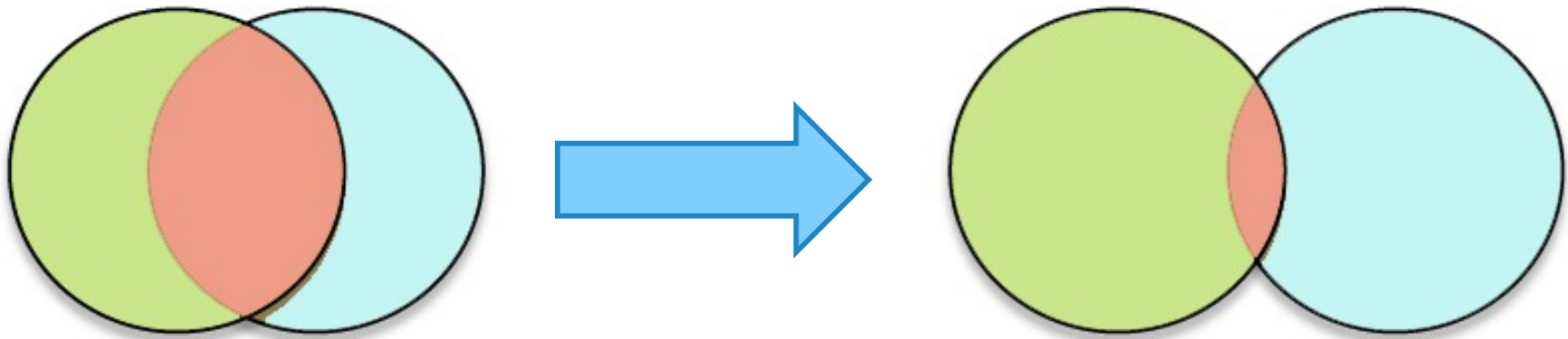
So where does mitigation fit in to resilience more broadly?





Source: USGS- Oregon Partnership for Disaster Resilience Research Collaboration, 2006

What does mitigation aim to do?



Benefits of Mitigation Planning

- ▷ Build awareness of risks, sensitivities, and vulnerabilities
- ▷ Reduce hazard impacts
- ▷ Save lives, property, and money
- ▷ Form new inter-community partnerships
- ▷ Make communities more resilient and support their rapid recovery after a hazard event
- ▷ A more proactive and less expensive rather than reactive response to hazards
- ▷ Become eligible for federal mitigation funding

Mitigation Funding Opportunities

FEMA Hazard Mitigation Grant Program (HMGP)

- Post-disaster mitigation projects
- HMGP Post-Fire Assistance for communities after a major wildfire is declared

FEMA Building Resilient Infrastructure and Communities (BRIC)

- Pre-disaster mitigation projects






FEMA Flood Mitigation Assistance (FMA)

- Aims to reduce the risk of flood damage to NFIP-insured buildings

OEM Emergency Management Performance Grant (EMPG)

- OEM applies to FEMA on behalf of local and tribal governments
- Other requirements include having an assigned emergency manager, adopted an EOP, etc. (more detail on OEM's website)

Mitigation pays!

	Adopt Code	Above Code	Building Retrofit	Lifeline Retrofit	Federal Grants
Overall Benefit-Cost Ratio	11:1	4:1	4:1	4:1	6:1
Cost (\$ Billion)	\$1/Y	\$4/Y	\$520	\$0.6	\$27
Benefit (\$ Billion)	\$13/Y	\$16/Y	\$2200	\$2.5	\$160
 Riverine Flood	6:1	5:1	6:1	8:1	7:1
 Hurricane Surge	N/A	7:1	N/A	N/A	N/A
 Wind	10:1	5:1	6:1	7:1	5:1
 Earthquake	12:1	4:1	13:1	3:1	3:1
 Wildland-Urban Interface Fire	N/A	4:1	2:1	N/A	3:1
Source: The National Institute of Building Sciences					

Joseph Murray, Oregon
Department of Emergency
Management



Why do hazard mitigation planning?

- Evaluate hazards, vulnerabilities, and capabilities
- Develop strategies and recommended actions for reducing vulnerabilities
- Establish and maintain eligibility for FEMA mitigation grant funding, i.e., Hazard Mitigation Assistance (HMA) which is comprised of:
 - Flood Mitigation Assistance (FMA)
 - Building Resilient Infrastructure and Communities (BRIC)
 - Hazard Mitigation Grant Program (HMGP)



Points in favor of special districts being part of a multi-jurisdictional natural hazards mitigation plan (MJ-NHMP)

- Building or improving relationships with the other jurisdictions that are part of the MJ-NHMP will likely pay dividends.
- Special districts can “lean on” the risk assessment of the overall planning area (but must still show how their risk differs from the overall planning area).
- Special districts can also lean on the overall planning process including public involvement.



Contact information

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When contacting one of us by email,
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NHMP Elements

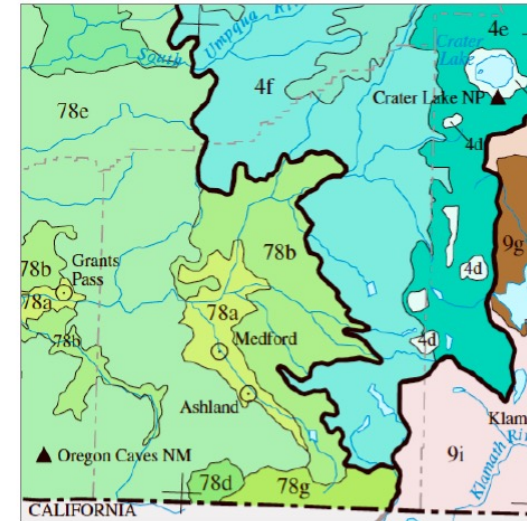


Step 1:

Community Profile

- ▷ Jackson County profile
 - Natural Environment
 - Socio-Demographic
 - Economic
 - Built Environment
 - Community Connectivity
 - Political

Figure 2-1 Ecoregions of Jackson County



Source: Thorson, Thor D. "Ecoregions of Oregon." Map. Ecoregions of Oregon. Reston, VA: U.S. Dept. of the Interior, U.S. Geological Survey, 2004. 1-2. Print. Note: For more information on the Ecoregion ID (e.g., 78a, 4f, etc.) see Table 2-1.

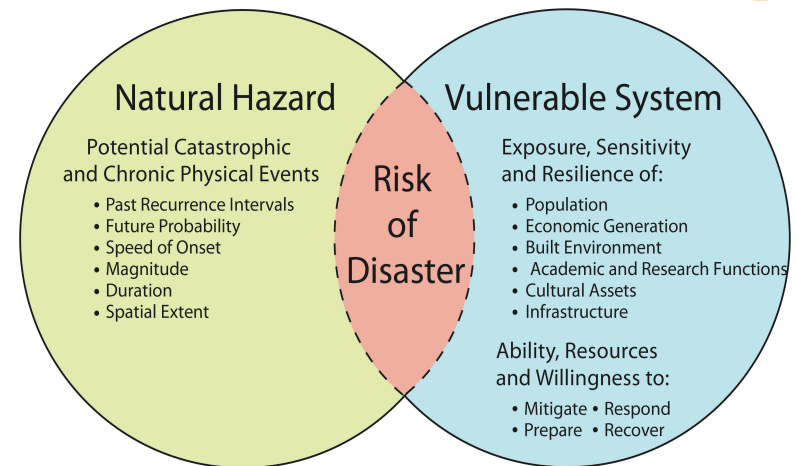
Step 3:

Mitigation Strategy

- ▶ Multi-jurisdictional Mitigation Strategy: For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.



Understanding Risk



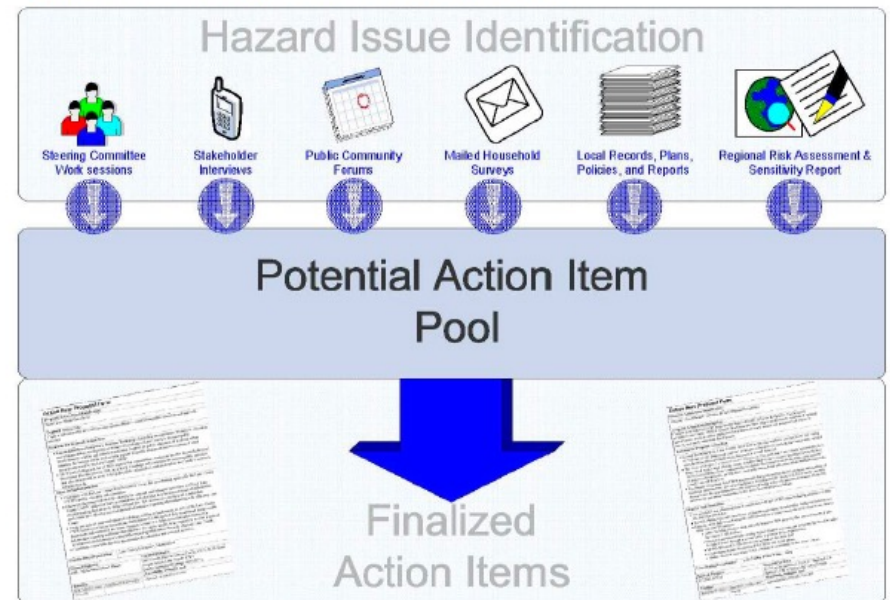
Source: USGS- Oregon Partnership for Disaster Resilience Research Collaboration, 2006

Step 4:

Action Items

- ▶ Previous action items and progress
- ▶ New mitigation actions for Jackson County communities
- ▶ Mitigation action items will be developed for all participating governments and special districts

Figure 4-1 Development of Action Items

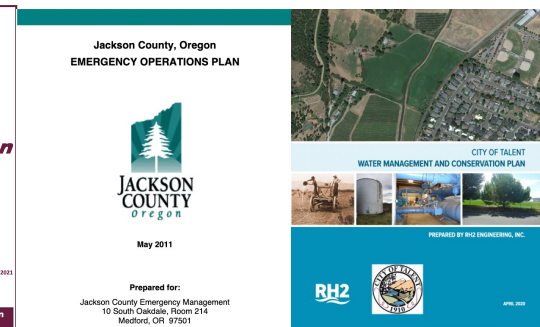
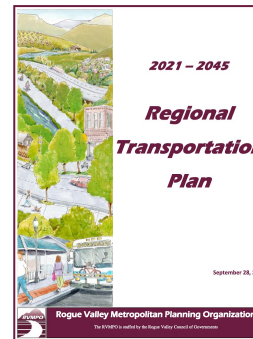


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Step 4 (continued):

Policy Crosswalk

- ▷ Identifies elements of existing plans & policies that support mitigation actions & strategies
- ▷ Example plans:
 - Comprehensive Plans
 - Strategic Plans
 - Capital Improvement Plans
 - Climate Action Plan
 - Emergency Operations Plans
 - Transportation Systems Plans
 - Master Water/Wastewater/Stormwater Plans



Step 5:



Plan
Maintenance

- ▷ Adoption
- ▷ Implementation, monitoring, evaluation, and updating
- ▷ Continued public involvement

- ▷ This is the doing part!

Step 6:

Annexes

- ▷ Hazard mitigation meetings & work sessions
- ▷ Hazard quantification
- ▷ Mitigation projects
- ▷ Plan implementation & maintenance

Figure AA-5 Special Flood Hazard Area

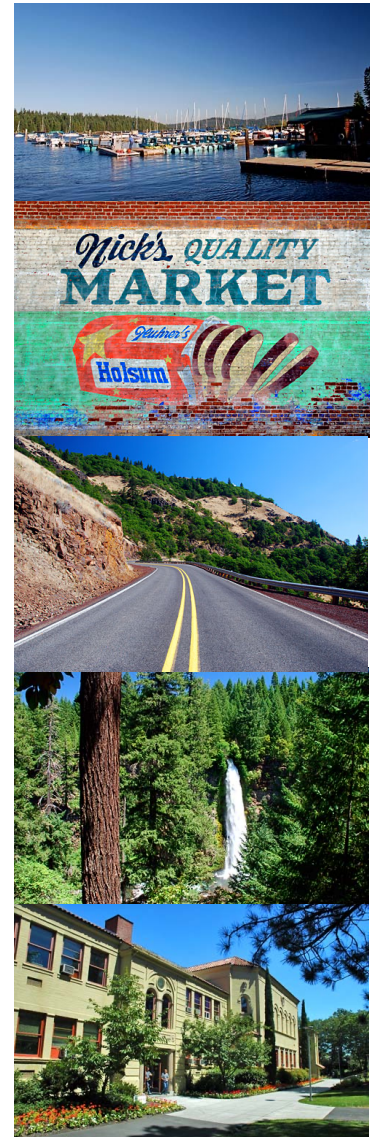


Source: [Oregon HazVu: Statewide Geohazards Viewer \(DOGAMI\)](#)

Note: To view detail click the link above to access Oregon HazVu.

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Two-Phase Approach



First

Update Phase

Second

Review Phase

First

Update Phase

Kickoff Meeting

Meeting 2

Meeting 3

Meeting 4

Public Comment

October 28,
2022

November,
2022

January,
2023

February,
2023

March 17,
2023

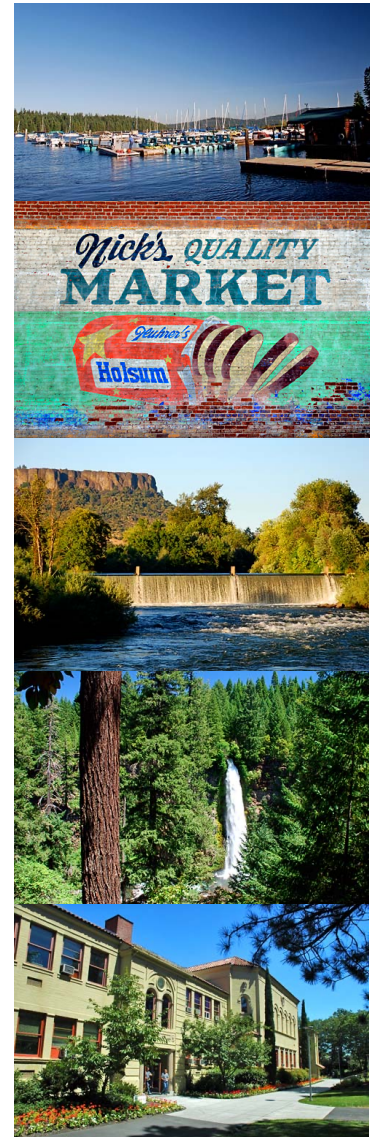
Second Review Phase



Existing Jackson County Multi-Jurisdictional NHMP expires on July 2, 2023

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Jackson County 2018 NHMP

The mission of the Jackson County NHMP is to protect life, property and the environment, reduce risk and prevent loss from natural hazard events through coordination and cooperation among public and private partners.

Jackson County 2018 NHMP Goals

Emergency
Service

Education
and
Outreach

Prevention

Property
Protection

Partnership
and
Coordination

Natural
Resource
Protection

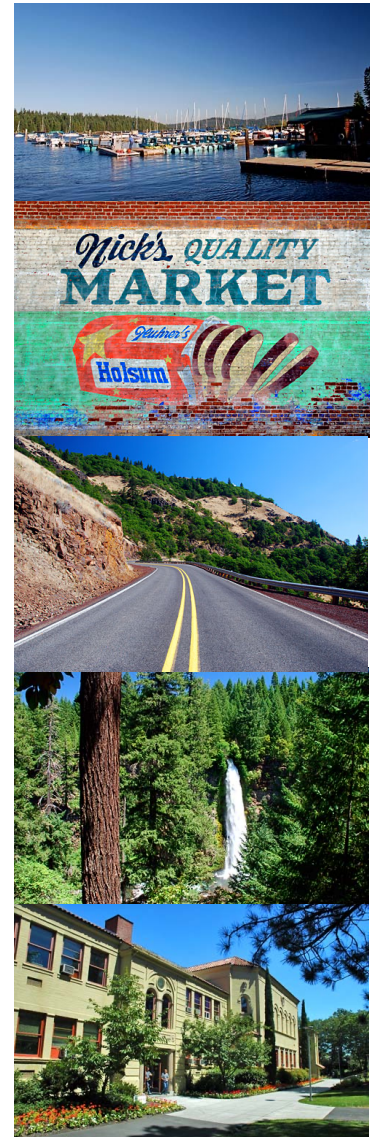
Structural
Protections

Mission & Goals Updates?

- ▷ Anything you think should be added or changed in the mission?
- ▷ Any additional goals or changes to the goals?

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Public Outreach Strategy

- ▷ Community events
- ▷ Interviews
- ▷ News/media
- ▷ Surveys
- ▷ Roundtables/forums
- ▷ Social Media
- ▷ Area-specific meetings
- ▷ Websites

Public Outreach Strategy

- ▷ What outreach strategies work in your community?
- ▷ Any recent public outreach successes with other plans?

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Homework



Review Your Plans

Please review:

- a) Your jurisdiction's action items from the 2018 NHMP (if applicable), and
- b) Any additional plans approved in your jurisdiction (e.g, Master water/Wastewater Plans, Comprehensive Plans, etc.) that might be relevant to mitigating natural hazards.



Check In on Action Item Progress

Get an idea of where each of your jurisdiction's NHMP action items stands. You may need to check in with other departments/partners.



Think About Future Action Items

Considering the natural hazards that your community has faced since the 2018 NHMP was approved, how might those action items be improved?

Thanks!

Any questions?

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Credits

Special thanks to:

- ▷ [SlidesCarnival](#) for the presentation template
- ▷ Gary Halvorson, Oregon State Archives, for the Jackson County photographs
- ▷ Harry & David, Jackson County, and Jackson Soil and Water Conservation District for natural hazard photographs on Slide 7