2022-23 Jackson County Natural Hazard Mitigation Plan Update Meeting #3

Friday, February 3, 2023

Welcome!

JACKSON COUNTY
Emergency Management

UNIVERSITY OF
OREGON

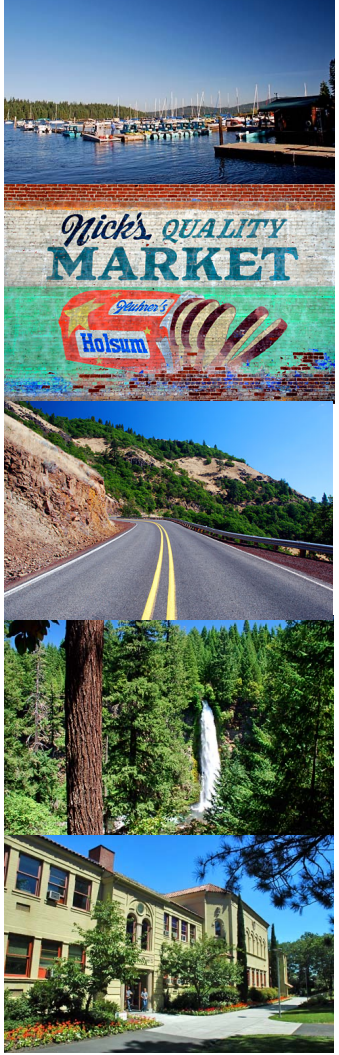
**Institute for Policy
Research and Engagement**

(Re-) Introductions

Please type your name and organization in the Chat Box.

Agenda

- Welcome
- Risk Assessment
- Hazard History Lessons Learned for Action Items
- Looking Ahead to 1:1 Meetings with Jurisdictions
- Wrap Up & Next Steps



Meeting #3 Goals & Objectives

- Discuss the Risk Assessment
- Discuss lessons learned from recent wildfires and droughts that we will not find in other plans
- Prepare for 1:1 meetings with jurisdictions (the County, cities, and special districts)

Progress since Last Meeting

- Received some information on communities' development/annexations since 2018 NHMP
- Compiling Community Lifelines
- Gathering GIS data
- Updating Community Profile
- Finishing Policy Crosswalk
- Drafting 2023 NHMP update

Project Info Available on Jackson County Emergency Management Website

https://jacksoncountyor.org/emergency/News/News-Information/2023-natural-hazard-mitigation-plan-update-1

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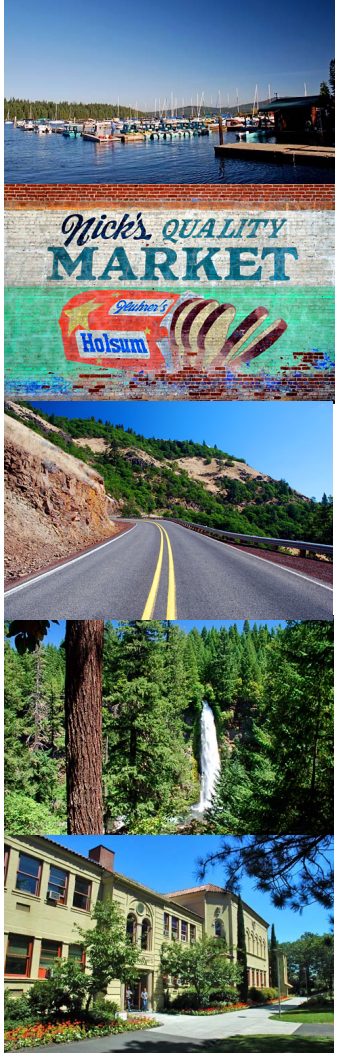


Hazard Vulnerability Assessment (2018)

Hazard	History	Vulnerability	Maximum Threat	Probability	Total Threat Score	Hazard Rank	Hazard Tiers
Earthquake (Cascadia)	2	50	100	70	222	#1	*Top Tier*
Emerging Infectious Disease	12	50	100	49	211	#2	
Wildfire	20	35	60	70	185	#3	
Winter Storm	20	30	60	70	180	#4	
Flood	20	20	60	70	170	#5	*Middle Tier*
Drought	20	30	50	63	163	#6	
Windstorm	20	20	50	70	160	#7	
Landslide	10	15	30	70	125	#8	
Earthquake (Crustal)	2	25	50	21	98	#9	*Bottom Tier*
Volcano	2	5	50	7	64	#10	

OEM Methodology

- **HISTORY** is the record of previous occurrences.
  LOW = Zero to One event past 100 years (1 to 3 points)
  MODERATE = Two to Three events in past 100 years (4 to 7 points)
  HIGH = Four or more events in past 100 years (8 to 10 points)
  Weight Factor: x2

- **PROBABILITY** is the likelihood of future occurrences within a specified period of time.
  LOW = one incident likely within 75 to 100 years scores (1 to 3 points)
  MODERATE = one incident likely within 35 to 75 years scores (4 to 7 points)
  HIGH = one incident likely within 10 to 35 years scores (8 to 10 points)
  Weight Factor: x5

OEM Methodology (cont'd)

- **VULNERABILITY** is the percentage of population and property likely to be affected under an "average" occurrence of the hazard.
  LOW = less than 1% affected (1 to 3 points)
  MODERATE = between 1 and 10% affected (4 to 7 points)
  HIGH = more than 10% affected (8 to 10 points)
  Weight Factor: x10

- **MAXIMUM THREAT** is the highest percentage of population and property that could be impacted by the worst-case scenario.
  LOW = Less than 5% affected (1 to 3 points)
  MODERATE = 5 to 25% affected (4 to 7 points)
  HIGH = more than 25% affected (8 to 10 points)
  Weight Factor: x7

Hazard Vulnerability Assessment (2018)

Hazard	History	Vulnerability	Maximum Threat	Probability	Total Threat Score
Drought	20	30	50	63	163
Earthquake (Cascadia)	2	50	100	70	222
Earthquake (Crustal)	2	25	50	21	98
Emerging Infectious Disease	12	50	100	49	211
Flood	12	50	100	49	211
Landslide	10	15	30	70	125
Volcano	2	5	50	7	64
Wildfire	20	35	60	70	185
Windstorm	20	20	50	70	160
Winter Storm	20	30	60	70	180

Hazard Vulnerability Assessment
New Hazards

Hazard	History	Vulnerability	Maximum Threat	Probability	Total Threat Score
Air Quality					
Drought	20	30	50	63	163
Earthquake (Cascadia)	2	50	100	70	222
Earthquake (Crustal)	2	25	50	21	98
Emerging Infectious Disease	12	50	100	49	211
Extreme Heat					
Flood	12	50	100	49	211
Landslide	10	15	30	70	125
Volcano	2	5	50	7	64
Wildfire	20	35	60	70	185
Windstorm	20	20	50	70	160
Winter Storm	20	30	60	70	180

Hazard Vulnerability Assessment
New Hazards

Hazard	History	Vulnerability	Maximum Threat	Probability	Total Threat Score
Air Quality	18	40	70	63	191
Extreme Heat	20	25	70	70	185

Hazard Vulnerability Assessment (2018)

Hazard	History	Vulnerability	Maximum Threat	Probability	Total Threat Score	Hazard Rank	Hazard Tiers
Earthquake (Cascadia)	2	50	100	70	222	#1	*Top Tier*
Emerging Infectious Disease	12	50	100	49	211	#2	
Wildfire	20	35	60	70	185	#3	
Winter Storm	20	30	60	70	180	#4	
Flood	20	20	60	70	170	#5	*Middle Tier*
Drought	20	30	50	63	163	#6	
Windstorm	20	20	50	70	160	#7	
Landslide	10	15	30	70	125	#8	
Earthquake (Crustal)	2	25	50	21	98	#9	*Bottom Tier*
Volcano	2	5	50	7	64	#10	

Hazard Vulnerability Assessment (2023)

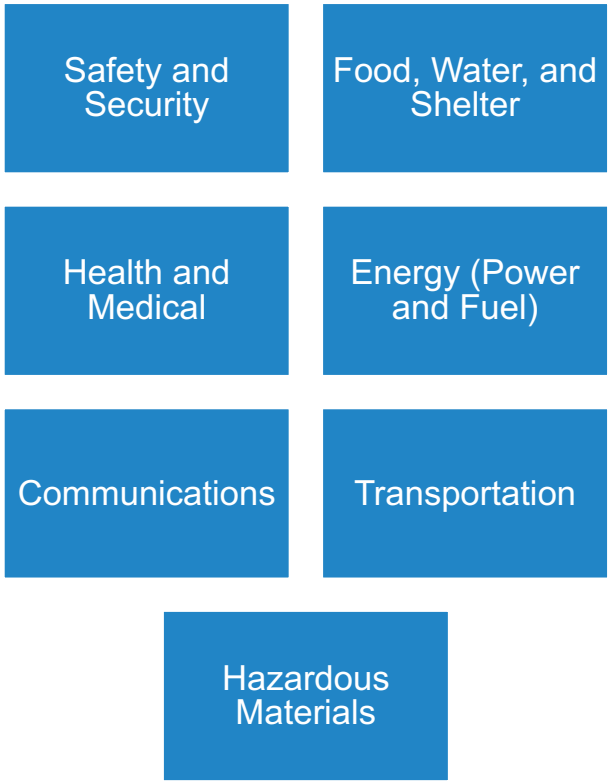
Hazard	History	Vulnerability	Maximum Threat	Probability	Total Threat Score	Hazard Rank	Hazard Tiers
Wildfire	20	40	70	70	200	#1	
Earthquake (Cascadia)	2	40	100	49	191	#2	*Top Tier*
Extreme Heat Event	20	30	60	70	185	#3	
Air Quality	18	40	60	63	181	#4	
Winter Storm	20	30	60	70	180	#5	
Windstorm	20	25	60	70	175	#6	*Middle Tier*
Flood (Riverine)	20	20	60	70	170	#7	
Drought	20	30	50	63	163	#8	
Emerging Infectious Disease	16	25	70	49	160	#9	
Landslide	10	15	30	70	125	#10	*Bottom Tier*
Earthquake (Crustal)	2	15	30	21	68	#11	
Volcano	2	5	50	7	64	#12	

New in 2023 Update

Increase from 2018 NHMP

Decrease from 2018 NHMP

Community Lifelines



- FEMA: “A community lifeline enables the continuous operation of critical business and government functions and is essential to human health and safety or economic security.”
- Any that are missing on the list sent out?

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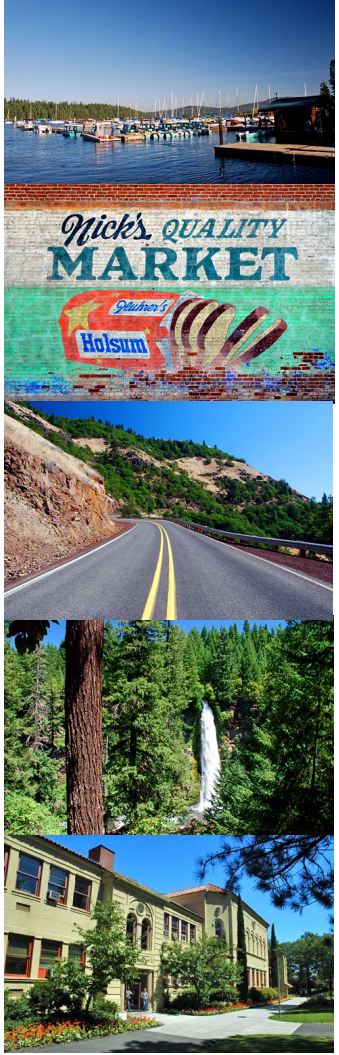

Natural Hazard Events Since July 2018

- 2018:
  Wildfires: Garner Fire Complex, Ramsey Canyon Fire
- 2019: N/A
- 2020:
  Wildfires: Almeda Glendower Fire, South Obenchain Fire, Oregon Wildfires*, Oregon Wildfires and Straight-line Winds*
  Emerging Infectious Disease: COVID-19 Pandemic*
  Drought
- 2021: Drought
- 2022: Drought

*Declared across many/all counties in Oregon (not isolated to Jackson County)
Drought: Governor-declared, not federally declared

Lessons for Action Items

- What are lessons learned from recent natural hazard events that we will not find in written plans?

  For wildfires?

  For droughts?

  For emerging infectious diseases?

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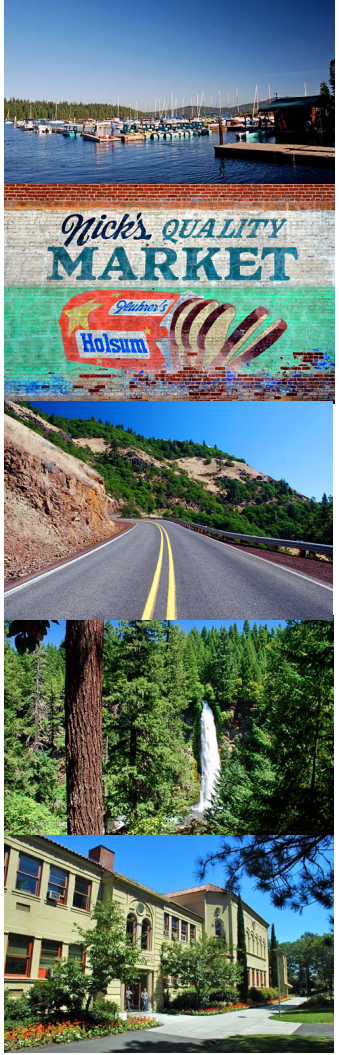

First

Update Phase

Kickoff Meeting ✓	Meeting 2 ✓	Meeting 3 ✓	1:1 Meetings	Meeting 4	Public Comment
October 28, 2022	November 30, 2022	February 3, 2023	February/ March, 2023	February/ March, 2023	March 17, 2023

Second

Review Phase

NHMP Elements

What to expect from OPDR:

- Prepare action items suggestions
- Produce the Policy Crosswalk
- Facilitate 1:1 meetings with jurisdictions
- Write and deliver addenda for each participating city and special district

What we expect from you:

1. Schedule your jurisdiction's 1:1 addendum meeting

1a. Appoint a "convener" to assist in scheduling 1:1 meetings

1b. Submit the scheduling form at https://oregon.qualtrics.com/jfe/form/SV_3W2yV7zgbyGgihM

1c. Invite strategic partners (e.g. appointed committee members, school district staff, utility providers, etc.)

2. Provide OPDR with necessary information (County and cities only)

2a. Finish the Action Items Spreadsheet (https://tinyurl.com/JaCoNHMPActions)
Missing/Incomplete Info: Jackson County, Ashland, Butte Falls, Eagle Point, and Shady Cove

2b. Send development info since July 2018 to wsulliv2@uoregon.edu
Missing/Incomplete Info: Jackson County, Eagle Point, Jacksonville, Phoenix (development only, aware of potential annexation), Rogue River, Shady Cove, and Talent

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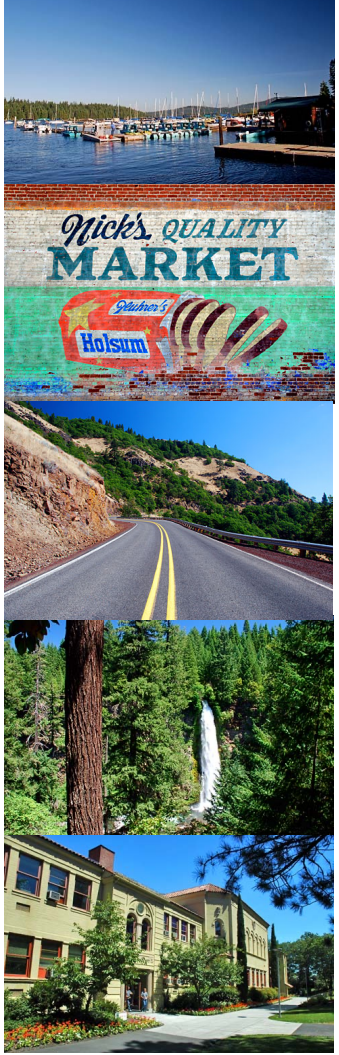

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Second

Review Phase

Second Review Phase

OEM Review	OEM Comments	Complete Edits	FEMA Review	FEMA APA	Local Adoption
April 3, 2023	May 5, 2023	May 12, 2023	May 12, 2023	June 26, 2023	Summer 2023

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

Thanks!

Any questions?

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Credits

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