



**Umatilla County NHMP
Bi-Annual Plan Maintenance Meeting
Thursday January 27, 2022 from 2-3:30 pm**

Meeting ID

meet.google.com/hdh-vnhd-ksw

Phone Numbers

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AGENDA

- I. Welcome, Introductions & Sign-In
- II. Discuss Upcoming Funding Opportunities
- III. Mitigation Action Items
 - Review Existing Projects Underway
 - Future Project Prioritization
- IV. Identify New Issues Not Included in 2021 Plan
- V. Announcements from County Emergency Management
- VI. Roundtable Discussion

Attachments:
NHMP Action Items

Table 3-1 Umatilla County Multi-Jurisdictional NHMP Mitigation Actions

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Current Status in 2021 NHMP	Retain/ Modify/ Delete
Multi-Hazard (MH) Actions: High Priority							
Short-Term MH #1	Develop and implement a public awareness campaign regarding natural hazards and natural hazards safety and tools to achieve disaster resistance. Emphasize outreach with and about vulnerable populations. Build relationships and collaboration with utilities. Refer to the Umatilla County NHMP Natural Hazards Outreach Calendar in the appendices of the <i>2021 Umatilla County NHMP</i> for hazards to focus outreach efforts on each month, as well as partners to collaborate with.	Umatilla County Emergency Management (UCEM)	OPDR, FEMA, OEM, ODOT, NWS, ACOE, Fire Corps, Citizen Groups, Cities, Clearview Disability Resource Center, Pacific Power, Umatilla Electric Co-op, utilities, CTUIR Note: ORS 401.305 regarding county and city emergency management	On-going	1-5	Actively worked on each year. UCEM has done outreach. Darrin from Clearview noted they have done outreach to folks about how to interact with vulnerable populations.	Retain and modify. Add Pacific Power and Umatilla Electric Co-op as partners. Add language on this one specific to vulnerable population outreach. Need to ascertain best ways to reach vulnerable populations “take the table to them.” Add language about outreach efforts with utilities.
Short-Term MH #2	Maintain Storm Ready Community designation for Umatilla County. Work with Cities and Tribes to have them become Storm Ready Communities.	UCEM	NOAA/NWS, response agencies, Cities, Tribes, utilities	2 years	2, 4	Umatilla County is a Storm Ready Community. This must be renewed every 3 years; due for renewal in 2021.	Retain and modify. Cities and Tribes can be Storm Ready Rating Communities. Revise language to include them.
Short-Term MH #3	Provide bilingual publications about emergency preparedness and natural hazard awareness and conduct targeted outreach with Hispanic community.	UCEM	NOAA/NWS, Cities	2 years	1-6	New mitigation action	New mitigation action

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Short-Term MH #4	At least twice per year at the Emergency Action Committee meetings (led by Umatilla County), review and discuss the <i>2021 Umatilla County NHMP</i> mitigation actions. At the meetings that the NHMP is discussed, invite the 2020-2021 Umatilla County NHMP Steering Committee.	UCEM and Umatilla County Planning	Cities	2x/year	1-6	New mitigation action	New mitigation action
Long-Term MH #1	Utilize central location of Umatilla County EOC to create an emergency management and information hub for NE Oregon.	UCEM	Counties, Cities, response agencies, private EM crews, FEMA, OEM, ARC, ODOT, ODF, DOGAMI, DSL, USACE, USFS, CTUIR	5-12 years	1-6	Many discussions have occurred. However, at this time it is unlikely that OEM will officially designate the Umatilla County EOC specifically as a regional hub.	Retain and modify. Keep focus on the region of NE Oregon.
Long-Term MH #2	County GIS staff are a hub for GIS information, including map generation and details on hazard prone areas. Information will be shared with and assistance provided to Cities as much as possible.	Umatilla County Planning	UCEM, CTUIR, DOGAMI, ODOT, utilities and transmission companies, FEMA, OEM, Cities, DLCD	On-going	1, 3-6	Accomplished. Planning Dept. has a planner with GIS skills. There is a GIS coordinator in Records.	Retain and modify. Cities like Umatilla have GIS capability in house but cities like Echo do not. Emphasize that County is a hub for data and assistance.
Long-Term MH #3	Umatilla County will explore disaster/ resilience planning around historic resources. Review the Oregon Heritage State Historic Preservation Office website on Disaster	Umatilla County Planning	UCEM, Cities, Oregon Heritage State Historic Preservation Office	5 years	1-6	New mitigation action	New mitigation action

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	Preparedness, Recovery, and Resilience https://www.oregon.gov/opr/OH/Pages/DisasterPrep.aspx . Summarize the information and potential ways to implement it in Umatilla County.						
Long-Term MH #4	Create a list of substandard access roads. Prioritize the roads on the list for the purpose of bringing roads up to current fire and life safety standards. Seek funding to upgrade the roads.	Umatilla County: Planning, Public Works, and Emergency Management	ODOT, CTUIR, OEM, ODF, USFS	5-10 years	1-4,-6	Bob says County Public Works has a list of roads and bridges; they will work to inventory and prioritize them.	Retain and modify. Moved to Long-Term MH as #4 instead of Long-Term WF. Renumber the Long-Term WF mitigation actions. Access roads are key for many hazards, not just wildfire.
Long-Term MH #5	Purchase two portable back-up generators.	Stanfield	Umatilla County, Energy Trust, funding sources	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #6	Purchase a bucket truck.	Stanfield	Umatilla County, funding sources	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #7	Purchase a front wheel loader.	Stanfield	Umatilla County, funding sources	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #8	Communication: Assist with change of Public Works SCADA.	Pendleton	Umatilla County, CTUIR	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #9	ICS: Command Center upgrades at Fire Station #1 for future emergency response.	Pendleton	Umatilla County, OEM	5 years	1-6	New mitigation action	New mitigation action

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Long-Term MH #10	ICS: Automatic transfer switch for generator at City Hall for use as command post.	Pendleton	Umatilla County	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #11	ICS: Training for staff that is position specific.	Pendleton	Umatilla County, OEM, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #12	To improve redundancy, obtain back-up generators at key booster stations with automatic transfer switch.	Pendleton	Umatilla County, Energy Trust	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #13	Purchase back-up generators for water system wells.	Milton-Freewater	OEM, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #14	Purchase back-up generators for emergency communications system.	Milton-Freewater	OEM, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #15	Purchase back-up generators for fire stations #1 and #2.	Milton-Freewater	OEM, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #16	Purchase sandbag filling station.	Milton-Freewater	OEM, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #17	Purchase back-up generators for Public Works Building.	Milton-Freewater	OEM, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #18	Purchase back-up generators for wastewater system lift stations.	Milton-Freewater	OEM, FEMA	5 years	1-6	New mitigation action	New mitigation action

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Long-Term MH #19	ICS Command Center/ EOC upgrades at library for future emergency use.	Milton-Freewater	OEM, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term MH #20	Discuss with EOTEC the use of the Umatilla County fairgrounds as a large scale evacuation center. Discuss possible upgrades to the RV park, the Event Center, and Animal Areas. Develop plans to design, fund, and implement the upgrades.	Umatilla County Emergency Management (UCEM) and Eastern Oregon Trade and Event Center (EOTEC)	City of Hermiston, Clearview Disability Resource Center, CTUIR, OEM, FEMA,	Short term and long term steps. Short term: secure agreements and perform assessment. Long-term: stage supplies and plan for potential upgrades and grant applications.	1-6	New mitigation action	New mitigation action
Wildfire (WF) Actions: High Priority							
Short-Term WF #1	Work with agriculture and conservation groups to establish fire buffers between both forest and range wildland urban interface areas.	Fire Defense Board	OEM, NRCS, ODA, USDA, SWCD, UCEM, agricultural community, UCEM, ODF, local fire districts	3-5 years	1-5	In process. Discussion noted the Governor's Wildfire Council's recommendations. Also that ODF works with County and Fire Defense Board on this.	Retain. Add partner organizations.
Short-Term WF #2	Seek funding for additional UCEM staff. The new staff focus on all hazards, including fire prevention planning and education.	UCEM	ODF, USFS, CTUIR, response agencies, private fire companies	1-2 years	1-5	Tom is working on getting funding for two positions at UCEM. One position would have responsibility for fire	Retain and modify.

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						prevention planning and education.	
Short-Term WF #3	Obtain local fire location GIS data for Umatilla County from the Oregon State Fire Marshal's Office.	Umatilla County Planning and UCEM	Umatilla County Fire District #1, fire districts in Umatilla County, Oregon State Fire Marshal's Office, DLCD	2-3 years	1-6	New mitigation action	New mitigation action
Long-Term WF #1	Work with people in Umatilla County to provide fire protection throughout the County via rural, forest, or rangeland fire districts and other applicable fire districts.	UCEM	ODF, UCEM, CTUIR, BLM, USFS, BOC, Cities	next 5 years	1-2, 4-6	In process.	Retain and modify. ODF staff notes much of Umatilla County is not in a rural fire district. Working to add areas to fire districts.
Long-Term WF #2	Complete feasibility studies of biomass potential on forest lands. Create incentive funding to test biomass technology in Umatilla County.	Umatilla County Economic Development	ODF, USFS, OECDD, State of Oregon, OEM, FEMA, Greater Eastern Oregon Development Corporation (GEODC)	5-10 years	1-6	No progress on the biomass feasibility studies. ODF noted that they have a Cohesive Wildfire Strategy Coordinator position that is cooperatively funded in NE Oregon.	Retain. There are three CWPPs in Umatilla County: Blue Mountain Foothills Region CWPP, West County CWPP, and the Mill Creek OR & Walla Walla WA CWPP These need to be updated.
Long-Term WF 3	Support removal/reduction of biomass fire hazards on private and public lands.	ODF	UCEM, USFS, State of Oregon	On-going	1-2, 4-6	Matt and Tom note ODF fuels reduction has been done. Funding from ODF can be obtained for that work. NRCS also has potential funding sources.	Retain. Governor's Wildfire Council recommendations from November 2019 provides info. https://www.oregon.gov/gov/policy/Pages/wildfirecouncil.aspx

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Current Status in 2021 NHMP	Retain/ Modify/ Delete
Long-Term WF #4	Develop upland storage ponds for wildlife benefit and to be used during wildland fire suppression efforts.	ODFW, ODF	UCEM, OWRD, DSL, CTUIR, landowners, fire districts, Special Districts, Cities, WWBWC	On-going	1-2, 4-6	On-going	Retain
Long-Term WF #5	Develop and adopt county wildfire safety standards for development in forested areas zoned residential.	Umatilla County Planning Department	UCEM, ODF, fire districts, landowners	3-5 years	1-4, 6	New mitigation action	New mitigation action
Long-Term WF #6	Fire training facility and grounds.	Pendleton	Umatilla County, CTUIR	5 years	1-6	New mitigation action	New mitigation action
Long-Term WF #7	Construct a new fire station in Weston.	East Umatilla Fire & Rescue District	City of Weston, Energy Trust	1-3 years	1-6	New mitigation action	New mitigation action
Flood (FL): High Priority							
Short-Term FL #1	Develop conservation easements and riparian plantings within mapped and unmapped floodplain areas and farmland with highly erodible soils.	Watershed councils such as the Walla Walla River Basin Watershed Council	UCSWCD, NRCS, ODA, USDA, CTUIR, Wheat League, Blue Mountain Land Trust, Riverside – Mission Water Control District, Milton-Freewater Water Control District, Walla Walla River Irrigation District, Stanfield Irrigation District, Hermiston Irrigation District, Westland Irrigation District,	1-5 years	1-5	Work is on-going. Work has been done and will continue with watershed councils and UCSWCD. Bank stabilization and restoration or priority actions. Post 2019 flood recovery group has been working on that. UCSWCD is leading that. The post 2020 flood recovery group that will work on this too.	Retain and modify.

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			Teel Irrigation District, West Extension Irrigation District, Gardena Farms Irrigation District, Hudson Bay District Improvement Co, FEMA, USACE, USDA				
Short-Term FL #2	Identify areas able to absorb high-velocity streamflows w/o impacting investments (i.e. re-establish or create artificial floodplains). Establish connectivity and diversion infrastructure to be utilized during high water events to divert high water to these areas.	NRCS, UCSWCD, WWBWC	UBWC, CTUIR, ODFW, USFWS, BOR, USACE, special districts, landowners	1-5 years	1-5	Watershed councils and irrigation districts have worked to remove two dams -Brownell Dam and Dillon Dam- on the Umatilla River.	Retain.
Short-Term FL #3	Maintain the database of all landowners within the FEMA Special Flood Hazard Areas in the County. Continue outreach throughout the community, in unincorporated areas and in cities, regarding floods and flood insurance. Use AlertSense for emergency notices and information sharing as appropriate.	Umatilla County Planning and UCEM	County, FEMA, OEM, Cities, DLCD, NWS, UCSWCD, Watershed Councils	On-going	2-4	They have an inventory of properties in the floodplain. They have not done a mailer to each property. They do outreach out floods and flood insurance. Outreach on-going from Planning and from UCEM. We use AlertSense and have the capability to access iPaws and WEA through it. These capability's combined give us either subscription based	Retain and modify. Having a collaboration using the skills and tools of both the Planning and Emergency Management Departments provides excellent information and tools to people in unincorporated areas and incorporated cities.

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						notifications and/or for targeting as well as county wide. We also have cross county capacity within AlertSense with Morrow Co (and discussing possibility future cross Co with Grant and Union) so we can activate one another's systems if necessary.	
Short-Term FL #4	Aerial mapping of Umatilla River, including impacts to levees.	Pendleton, USACE	DLCD	Begin in 2021	1-6	New mitigation action	New mitigation action
Short-Term FL #5	Work with FEMA to correct the FEMA maps related to McKay Creek.	Pendleton, FEMA, USACE	DLCD		1-6	New mitigation action	New mitigation action
Short-Term FL #6	McKay Creek watershed basin analysis and alert system evaluation for the McKay Creek Dam.	Pendleton	DLCD, Bureau of Reclamation, USACE Silver Jackets		1-6	New mitigation action	New mitigation action
Short-Term FL #7	Mapping the Umatilla River with drones. Developing a management plan for the river.	Echo, NRCS, UCSWCD	DLCD		1-6	New mitigation action	New mitigation action
Short-Term FL #8	Channel Migration Study for Umatilla River and Lower McKay Creek	DOGAMI	Umatilla County, Pendleton, Echo, Stanfield, Hermiston, Umatilla, CTUIR, ODOT, landowners	2 years	1-6	New mitigation action	New mitigation action

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Current Status in 2021 NHMP	Retain/ Modify/ Delete
Short-Term FL #9	McKay Creek Bank Stabilization	Pendleton	UCSWCD, McKay Creek Water Control District, Umatilla County	2-3 years	1-6	New mitigation action	New mitigation action
Long-Term FL #1	The Planning, Emergency Management, and Public Works staff collaborate to identify and map areas not on the FEMA FIRM maps that are susceptible to high water and flash flood events. Identify and map roads and infrastructure in these areas.	Umatilla County Planning	UCEM, GIS, FEMA, DSL, USACE, CTUIR, OEM, response agencies, NOAA, Umatilla County Public works	5 years	1-4	Tom and Bob have noted several areas prone to floods that are not identified on flood maps.	Retain and modify. Planning, Emergency Management, and Public Works need to collaborate on this one.
Long-Term FL #2	Make a list of existing berms and levees in Umatilla County. Identify the ownership/sponsorship (who is responsible for the operation and maintenance of the levee or berm?). Evaluate the status of the levees (do they meet USACE standards?). Prioritize the list related to repair or replacement. Seek funding for the repair and replacement work.	Cities	FEMA, OEM, USACE, DSL, CTUIR, ODFW, special districts, Umatilla County Planning, Umatilla County, Emergency Management Umatilla County Public Works, Cities, Silver Jackets, Milton-Freewater Flood Control District	5 years	1-4	No work occurred on the list since the <i>2014 Umatilla County NHMP</i> . Milton-Freewater recertified their levee.	Retain and modify.
Long-Term FL #3	Identify public and private bridges susceptible to collecting flash flood debris. Prioritize bridge improvements and/ or replacement. Each	Umatilla County Public Works, Cities	ODOT, USACE, CTUIR, FEMA, DSL, UCEM, County Planning, UCSWCD, Cities	5 years	1, 3,4, 6	Tom and Bob state that Public Works could probably provide this list for Umatilla County. It may be harder to	Retain and modify.

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	jurisdiction would do this for the bridges in within their jurisdiction.					identify private bridges than public ones.	
Long-Term FL #4	Consider areas in Umatilla County and the cities that may be good for flood mitigation through acquisition, removal of existing buildings, and restoration work.	Umatilla County, Pendleton, Milton-Freewater, Hermiston, Athena, Weston, Ukiah, Echo, Stanfield, Umatilla, Adams, Helix, Pilot Rock	DLCD, OEM, FEMA, Silver Jackets,	On-going	1-6	New mitigation action	New mitigation action
Long-Term FL #5	Identify places throughout Umatilla County, in the cities and unincorporated areas, to set up sandbagging stations. Identify equipment and supplies needed.	UCEM	Cities, OEM	5 years	1-6	New mitigation action	New mitigation action
Long-Term FL #6	Conduct flood mitigation/reduction feasibility study for Umatilla River at Riverside.	Pendleton	Umatilla County, OEM, DLCD, USACE, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term FL #7	New levee to protect McKay neighborhood.	Pendleton	Umatilla County, OEM, DLCD, USACE, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term FL #8	Updated floodplain maps.	Pendleton	Umatilla County, OEM, DLCD, USACE, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term FL #9	Basin analysis.	Pendleton	Umatilla County, watershed	5 years	1-6	New mitigation action	New mitigation action

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			councils, irrigation districts, USACE				
Long-Term FL #10	Alert system/water measuring capabilities on McKay and Umatilla Basin.	Pendleton	Umatilla County, watershed councils, irrigation districts, USACE	5 years	1-6	New mitigation action	New mitigation action
Long-Term FL #11	Certify levee system south of I-84 on the River.	Pendleton	Umatilla County, OEM, DLCD, USACE, FEMA	5 years	1-6	New mitigation action	New mitigation action
Long-Term FL #12	Aquifer Storage and Recovery (ASR): Expansion of water filtration plant and other wells to further slow the decline of groundwater wells.	Pendleton	Umatilla County, watershed councils, irrigation districts, USACE	5 years	1-6	New mitigation action	New mitigation action
Long-Term FL #13	Possibly move Public Works facilities away from levee protection to higher ground at airport.	Pendleton	Umatilla County, watershed councils, irrigation districts, USACE	5 years	1-6	New mitigation action	New mitigation action
Long-Term FL #14	New levee to protect Riverside.	Pendleton	Umatilla County, OEM, DLCD, USACE, FEMA	5 years	1-6	New mitigation action	New mitigation action
Severe Summer Storms and Severe Winter Storms (SS): High Priority							
Long-Term SS #1	Identify opportunities to advance NOAA/NWS warning coverage via wireless and non-wireless infrastructure.	UCEM	NOAA/NWS, OEM, OSP, ODOT, CTUIR, landowners, Cities	5 years	1, 3, 4, 6	Umatilla County has AlertSense. Messages can be sent to people throughout the County, in cities and unincorporated areas.	Retain.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Current Status in 2021 NHMP	Retain/ Modify/ Delete
Long-Term SS #2	Continue to advance the use of communication tools such as AlertSense, WEA, and others to convey hazard and emergency information throughout Umatilla County.	UCEM	NOAA/NWS, OEM, FEMA, OSP, CTUIR, special districts, Cities	5 years	1, 3, 4, 6	Umatilla County still uses the radios but they do not have the distribution program any more. The AlertSense and WEA systems provide communication via text and computer.	Retain.
Long-Term SS #3	The Umatilla County Road Department prioritizes their snow removal efforts for the unincorporated areas within their jurisdiction. They are able to consider making agreements for assistance with other jurisdictions, especially the small Cities in Umatilla County, as needed. The County and the Cities should discuss the Cities' needs, identify if the County can assist, and as applicable begin making agreements to address the needs.	UCEM	Cities, response agencies, special districts, ODOT	5 years	1, 3, 4, 6	Umatilla County has sufficient equipment and personnel to open roads (1700 miles worth, and those are prioritized related to school and work routes) within two days of a winter storm. There is an agreement with ODOT to provide assistance as available. Cities that have sufficient equipment: Pilot Rock, Athena, Hermiston, Umatilla, Weston, Milton-Freewater. Pendleton has little capacity and Echo has none.	Retain and modify.
Long-Term SS #4	Obtain funding and purchase a truck and plow for snow removal. Consider purchasing other snow removal equipment.	City of Echo	UCEM, OEM, cities	5 years	1, 3, 4, 6	New mitigation action	New mitigation action
Long-Term SS #5	Consider adding tasks to an existing committee or creating new committee to	UCEM, Clearview Disability Resource Center	Cities,	5 years	1-4, 6	New mitigation action	New mitigation action

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	evaluate, identify, and make recommendations for improving access for vulnerable populations in relationship to natural hazards.						
Long-Term SS #6	Snow: Obtain hydraulic blades for sanding trucks for arterial routes.	Pendleton	Umatilla County	5 years	1-6	New mitigation action	New mitigation action
Long-Term SS #7	Obtain funding to purchase snow removal equipment.	Adams	Umatilla County, OEM, Cities	5 years	1, 3, 4, 6	New mitigation action	New mitigation action
Earthquake (EQ): Medium Priority							
Long-Term EQ #1	Identify the resources needed to do a County-wide assessment of buildings/structures in the unincorporated areas and the Cities. The buildings/structures would be evaluated for vulnerability to seismic activity. With that information, a priority list would be made for retrofits or replacements.	UCEM	OEM, FEMA, Cities, Special Districts	5 years	1, 3, 4, 6	Umatilla County has not done an inventory, nor have the cities. The priority and capacity to do this is limited, but the group supports it.	Retain and modify. Change from Short-Term to Long-Term.
Long-Term EQ #2	Support continuing work to identify all fault patterns in Umatilla County.	UCEM	DOGAMI, USGS, OWRD, CTUIR, County Planning	On-going	1, 3, 4, 6	Bob says 4-5 years ago the USGS looked at fault lines in NE Umatilla County. Funding was an issue and doing fieldwork in a pandemic. Work will re-commence.	Retain.

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Volcano (VO)							
Short-Term VO #1	Identify and establish volcano response protocols (e.g. impacts from seismic activity, ashfall, and debris) that include but are not limited to information about communication, tools, supplies, and vulnerable populations.	UCEM	FEMA, OEM, NOAA/NWS, ODOT, OSP, CTUIR, Cities, response agencies, special districts	1 year On-going	1, 3, 4, 6	No progress has been made since the 2014 Umatilla County NHMP.	Retain and modify.
Landslide/ Debris Flow (LS): Low Priority							
Short-Term #1 LS	Update Goal 7 of the Umatilla County Comprehensive Plan and develop GIS maps designating landslide prone areas or areas where the Steep Slope Overlay Zone applies. Check to see if Cities need assistance with mapping or codes.	Umatilla County Planning	DOGAMI, DLCD, UCEM, landowners, Cities	1 year	1, 3-6	Umatilla County has a steep slope overlay and maps. He will check the date of adoption. Hermiston has steep slope maps. No other cities identified steep slope areas.	Retain and modify.
Long-Term #1 LS	Use the Critical /Essential Facilities, Critical Infrastructure, and Vulnerable Population Centers List included in the <i>2021 Umatilla County NHMP</i> to identify assets that are potentially impacted from landslides. Map these assets. Identify and implement mitigation measures for these assets.	UCEM	DOGAMI, Public Works, Cities, ODOT, CTUIR, ODF, USFS, special districts, utilities	3-10 years	1, 3-6	No progress.	Retain and modify.

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Drought (DR): Medium Priority							
Short-Term DR #1	Implement 2050 Water Management Plan for Umatilla Basin.	Umatilla County Planning	Cities of Echo, Stanfield, Umatilla, and Hermiston, Task Force, USWS, BOR, USACE, CTUIR, FEMA, NOAA, DSL, OWRD, ODA, OECDD, ODFW, UBWC, landowners, Special Districts	On-going	1-5	Water Management Plan has been adopted. Work is on-going. Some work has been completed while some has yet to be done.	Retain.
Long-Term DR #1	Utilize Columbia River water for replacement of certificated groundwater irrigation rights.	Umatilla County	BOR, CTUIR, State of Oregon, OWRD, landowners, Special Districts	10-20 years	1, 3-5	Work is on-going. Bob says Umatilla County is facilitating this dialogue.	Retain and modify. Changed coordinating organization to "Umatilla County."
Long-Term DR #2	Obtain funds to develop groundwater plans, ensure water supply sustainability, and implement recharge projects.	Umatilla County	CTUIR, USGS, OWRD, landowners, Special Districts, Walla Walla Basin Watershed Council	5-10 years	1-5	Work is on-going.	Retain and modify. Changed coordinating organization to Umatilla County.
Air Quality (AQ) new in 2021 Umatilla County NHMP: High Priority							
Short-Term AQ #1	Collect data of the current uncertified woodstove use in Pendleton.	Pendleton	Air Quality Commission, DEQ	Within 3 years	1-6	New mitigation action.	New mitigation action
Short-Term AQ #2	Perform an air quality study of the contributing factors to air pollution.	Pendleton	Air Quality Commission, DEQ	Within 3 years	1-6	New mitigation action.	New mitigation action

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Long-Term AQ #1	Review existing fleet vehicle information and converting from gas to alternative fuels.	Pendleton	Air Quality Commission, DEQ	5 years	1-6	New mitigation action	New mitigation action
Long-Term AQ #2	Provide on-site improvement: bikeways, transit infrastructure, and pedestrian enhancements.	Pendleton	Air Quality Commission, DEQ, Umatilla County	5 years	1-6	New mitigation action	New mitigation action
Long-Term AQ #3	Identify energy conservation requirements and what can be done to go beyond those.	Pendleton	Air Quality Commission, DEQ	5 years	1-6	New mitigation action	New mitigation action
Long-Term AQ #4	Research and prepare a wildfire air quality operation plan.	Pendleton	Air Quality Commission, Umatilla County, ODF, USFS, DEQ	5 years	1-6	New mitigation action	New mitigation action
Long-Term AQ #5	Purchase respirators.	Stanfield	Umatilla County, funding sources	5 years	1-6	New mitigation action	New mitigation action
Long-Term AQ #6	Provide on-site improvement: bikeways, transit infrastructure, and pedestrian enhancements.	Umatilla County, Cities of Echo, Umatilla, Hermiston, and Stanfield	Air Quality Commission, DEQ, Pendleton	5 years	1-6	Net mitigation action	New mitigation action
Long-Term AQ #7	Develop the monitoring aspect of the Umatilla County Smoke Management Program. Have Umatilla County purchase and install air quality monitors throughout Umatilla County to enable Umatilla County to better capture	Umatilla County Smoke Management and Planning Department	Pendleton, CTUIR, DEQ, NWS/NOAA	5 years	1-6	New mitigation action	New mitigation action

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Current Status in 2021 NHMP	Retain/ Modify/ Delete
	micro climate data and enable more specific and flexible decision-making based on conditions in a geographic area. Umatilla County will train their staff and the public about the air quality monitors owned by Umatilla County.						

Source: Tricia Sears, DLCD, and the Umatilla County NHMP Steering Committee, 2020-2021

By request of the Umatilla County Emergency Manager, the following information is included here, in the 2021 Umatilla County NHMP, as an explanation of emergency management for jurisdictions, as excerpted from ORS 401.305 Emergency management agency of city, county or tribal government.

[ORS 401.305 - Emergency management agency of city, county or tribal government - 2020 Oregon Revised Statutes \(oregonlaws.org\)](http://oregonlaws.org)

(1)As used in this section, “tribal government” means a federally recognized sovereign tribal government operating within the borders of this state or an intertribal organization formed by two or more federally recognized sovereign tribal governments operating within this state.

(2)Each county of this state shall, and each city or tribal government may, establish an emergency management agency that is directly responsible to the executive officer or governing body of the county, city or tribe.

(3)The executive officer or governing body of each county, and any city or tribe that participates, shall appoint an emergency program manager who is responsible for the organization, administration and operation of the emergency management agency, subject to the direction and control of the county, city or tribe.

(4)When a city or tribal government has an emergency management agency, the city or tribal government, as applicable, and the counties within which the city or tribal government operates shall jointly establish policies that:

(a)Provide direction and identify and define the purpose and roles of the individual emergency management programs;

(b)Specify the responsibilities of the emergency program managers and staff; and

(c)Establish lines of communication, succession and authority of elected officials for an effective and efficient response to emergency conditions.

(5) Each emergency management agency shall perform emergency program management functions within the territorial limits of the county, city or tribal government and may perform the functions outside the territorial limits as required under any mutual aid or cooperative assistance agreement or as requested and authorized by the county or city in whose territorial limits the emergency functions are performed.

(6) The emergency management functions include, at a minimum:

(a) Coordination of the planning activities necessary to prepare and maintain a current emergency operations plan, management and maintenance of emergency operating facilities from which elected and appointed officials can direct emergency and disaster response activities;

(b) Establishment of an incident command structure for management of a coordinated response by all local emergency service agencies; and

(c) Coordination with the Office of Emergency Management to integrate effective practices in emergency preparedness and response as provided in the National Incident Management System established by the Homeland Security Presidential Directive 5 of February 28, 2003. [1983 c.586 §12; 1993 c.187 §9; 2005 c.825 §11; 2013 c.189 §2]

¹ Legislative Counsel Committee, *CHAPTER 401—Emergency Management and Services*, https://www.oregonlegislature.gov/bills_laws/ors/ors401.html (2019) (last accessed May 16, 2020).

² Legislative Counsel Committee, *Annotations to the Oregon Revised Statutes, Cumulative Supplement - 2019, Chapter 401*, https://www.oregonlegislature.gov/bills_laws/ors/ano401.html (2019) (last accessed May 16, 2020).

³ OregonLaws.org assembles these lists by analyzing references between Sections. Each listed item refers back to the current Section in its own text. The result reveals relationships in the code that may not have otherwise been apparent. [Currency Information](#)

Number of existing mitigation actions from the 2014 Umatilla County NHMP: 36

Number of existing mitigation actions by hazard: multi-hazard =6, wildfire = 8, flood =6, severe summer storms = 3, severe winter storms = 4, earthquake =2, volcano =1, landslide/debris flows =2, drought =4, and air quality = NA (new in 2020).

Table 3-2 Umatilla County and Cities NHMP Mitigation Actions 2014 Status

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
Multi-Hazard (MH) Actions								
Short-Term MH #1	Complete city addendums to Umatilla County NHMP.	Umatilla County Planning	Incorporated cities of Umatilla County	On-going	1-6	3 out of 12 city plans adopted.	The 2020-21 NHMP has all 12 of the incorporated cities. The city information will be integrated rather than as separate addendums.	Delete. The Steering Committee agreed it was unnecessary to include this as a mitigation action.
Short-Term MH #2	Develop and implement a public awareness campaign regarding natural hazards and natural hazards safety and tools to achieve disaster resistance.	Umatilla County Emergency Management (UCEM)	OPDR, FEMA, OEM, ODOT, County/City EM, NWS, ACOE, Fire Corps, Citizen Groups	On-going	1-5	Actively worked on each year.	UCEM has done outreach, talk to Tom for more info. Darrin from Clearview noted they have done outreach to folks about how to interact with vulnerable populations.	Retain and modify. Add Pacific Power and Umatilla Electric Co-op as partners. Create new mitigation action or bullet point on this one specific to vulnerable population outreach. Need to ascertain best ways to reach vulnerable

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
								populations "take the table to them." Create one bullet point about outreach efforts with utilities.
Short-Term MH #3	Develop Storm Ready Rating Community.	UCEM	NOAA/NWS, response agencies	2 years	2, 4	New mitigation action in 2013.	Umatilla County is a Storm Ready Community. This must be renewed every 3 years; due for renewal in 2021.	Retain and modify. Cities and Tribes can be Storm Ready Rating Communities. Revise language to include them.
Long-Term MH #1	Utilize central location of Umatilla County EOC to create a regional emergency management and information hub for the Pacific Northwest.	UCEM	Counties, Cities, response agencies, private EM crews, FEMA, OEM, ARC, ODOT, ODF, DOGAMI, DSL, USACE, USFS, CTUIR	5-12 years	1-6	No progress.	Many discussions have occurred. However, at this time it is unlikely that OEM will officially designate it specifically as a regional hub.	Retain and modify. Keep focus on the region of NE Oregon.
Long-Term MH #2	Develop a County GIS Department to oversee map generation and upgrades of current and future hazard prone areas.	Umatilla County Planning	UCEM, CTUIR, DOGAMI, ODOT, City EM, utilities and transmission companies, FEMA, OEM	On-going	1, 3-6	Formed a GIS Department.	Accomplished. Planning Dept. has a planner with GIS skills. There is a GIS coordinator in Records.	Retain and modify. Cities like Umatilla have GIS capability in house but cities like Echo do not. Emphasize

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
								that County is a hub for data and assistance.
Long-Term MH #3	Develop an inventory/ database of utility facilities located in the County.	Umatilla County Planning	UCEM, CTUIR, DOGAMI, ODOT, City EM, utilities and transmission companies, special districts, FEMA, OEM	On-going 2 years	1, 3-6	New action in 2013	Accomplished. There is a robust map of utility lines and hubs.	Delete.
Wildfire (WF) Actions								
Short-Term WF #1	Work with agriculture and conservation groups to establish fire buffers between both forest and range wildland urban interface areas.	Fire Defense Board	OEM, NRCS, ODA, USDA, SWCD, County/City EM, agricultural community, UCEM	3-5 years	1-5	No progress	In process. Discussion noted the Governor's Wildfire Council's recommendations. Also that ODF works with County and Fire Defense Board on this.	Retain. Add partner organizations.
Short-Term WF #2	Seek funding for a full time County position to further fire prevention planning and education.	UCEM	ODF, USFS, CTUIR, response agencies, private fire companies	1-2 years	1-5	No progress	Tom is working on getting funding for two positions at UCEM. One position would have responsibility for fire prevention	Retain and modify.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
							planning and education.	
Long-Term WF #1	Work with citizens of Umatilla County to ensure that all areas are protected under a rural fire district.	UCEM	ODF, County/City EM, CTUIR, BLM, USFS, BOC	1-2 years	1-2, 4-6	No progress	In process.	Retain and modify. ODF staff notes much of Umatilla County is not in a rural fire district. Working to add areas to fire districts.
Long-Term WF#2	Identify substandard interface access roads and provide incentive funding to bring roads up to current fire and life safety standards. Begin with inventory of critical roads.	Fire Defense Board	ODOT, County Public Works, County Planning, CTUIR, OEM, UCEM, ODF, USFS	5-10 years	1-4,-6	No progress	Bob says County Public Works has a list of roads and bridges; they will work to inventory and prioritize them.	Retain and modify. Move to Long-Term MH as #4. Renumber the Long-Term WF mitigation actions. Access roads are key for many hazards, not just wildfire. Change Coordinating organization to Umatilla County
Long-Term WF #3	Provide logistics and grant writing support to Meacham Volunteer Fire Department to build a fire station that allows all	Meacham Rural Fire Department	UCEM	5-10 years	1,4,6	No progress	Meacham does not have a fire station.	Remove. Tom and Bob state that it is not a viable option at this time.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
	equipment to be stored at a central location.							
Long-Term WF #4	Complete feasibility studies of biomass potential on forest lands. Create incentive funding to test biomass technology in Umatilla County.	Umatilla County Economic Development	ODF, USFS, OECD, State of Oregon, OEM, FEMA	5-10 years	No goals are marked	No progress	No progress on the biomass feasibility study. ODF noted they have a Cohesive Wildfire Strategy Coordinator position; it is cooperatively funded in NE Oregon.	Retain. There are three CWPPs in Umatilla County: Blue Mountain Foothills Region CWPP, West County CWPP, and the Mill Creek OR & Walla Walla WA CWPP. These need to be updated.
Long-Term WF #5	Support removal/reduction of biomass fire hazards on private and public lands.	ODF	UCEM, USFS, State of Oregon	On-going	1-2, 4-6	New mitigation action in 2013	Matt and Tom note ODF fuels reduction has been done. Funding from ODF can be obtained for that work. NRCS also has potential funding sources.	Retain. Governor's Wildfire Council recommendations from November 2019 provides info. https://www.oregon.gov/gov/policy/Pages/wildfirecouncil.aspx
Long-Term WF #6	Develop upland storage ponds for wildlife benefit and to be used during wildland fire suppression efforts.	ODFW, ODF	UCEM, OWRD, DSL, CTUIR, landowners, districts, WWBWC	On-going	1-2, 4-6	No progress	On-going	Retain

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
Flood (FL)								
Short-Term FL #1	Develop conservation easements and riparian plantings within mapped and unmapped floodplain areas and farmland with highly erodible soils.	Watershed councils such as the Walla Walla River Basin Watershed Council	SWCD, NRCS, ODA, USDA, CTUIR, Wheat League, Blue Mountain Land Trust, Riverside – Mission Water Control District, Milton-Freewater Water Control District, Walla Walla River Irrigation District, Stanfield Irrigation District, Hermiston Irrigation District, Westland Irrigation District, Teel Irrigation District, West Extension Irrigation District, Gardena Farms Irrigation District, Hudson Bay District Improvement Co, FEMA	1-5 years	1-5	No progress	Work is on-going. Work has been done and will continue with watershed councils and UCSWCD. Bank stabilization and restoration or priority actions. Post 2019 flood recovery group has been working on that. UCSWCD is leading that. The post 2020 flood recovery group that will work on this too.	Retain and modify.
Short-Term FL #2	Identify areas able to absorb high-velocity streamflows w/o impacting investments	NRCS, SWCD, WWBWC	UBWC, CTUIR, ODFW, USFWS, BOR, USACE,	1-5 years	1-5	No progress	Watershed councils and irrigation districts have	Retain.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
	(i.eg. re-establish or create artificial floodplains). Establish connectivity and diversion infrastructure to be utilized during high water events to divert high water to these areas.		special districts, landowners				worked to remove two dams -Brownell Dam and Dillon Dam- on the Umatilla River.	
Short-Term FL #3	Develop and maintain the database of all landowners within the FEMA Special Flood Hazard Areas in the County. Use database to distribute outreach and emergency notices related to flooding.	Umatilla County Planning	County, FEMA, OEM, Cities	On-going	2-4	Database generated by Planning. Outreach on-going from Planning and from UCEM.	There is an inventory of properties in the floodplain. They have not done a mailer to each property. They do outreach about floods and flood insurance. They use AlertSense and have the capability to access iPaws and WEA through it. These capability's combined give either subscription based notifications and/or for targeting as well as County wide. They have cross	Retain and modify. Having a collaboration using the skills and tools of both the Planning and Emergency Management Departments provides excellent information and tools to people in unincorporated areas and incorporated cities.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
							county capacity within AlertSense with Morrow County (discussing possible future cross co with Grant and Union) so they can activate one another's systems if necessary.	
Long-Term FL #1	Identify and map canyons and draws, roads susceptible to high-water and flash flood event but not located on FEMA FIRM maps.	Umatilla County Planning	UCEM, GIS, FEMA, DSL, USACE, CTUIR, OEM, response agencies, NOAA	5 years	1-4	No progress	Tom and Bob have noted several areas prone to floods that are not identified on flood maps.	Retain and modify. Planning, Emergency Management, and Public Works need to collaborate on this one.
Long-Term FL #2	Obtain funding to upgrade existing levees and berms to USACE standards in order to ensure continuing flood protection, including Umatilla River Levee through Pendleton and Walla Walla River Levee through Milton-Freewater.	City of Pendleton, City of Milton-Freewater	FEMA, OEM, USACE, DSL, CTUIR, ODFW, special districts, Umatilla County	1-2 years	1-4	Funding was obtained, levee work begun.	No work occurred in Umatilla County. Milton-Freewater recertified their levee.	Retain and modify.
Long-Term FL #3	Identify public and private bridges susceptible to collecting flash flood	Umatilla County Public Works	ODOT, USACE, CTUIR, FEMA, DSL,	5 years	1, 3,4, 6	No progress	Tom and Bob state that Public Works	Retain and modify.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
	debris. Prioritize bridge improvements and/ or replacement. Each jurisdiction would do this for the bridges in within their jurisdiction.		UCEM, County Planning				could probably provide this list for Umatilla County. It may be harder to identify private bridges than public ones.	
Severe Summer Storms (SS)								
Short-Term SSS #1	Complete necessary tasks to obtain a NOAA NWS Storm Ready rating. Note: This is the same mitigation action as Short-Term MH #3. Combine them.	UCEM	NOAA/NWS, Dispatch	1-2 years	1, 3, 4, 6	No progress	Umatilla County is a Storm Ready Community. This must be renewed every 3 years; due for renewal in 2021.	Retain and modify. Cities and Tribes can be Storm Ready Rating Communities. Revise language to include them.
Long-Term SSS #1	Identify opportunities to advance NOAA/NWS warning coverage via wireless and non-wireless infrastructure.	UCEM	NOAA/NWS, OEM, OSP, ODOT, CTUIR, landowners	5 years	1, 3, 4, 6	No progress	Umatilla County has AlertSense. Messages can be sent to people throughout the County, in cities and unincorporated areas.	Retain.
Long-Term SSS #2	Implement a NOAA Weather Radio (previously Tone Alert Radio) program to provide radios to all schools,	UCEM	NOAA/NWS, OEM, FEMA, OSP, CTUIR, special districts	5 years	1, 3, 4, 6	No progress	Umatilla County still uses the radios but they do not have the	Retain.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
	communication stations and other interested private and public entities to increase advanced warning capabilities of NOAA/ NWS and UCEM.						distribution program any more. The AlertSense and WEA systems provide communication via text and computer.	
Severe Winter Storms (SWS)								
Short-Term SWS #1	Complete necessary tasks to obtain a NOAA/ NWS Storm Ready rating.	UCEM	NOAA/ NWS, Dispatch	1-2 years	1, 3, 4, 6	No progress	This is a repeat of Short Term SSS#1 above.	Combine with SSS.
Long-Term SWS #1	Identify opportunities to advance NOAA/ NWS warning coverage via wireless and non-wireless infrastructure.	UCEM	NOAA/NWS, OEM, OSP, ODTO, CTUIR, landowners	5 years	1, 3, 4, 6	Some progress by NOAA/NWS	This is a repeat of SSS Long-Term #1 above.	Combine with SSS.
Long-Term SWS #2	Implement a NOAA Weather Radio (previously Tone Alert Radio) program to provide radios to all schools, communication stations and other interested private and public entities to increase advanced warning capabilities of NOAA/ NWS and UCEM.	UCEM	NOAA/NWS, OEM, FEMA	5 years	1, 3, 4, 6	No progress	This is a repeat of SSS Long-Term #2 above.	Combine with SSS.
Long-Term SWS #3	Determine snow removal capabilities of Umatilla County. Provide funding for snow removal	UCEM	Cities, response agencies, special districts,	5 years	1, 3, 4, 6	No progress	Umatilla County has sufficient equipment and	Retain and modify.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
	equipment in areas with minimal or no snow removal capabilities.						<p>personnel to open roads (1700 miles worth, and those are prioritized related to school and work routes) within two days of a winter storm. There is an agreement with ODOT to provide assistance as available.</p> <p>Cities that have sufficient equipment: Pilot Rock, Athena, Hermiston, Umatilla, Weston, Milton-Freewater. Pendleton has little capacity and Echo has none.</p>	
Earthquake (EQ)								
Short-Term EQ #1	Complete county-wide assessment of structures vulnerable to earthquake damage. Obtain funding	UCEM	OEM, FEMA, Cities, special districts	On-going	1, 3, 4, 6	Assessment complete. No retrofitting has occurred.	Umatilla County has not done an inventory, nor	Retain and modify. Change to be Long-Term.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
	to retrofit high priority structures.						have the cities. The priority and capacity to do this is limited, but the group supports it.	
Long-Term EQ #1	Support continuing work to identify all fault patterns in Umatilla County.	UCEM	DOGAMI, USGS, OWRD, CTUIR, County Planning	On-going	1, 3, 4, 6	No progress.	Bob says 4-5 years ago the USGS looked at fault lines in NE Umatilla County. Funding was an issue and doing fieldwork in a pandemic. Work will re-commence.	Retain.
Volcano (VO)								
Short-Term VO #1	Create volcano response protocols for protection from seismic activity and debris damage.	UCEM	FEMA, OEM, NOAA/NWS, ODOT, OSP, CTUIR, Cities, response agencies, special districts	1 year On-going	1, 3, 4, 6	No progress	No progress has been made since the 2014 Umatilla County NHMP.	Retain and modify.
Landslide/ Debris Flow (LD)								
Short-Term #1 LD	Update Goal 7 of the Umatilla County Comprehensive Plan and develop GIS maps designating landslide prone areas or areas	Umatilla County Planning	DOGAMI, UCEM, landowners	1 year	1, 3-6	No progress	Umatilla County has a steep slope overlay and maps. He will check the date of adoption.	Retain and modify.

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
	where the Steep Slope Overlay Zone applies.						Hermiston has steep slope maps. No other cities identified steep slope areas.	
Long-Term #1 LD	Identify and implement mitigation measures where important infrastructure for evacuation, emergency vehicle access, commodity transport, information dissemination and utilities may be prone to damage from site specific landslides.	UCEM	DOGAMI, Public Works, Cities, ODOT, CTUIR, ODF, USFS, special districts, utilities	3-10 years	1, 3-6	No progress	No progress.	Retain and modify.
Drought (DR)								
Short-Term DR #1	Implement 2050 Water Management Plan for Umatilla Basin.	Umatilla County Planning	Task Force, USWS, BOR, USACE, CTUIR, FEMA, NOAA, DSL, OWRD, ODA, OECDD, ODFW, UBWC, landowners, special districts	On-going	1-5	Water Management Plan has been adopted	Work is on-going. Some work has been completed while some has yet to be done.	Retain.
Long-Term DR #1	Utilize Columbia River water for replacement of certificated groundwater irrigation rights.	Umatilla Basin Water Commission	BOR, CTUIR, State of Oregon, OWRD, landowners, special districts	10-20 years	1, 3-5	A pilot project has developed.	Work is on-going. Bob says Umatilla County is facilitating this dialogue. List them as	Retain and modify. Changed coordinating organization to

Mitigation Action	Description	Coordinating Organization	Partner Organizations	Timeline	NHMP Goals	Status as of 2013 noted in 2014 NHMP	Current Status in 2021 NHMP	Retain/ Modify/ Delete
							Coordinating Organization.	Umatilla County.
Long-Term DR #2	Obtain funds to develop groundwater plans, ensure water supply sustainability, and implement recharge projects.	Umatilla Basin Water Commission	CTUIR, USGS, OWRD, landowners, special districts	5-10 years	1-5	State funds have been secured.	Work is on-going. List another organization as the Coordinating Organization?	Retain and modify. Changed coordinating organization to Umatilla County.
Long-Term DR #3	Complete settlement of CTUIR water claims and maximize benefit of Phase III infrastructure.	Umatilla Basin Water Commission	CTUIR, BIA, BOR, landowners, special districts	5-15 years	1-5	Federal negotiations have begun.	Most of the negotiations have been done. Once they are ready, they have to get it approved through Congress.	Delete. Do not include this mitigation action in the 2021 Umatilla County NHMP.

Source: Tricia Sears, DLCD, and Umatilla County Steering Committee, 2020-2021