

Section 4: Mitigation Strategy

Section 4 outlines Deschutes County's strategy to reduce or avoid long-term vulnerabilities to the identified hazards. This section presents a mission and specific goals and actions to address the mitigation strategy requirements contained in 44 CFR §201.6(c). The NHMP Steering Committee reviewed and updated the mission, goals, and action items documented in this plan. Additional planning process documentation is in Appendix B.

Mitigation Plan Mission

The Plan mission states the purpose and defines the primary functions of Deschutes County's NHMP. It is intended to be adaptable to any future updates made to the Plan and need not change unless the community's environment or priorities shift.

The mission of the Deschutes County NHMP is:

To promote sound public policy and action designed to protect people, critical facilities, infrastructure, property, and the environment from natural hazards.

This can be achieved by increasing public awareness, documenting the resources for risk reduction and loss-prevention, and identifying activities to guide the County towards building a safer, more disaster resistant community.

The 2026 NHMP Steering Committee reviewed the 2021 Plan mission statement and agreed it accurately describes the overall purpose and intent of this Plan. The Steering Committee recognizes that Central Oregon receives many visitors as a tourism destination. The mission captures all people located in, visiting, or planning to visit Deschutes County. The Steering Committee believes the concise nature of the mission statement allows for a comprehensive approach to mitigation planning.

Mitigation Plan Goals

Mitigation plan goals are specific statements of direction to reduce impacts from natural hazards to the County. The goals listed serve as checkpoints for community members and public and private partners to begin implementing mitigation action items. These statements of direction form a bridge between the broad mission statement and particular action items.

The 2026 Deschutes County NHMP Steering Committee reviewed the 2021 Plan goals in comparison to the 2025 State Natural Hazard Mitigation Plan goals and determined they would modify their goals to align with the latest State NHMP goals included here.

All the Plan goals are important and listed below in order of priority. Establishing community priorities within action items neither negates nor eliminates any goals, but it

establishes which action items to implement first should funding become available. Below is the list of the Plan mitigation goals.

Table 4-1 2026 Deschutes County Natural Hazard Mitigation Plan Goals

Goal 1	Protect life and reduce injuries resulting from natural hazards.
Goal 2	Minimize property damage from natural hazards.
Goal 3	Minimize damage to, and increase resiliency of, critical or essential infrastructure and services from natural hazards.
Goal 4	Enhance the ability of Deschutes County's economy to rebound quickly from the effects of natural hazard events.
Goal 5	Minimize development project impacts to the environment and utilize natural solutions where feasible to protect people and property from natural hazards.
Goal 6	Enhance the County's capability to implement a comprehensive County-wide natural hazards mitigation strategy.
Goal 7	Increase the whole community's ability to prepare for, mitigate against, and recover from natural disasters by supporting vulnerable populations and fostering community preparedness through resource direction, financial incentives, education, and regulation.
Goal 8	Use the most informative, reliable natural hazards mapping and other information available to aid in eliminating development within mapped hazardous areas where the risks to people and property cannot be practicably mitigated.
Goal 9	Minimize damage to historic and cultural resources from natural hazards.
Goal 10	Enhance communication, collaboration, and coordination among agencies at all levels of government, sovereign nations, and the private sector to mitigate natural hazards particularly for the most vulnerable community members.
Goal 11	Develop, integrate, and align natural hazards mitigation and climate adaptation efforts based on the evolving understanding of the interrelationships between climate change and climate-related natural hazard events.
Goal 12	Reduce repetitive and severe repetitive flood losses as defined by the National Flood Insurance Program (NFIP).
Goal 13	Develop and strengthen relationships among governments, community-based organizations, businesses, and others to ensure that people, especially those most vulnerable, can access goods and services during and after natural hazard events.

Mitigation Capabilities Assessment

This section documents the existing authorities, policies, programs, and resources of Deschutes County and evaluates their ability to expand and improve these capabilities in support of the mitigation strategy, as required by 44 CFR §201.6(c)(3). Capabilities include planning and regulatory tools (e.g., comprehensive plans, land use ordinances, building codes), administrative and technical resources, financial mechanisms, and education/outreach programs. Each jurisdiction's participation in the National Flood Insurance Program (NFIP) and enforcement of floodplain regulations is also noted. Tables summarize current capabilities, the ability to expand/improve, and gaps or limitations. Narrative statements provide context and identify opportunities for integration into other planning mechanisms (e.g., budgets, ordinances, comprehensive plans, and capital improvement programs). Gaps and limitations identified here are addressed through mitigation actions in Section 4, ensuring a clear link between capability assessments and the overall mitigation strategy.

Table 4-2 Deschutes County Capability Assessment

Capability Area	Current Capability	Ability to Expand/Improve	Gaps/Limitations
Planning & Regulatory	Comprehensive Plan implements Goal 7; NFIP ordinance; state building codes enforced.	Can update comp plan/zoning with new hazard data; pursue CRS.	Limited staff time and funding for major updates.
Programs & Plans	NHMP addendum; EOP; CWPP coordination.	Integrate NHMP actions into CIP and permitting workflows.	Integration occurs opportunistically.
Administrative	EM program; planning/public works support; floodplain admin designated.	Expand grant writing/project management capacity.	No dedicated mitigation or grant management FTE.
Technical	GIS access to FIRMS/DOGAMI; Risk MAP coordination.	Training on hazard data and BCA.	Limited modeling expertise.
Financial	Eligible for HMGP, FMA, state wildfire grants.	Seek match partnerships; leverage PA-406 post-disaster.	Match/funding continuity and lack of grant administration staff time is a barrier.

Education & Outreach	Event-based campaigns; social media alerts.	Formalize annual outreach calendar.	No standing mitigation education program.
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NFIP Compliance: Participates in NFIP; enforces floodplain regulations; uses current FIRMs; coordinates with OEM/DLCD for updates.

Deschutes County maintains baseline planning, regulatory, and operational capabilities that support mitigation. Actions in Section 4 seek to expand and improve capabilities. The County will also seek opportunities to integrate hazard mitigation goals into other planning mechanisms (budgets, ordinances, operational procedures, capital improvement plans, comprehensive plans, water/wastewater/transportation plans).

The capability assessment provides the foundation for prioritizing mitigation actions and identifying opportunities for integration across planning mechanisms. This section ensures that mitigation strategies are realistic and targeted to address gaps such as limited staffing, funding constraints, and technical capacity. During plan maintenance, jurisdictions will review capability changes, update gaps, and adjust mitigation actions accordingly to strengthen resilience and align with evolving state and federal requirements.

Existing Mitigation Activities

Existing mitigation activities include current mitigation programs and activities that are implemented by the County to reduce the community's overall risk to natural hazards. Documenting these efforts can assist the jurisdiction to better understand risk and can assist in documenting successes. For a comprehensive list of existing mitigation activities for each specific hazard, reference Table 4-4 Deschutes County Action Items below and Appendix A Action Item Forms.

Government Structure

Beyond Emergency Management, most departments within the County and city governance structures have some degree of responsibility in building overall community resilience. Each plays a role in ensuring that jurisdiction functions and normal operations resume after an incident, and the needs of the population are met. For further explanation regarding how these departments influence hazard resilience, reference Section 2: A Tour of Deschutes County.

Existing Plans and Policies

Communities in Oregon are required to have existing plans and policies that guide and influence land use, land development, and population growth. Linking existing plans and policies to the NHMP helps identify what resources already exist that can be used to implement the action items identified in the Plan. Plans and policies already in existence

have support from local residents, businesses, and policy makers.¹ A list documenting plans and policies already in place in the County and participating cities can be found in Section 2: A Tour of Deschutes County and within the city addenda.

Community Organizations and Programs

In planning for natural hazard mitigation, it is important to know what social systems already exist within the community because of their existing connections to the public. The County and cities can use existing social systems as resources for implementing such communication-related activities because these service providers already work directly with the public on important issues, one of which could be natural hazard preparedness and mitigation. Section 2: A Tour of Deschutes County provides a comprehensive list of community organizations and programs and offers a more thorough explanation of how existing community organizations and programs can be utilized for hazard mitigation.

Mitigation Plan Action Items

Action items identified through the planning process are a critical component of the mitigation plan. Action items are detailed recommendations for activities that local departments, citizens, and others could engage in to reduce risk. They address both multi-hazard (MH) and hazard-specific issues. Action items can be developed through many sources such as local reports and plans, community stakeholder engagement processes, surveys, and committee work sessions.

Development of action items was a multi-step, iterative process that involved brainstorming, discussion, review, and revisions and relies heavily on the work of past Steering Committees. New action items were developed by Steering Committee members and approved by the full group throughout the update process.

Action Item Worksheets

Each action item has a corresponding action item worksheet describing the activity, identifying the rationale for the project, identifying potential ideas for implementation, and assigning coordinating and partner organizations. The action item worksheets can assist the community in pre-packaging potential projects for grant funding. The worksheet components are described below. These action item worksheets are in Appendix A, Action Items Forms.

Proposed Action Title

Each action item includes a brief description of the proposed action.

¹ Raymond J. Burby, "Cooperating with Nature: Confronting Natural Hazards with Land-Use Planning for Sustainable Communities," (1998).

Alignment with Plan Goals

The Plan goals addressed by each action item are identified as a means for monitoring and evaluating how well the mitigation plan is achieving its goals, following implementation.

Affected Jurisdiction/s

Many of the action items within this Plan apply to all the participating cities and the County; however, some action items are more geographically specific. The list of affected jurisdictions is provided on the right side of the matrix. Each city identified as an “affected jurisdiction” will contribute to accomplishing the specified action at a local level. The action item form in Appendix A provides more detailed information.

Alignment with Existing Plans/Policies

Identify any existing community plans and policies where the action item can be incorporated. Incorporating the mitigation action into existing plans and policies, such as comprehensive plans, will increase the likelihood that it will be implemented.

The Deschutes County NHMP includes a range of action items that, when implemented, will reduce loss from hazard events in the County. Within the Plan, FEMA requires the identification of existing programs that might be used to implement these action items. Deschutes County and the participating cities currently address statewide planning goals and legislative requirements through their comprehensive land use plans, capital improvements plans, mandated standards, and building codes. To the extent possible, the jurisdictions will work to incorporate the recommended mitigation action items into existing programs and procedures. For example, Deschutes County adopted state home hardening rules into its building code on January 28, 2026 while the City of Sisters adopted these standards in 2025.

Many of the recommendations contained in the Deschutes County NHMP are consistent with the goals and objectives of the County’s and cities’ existing plans and policies and where possible, the recommendations and actions contained in the NHMP will be implemented through these existing plans and policies. Plans and policies already in existence have support from community members, businesses, and policy makers. Many land-use, comprehensive, and strategic plans get updated regularly, and can adapt easily to changing conditions and needs.²

Rationale or Key Issues

Action items should be fact-based and tied directly to issues or needs identified throughout the planning process. Action items can be developed at any time during the planning process and can come from many sources, including participants in the planning process, noted deficiencies in local capability, or issues identified through the risk assessment. The

² Ibid.

rationale for proposed action items is based on the information documented in Section 3: Natural Hazard Identification and Risk Assessment.

Ideas for Implementation

The ideas for implementation offer a transition from theory to practice and serve as a starting point for this Plan. This component of the action item is dynamic, since some ideas may prove to not be feasible, and new ideas may be added during the plan maintenance process. Ideas for implementation include such things as collaboration with relevant organizations, grant programs, tax incentives, human resources, education and outreach, research, and physical manipulation of buildings and infrastructure.

Coordinating (Lead) Organization

The coordinating organization is the public agency with the regulatory responsibility to address natural hazards, or that is willing and able to organize resources, find appropriate funding, or oversee activity implementation, monitoring, and evaluation.

Internal and External Partners

The internal and external partner organizations listed in the Action Item Worksheets are potential partners recommended by the project Steering Committee but not necessarily contacted during the development of the Plan. The coordinating organization should contact the identified partner organizations to see if they are capable of, and interested in, participation. This initial contact is also to gain a commitment of time and/or resources toward completion of action items.

Internal partner organizations are departments within the County or other participating jurisdictions that may be able to assist in the implementation of action items by providing relevant resources to the coordinating organization.

External partner organizations can assist the coordinating organization in implementing the action items and may include local, regional, state, or federal agencies, as well as local and regional public and private sector organizations.

Potential Funding Sources

Where possible, identify potential funding sources for the action item. Example funding sources can include: the federal Pre-Disaster Mitigation and Flood Mitigation Assistance Programs; state funding sources such as the Oregon Seismic Rehabilitation Grant Program; or local funding sources such as capital improvement or general funds. An action item may also have multiple funding sources.

Estimated Cost

A rough estimate of the cost for implementing each action item is included. Costs are shown in general categories showing low, medium, or high cost. The estimated cost for each category is outlined below:

Low – Less than \$50,000

Medium - \$50,000 - \$100,000

High – More than \$100,000

Timeline

Action items include both short and long-term activities. Each action item includes an estimate of the timeline for implementation. **Short-term action items (ST)** are activities that may be implemented with existing resources and authorities in one to two years. **Medium-term action items (MT)** may require some resource development and coordination and may take 2-5 years. **Long-term action items (LT)** may require new or additional resources and/or authorities and may take one to five years, or more, to implement. **Ongoing action items** signify that work has begun and will either exist over an indefinite timeline, or an extended timeline.

Status

As action items are implemented or new ones are created during the Plan maintenance process, it is important to indicate the status of the action item – whether it is new, ongoing, deferred, or complete. Documenting the status of the action will make reviewing and updating the mitigation Plan easier during the Plan’s five-year update and can be used as a benchmark for progress. **Deferred** action items have yet to see any significant work begin on the particular action.

Priority

The Steering Committee evaluated action items using a set of established prioritization criteria, including cost-effectiveness, operational benefits, alignment with community input, feasibility within the next five years, consistency with the Hazard Vulnerability Analysis and Plan mitigation goals, and support for Community Lifelines. Actions identified as priorities were determined by the Steering Committee to provide the greatest overall benefit to the community while supporting implementation of the Plan’s mitigation strategy. See Table 4-3, Prioritization Matrix, for prioritization scoring and identification.

Mitigation Strategy

A mitigation strategy provided the County’s blueprint for reducing potential losses of identified risks. Within Section 3: Natural Hazard Identification and Risk Assessment is the Deschutes County Hazard Analysis Matrix. This analysis provides more information on the risk and vulnerabilities of natural hazards in Deschutes County.

Mitigation Strategy

The Mitigation Strategy for the 2026 NHMP is to support the Plan Mission by promoting the Plan Goals through implementation of Action Items that were prioritized by the Steering Committee as short-term or long-term tasks. The County will consider the cost/benefit of implementing Mitigation Action Items identified within this Plan and will consider the approaches for cost/benefit analysis described in Appendix F of this Plan.

Analysis

This section identifies and analyzes a comprehensive range of specific mitigation actions and projects recommended to reduce the effects of each natural hazard type.

Prioritization

The Steering Committee reviewed and approved the following prioritization criteria:

- Cost Benefit Ratio > 1.0
- Improves Operational Effectiveness
- Consistent with Community Survey Results
- Timeliness/Ability to Accomplish Within the Next 5 Years
- Consistent with the Hazards Vulnerability Analysis and the Mitigation Goals
- Supports One or More Lifelines.

Each action item was scored using these criteria to arrive at a prioritized list of actions. Establishing community priorities within action items neither negates nor eliminates any actions, but it establishes which action items to consider implementing first, should funding become available. The action items are shown in priority order below.

Table 4-3 Deschutes County NHMP Action Item Prioritization Matrix

Criteria	Priority	Cost Benefit Ratio > 1.0	Improve Operational Effectiveness	Consistent with Community Survey Results	Timeliness / Ability to Accomplish within 5 Years	Consistent with HVA & Mitigation Goals	Supports 1 or More Lifelines	Total
Scoring (X) Action (Y)	High, Medium, Low	Yes = 1 No = 0	Most = 5 Least = 0	Most = 5 Least = 0	Yes = 1 No = 0	Most = 5 Least = 0	Yes = 1 No = 0	Out of 18
WF #1 Pub. Info. Fuels	High	1	5	5	1	5	1	18
WF #2 Upgrade Codes	High	1	5	5	1	5	1	18
WF #3 Fuels Reduction	High	1	5	5	1	5	1	18
WF #4 Infra. Resilience	High	1	4	5	1	5	1	17
MH #9 CORE3	High	1	5	5	0	4	1	16
MH #10 Season Coord.	High	1	4	4	1	4	1	15
WTS #1 Mit. Outreach	High	1	4	5	1	3	1	15
EQ #2 Retrofit	Medium	1	4	4	0	4	1	14
MH #8 Comms. Infra.	Medium	1	4	4	1	3	1	14
EH #1 Provide AC	Medium	1	4	4	1	4	0	14
WF #5 Evac. Access	Medium	1	4	4	0	3	1	13
MH #4 Grid	Medium	1	4	4	1	1	1	12
FL #3	Medium	1	3	3	1	4	0	12

NFIP								
FL #8 Floodplain Restor.	Medium	1	3	4	0	3	1	12
MH #11 Risk Access	Medium	1	3	4	1	2	1	12
MH #1 Training	Medium	1	2	4	1	3	0	11
MH #5 COOP	Medium	1	5	4	0	0	1	11
EQ #3 ShakeAlert	Medium	1	3	3	1	2	1	11
DR #1 Water Resilience	Medium	1	3	3	0	3	1	11
MH #7 Windstorm Resist.	Medium	1	1	3	0	3	1	9
FL #4 FIRM	Medium	1	3	3	0	2	0	9
EQ #1 Study	Low	1	2	1	0	4	0	8
MH #3 Probability	Low	1	2	1	1	3	0	8
LS #1 Access Vulner.	Low	1	1	1	1	4	0	8
FL #5 Mit. Measures	Low	1	2	2	0	2	0	7
FL #7 Whychus Creek	Low	1	1	1	0	2	1	6
VC #1 Study	Low	1	1	2	0	2	0	6
MH #2 Coordination	Low	1	2	1	1	1	0	6
MH #6 Code, Trees	Low	1	2	2	0	0	0	5

DR = Drought EQ = Earthquake EXH = Extreme Heat FL = Flood	HHPD = High Hazard Potential Dam LS = Landslide MH = Multi-Hazard VC = Volcano	WDS = Windstorm WF = Wildfire WTS = Winter Storm
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Implementation

The Action Items are implemented and administered by Deschutes County and in some circumstances the cities and other partners. Each Action Item listed within the Section includes a “Coordinating Organization.” The Coordinating Organization is tasked with the implementation of the action item.

Compliance with the NFIP

The Deschutes County NHMP is intended to comply with the National Floodplain Insurance Plan (NFIP). Deschutes County and the other jurisdictions included in this plan participate in the NFIP. This Plan includes a Mitigation action item designed to ensure the County maintains compliance with the NFIP through a local compliance review that occurs during each annual review of this NHMP.

Action Item Matrix

The table below documents each action along with the lead organization, partners, timeline, status, and identifies which goals it aligns with.

Priority action items are highlighted in blue. NHMP Steering Committee members reviewed each action item and determined if an item was a priority based on the action’s ability to improve the effectiveness of responding to an emergency, as well as the public input process.

Action items in orange text were removed from the Deschutes County NHMP action item matrix. Steering Committee members reviewed each action and removed items that were not specific enough or were too similar to the NHMP goals. Refer to Appendix A for detailed information about each action item.

Table 4-4 2026 Action Item Matrix

2026 Action Item	Priority	Proposed Action Title	2029 Success Metric	Lead Agency	Partner Organization(s)	Timeline	Status	Jurisdictions				
								County	Bend	La Pine	Redmond	Sisters
Multi-Hazard (MH) #1	Medium	Integrate concepts and initiatives from the Deschutes County NHMP into existing regulatory documents and programs such as comprehensive plans, development codes, and public education initiatives.	At least 3 by 2029 (documented by amendments, adoption of policy language, and annual reporting by partner departments).	Deschutes County Emergency Management	<u>Internal:</u> Community Development, Community Wildfire Protection Supervisor, Road Department, Public Works, Cities <u>External:</u> ODF, American Red Cross, OSU Cascades, OSFM, Central Oregon Fire Prevention Cooperative, OSU-Extension	Ongoing	Ongoing	X	X	X	X	X
MH #2	Low	Establish a formal countywide mitigation coordination framework that defines roles, processes, and tools for mitigation planning and resource allocation.	Annual coordination meetings, a shared tracking system for mitigation projects and funding opportunities, integration of NHMP strategies into at least two updated City or County Comprehensive Plans as outlined in MH #1.	Deschutes County Emergency Management	<u>Internal:</u> Community Development, Community Wildfire Protection Supervisor, Road Department, Public Works <u>External:</u> ODF, American Red Cross, OSU Cascades, USFS, OSFM	Ongoing	Ongoing	X	X	X	X	X
MH #3	Low	Establish an annual partnership with regional scientific institutions to review	Key research findings are updated and incorporated into annual NHMP	Deschutes County Emergency Management	<u>Internal:</u> None <u>External:</u> OSU Cascades, DOGAMI, USGS, ACOE,	Ongoing	Ongoing	X	X	X	X	X

		emerging research on earthquake, volcano, and other hazard risks and share findings with local partners.	meetings and local planning efforts.		FEMA, DLCD, OEM, University of Oregon								
MH #4	Medium	Implementation of priority actions identified in the Energy Resilience Plan by advancing resilience improvements for at least three high-risk grid segments or critical facilities in coordination with utilities and local partners. Align community preparedness messaging.	Documented progress on at least three prioritized resilience projects, with annual updates provided to jurisdictions and integration into emergency operations and preparedness programs.	Deschutes County Emergency Management	<u>Internal:</u> Community Development, Road Department, Public Health <u>External:</u> Utility Companies, U.S. Department of Energy, OEM, COIC, Local Cities, Facility Owners/Managers, CBOs	Long-Term	Ongoing	X	X	X	X	X	
MH #5	Medium	Develop, update, or validate Continuity of Operations Plans (COOPs) for all County departments and coordinate with cities and service districts to ensure each jurisdiction has identified essential functions, alternate facilities, critical staffing, and continuity procedures.	Annual continuity workshops conducted and a spring countywide progress report produced summarizing completed plans, remaining gaps, and next-step actions.	Deschutes County Emergency Management	<u>Internal:</u> Board of County Commissioners, County Department Continuity Planners <u>External:</u> OEM, Cities, Service Districts, and Partner Public Safety Agencies	Long-Term	Ongoing	X	X	X	X	X	

MH #6	Low	Develop and adopt countywide hazard tree management standards, create a prioritized inventory of high-risk areas based on outage history and risk, and coordinate annually with utilities and cities to target maintenance and mitigation efforts.	Countywide hazard tree standards formally adopted, a prioritized inventory completed, and annual reports produced documenting coordination, completed treatments, and updated high-risk zones.	Deschutes County Emergency Management	<u>Internal:</u> Community Wildfire Protection Supervisor, Community Development, Road Department <u>External:</u> Electric Utilities, ODF, City Planning and Public Works Departments, Local Arborists, Regional Wildfire Mitigation Partners	Long-Term	Ongoing	X	X	X	X	X
MH #7	Medium	Identify and map at least three high-risk overhead utility corridors vulnerable to wind, winter storm, or wildfire impacts and work with utilities to evaluate undergrounding or other hardening measures.	Prioritized list of treatments and provide an annual report summarizing progress, completed projects, and updated risk data.	Deschutes County Emergency Management	<u>Internal:</u> Community Development, Road Department <u>External:</u> Electric Utilities, OEM, OSFM, COIC, ODF, Cities, Regional Infrastructure Partners	Long-Term	Ongoing	X	X	X	X	X
MH #8	Medium	Complete a countywide inventory and GIS analysis of critical communications infrastructure, identify at least five high-priority sites for hardening, and develop a phase mitigation plan outlining treatment	Complete inventory and mitigation plan. Provide annual progress updates summarizing completed assessments, improvements, and outstanding needs.	Deschutes County Emergency Management	<u>Internal:</u> Deschutes County 911, Community Wildfire Protection Supervisor/ Project Wildfire, Deschutes County Information Technology/GIS <u>External:</u> ODOT, ODF, USFS, BLM, Private Landowners, Private Infrastructure Owners	Medium-Term	Ongoing	X	X	X	X	X

		options, timelines, and partner responsibilities.											
MH #9	High	Support the development and coordination of the Central Oregon Ready, Responsive, and Resilient (CORE3) multi-agency coordination center.	Facility advances through defined development phases (e.g., governance, funding, design, construction) with documented regional coordination and progress toward operational readiness.	Central Oregon Intergovernmental Council	<u>Internal:</u> DCSO, Board of County Commissioners, Cities, Special Service Districts <u>External:</u> OEM, OSFM, ODF, OSP, DPSST, Governor's Office Regional Solutions, Central Oregon Fire Management Services (COFMS), Crook County, Jefferson County, Central Oregon Fire Chief's Association (COFCA), Central Oregon Law Enforcement Services (COLES)	Long-Term	Ongoing	X	X	X	X	X	
MH #10	High	Establish an annual, pre-season coordination and planning process to proactively prepare for seasonal hazards. Convene local, state, and regional partners to identify priority risk areas, align mitigation strategies, and clarify roles and responsibilities ahead of hazard seasons.	At least one pre-season coordination meeting held annually with multi-agency participation. Completion of at least one tabletop exercise per year involving local jurisdictions. Post-exercise or meeting summaries	Deschutes County Emergency Services	<u>Internal:</u> Emergency Services, Public Health, Community Development, Natural Resources, Facilities <u>External:</u> Fire Districts, Cities, CTWS, COAD	Ongoing	New						

			produced and shared with partners. Increased partner participation year over year.										
MH #12	Medium	Conduct a post-wildfire landslide risk assessment to identify areas of the county at elevated risk for post-fire debris flows, erosion, and landslides, particularly where hazards may impact critical infrastructure, transportation corridors, utilities, or populated areas.	Study/map have been conducted and potential infrastructure at risk has been identified.	Deschutes County Emergency Services	<u>External:</u> DOGAMI	Short-Term	New	X	X	X	X	X	
Drought #1	Medium	Support coordinated basin-wide efforts to improve water conservation, irrigation system resilience, and long-term groundwater sustainability throughout the Deschutes River Basin.	Regional partners have identified and prioritized basin-wide water resilience and conservation projects and have begun pursuing implementation opportunities for priority actions.	Deschutes River Conservancy	<u>Internal:</u> Deschutes County <u>External:</u> Irrigation Districts, Cities, CTWS, DEQ, Dept of Ag, OWRD, ODFW, Watershed Councils, Conservation Groups	Long-Term	New	X	X	X	X	X	
Earthquake (EQ) #1	Low	Initiate and complete a coordinated scoping process for updated earthquake vulnerability studies in	Working group established by 2029, annual progress meetings conducted, and a summary of	Deschutes County Emergency Management	<u>Internal:</u> Community Development	Long-Term	Deferred	X	X	X	X	X	

		Deschutes County, including defined study goals, focus areas, data needs, and partner roles.	findings and recommended mitigation actions published within two years of study initiation.		<u>External:</u> FEMA, DOGAMI, OEM, USGS, OSU Cascades, UO								
EQ #2	High	Complete seismic evaluations for at least three critical or essential facilities using current ASCE 41 guidelines and DOGAMI RVS data and develop retrofit scopes of work for each facility.	At least three evaluations completed, retrofit scopes developed, funding pursued, and progress toward at least one structural or non-structural retrofit documented.	Deschutes County Emergency Management	<u>Internal:</u> Road Department, Community Development, Facilities, Sheriff's Office <u>External:</u> Deschutes County School Districts, OEM, DOGAMI, FEMA, ODE, IFA, SHPO, ODOT, Cities	Long-Term	Ongoing	X	X	X	X	X	
EQ #3	Medium	Develop and implement a coordinated countywide outreach strategy to increase ShakeAlert awareness, including consistent messaging, multi-channel communications, and annual education campaigns.	Outreach delivered through at least four communication channels annually, with progress evaluated each year based on participation levels, message reach, and partner engagement.	Deschutes County Emergency Management	<u>Internal:</u> Deschutes County Health Services, Deschutes County Board of County Commissioners (Communications), Deschutes County 911, Incorporated Cities and Fire Districts <u>External:</u> OEM, DOGAMI, USGS, Regional School Districts, Local Media Partners, Community Orgs that Support Public Preparedness Education	Short-Term	Ongoing	X	X	X	X	X	
Extreme Heat #1	Medium	Expand extreme heat mitigation and preparedness by	Annual outreach conducted and coordination meetings	Deschutes County Emergency	<u>Internal:</u> None	Ongoing	New	X	X	X	X	X	

		conducting outreach campaigns and updating and distributing readiness materials to residents and vulnerable populations.	held, with a published summary documenting participation, identified gaps, and recommended improvements.	Management & Public Health	<u>External:</u> Cities, National Weather Service, Region 7 Healthcare Coalition, American Red Cross, Other Community Organizations Active in Disasters								
Flood (FL) #1		Continue to coordinate mitigation activities with appropriate agencies and home and business owners/groups that include an inventory of actions to or within the floodplain.		Deschutes County Community Development	<u>Internal:</u> Emergency Services, Public Works, Building Division <u>External:</u> Oregon Water Resources, DLCD, USGS, Bureau of Reclamation, DSL, USACE, ODFW, USFS	Ongoing	REMOVED	X	X	X			X
FL #2		Develop and maintain a comprehensive GIS-based inventory of all permitted in-water facilities in Deschutes County and establish a standardized annual review process to keep the inventory current.	GIS inventory completed and updated annually, with an annual report published summarizing inventory changes, evaluated seismic and flood risks, and recommended mitigation actions.	Deschutes County	<u>Internal:</u> Emergency Services <u>External:</u> Oregon Water Resources, USGS, Bureau of Reclamation	Long-Term	REMOVED	X	X				
FL #3	Medium	Maintain compliance with the National Flood Insurance Program (NFIP) by coordinating with DLCD and federal partners, updating regulations and floodplain mapping as	Community remains in good standing in the NFIP, with documented annual coordination with DLCD, timely response to Community Assistance Visit findings, and	Deschutes County Community Development	<u>Internal:</u> None <u>External:</u> DLCD, FEMA, Cities	Ongoing	Ongoing	X	X	X			X

		needed, addressing monitoring findings, and tracking compliance activities.	completed regulatory or mapping updates as required.										
FL #4	Medium	Update the Flood Insurance Rate Maps for Deschutes County and revisit land use codes to determine if floodplain standards are still adequate.	Revised FIRMs adopted and land use code review completed, with any necessary code amendments formally approved.	Deschutes County Community Development	<u>Internal:</u> None <u>External:</u> FEMA, DOGAMI, DLCD	Long-Term	Deferred	X	X	X			X
FL #5	Low	Pursue state and federal funding to implement flood mitigation measures (e.g., elevation, floodproofing, acquisition, or drainage improvements) for eligible properties located within or adjacent to the floodplain.	At least one funding opportunity evaluated, with project implementation initiated if funding is awarded.	Deschutes County Community Development	<u>Internal:</u> None <u>External:</u> FEMA, DOGAMI, DLCD	Long-Term	Ongoing	X	X	X			X
FL #6		Analyze and implement mitigation measures related to ice jamming that occurs during winter storm events.		Deschutes County Emergency Services / Planning	<u>Internal:</u> Public Works, Bend Parks and Recreation District <u>External:</u> Oregon Water Resources, Pacific Power, Landowners, DLCD, DOGAMI	Long-Term	REMOVED	X	X				
FL #7	Low	Complete an updated hazard evaluation of debris flow and flood	Inundation scenarios published, at least three priority	Deschutes County Emergency Management	<u>Internal:</u> Community Development, Sisters	Long-Term	Deferred	X					X

		risks associated with Carver Lake and the Whychus Creek drainage using current USGS research and lidar-based flood/debris-flow modeling.	mitigation/monitoring actions identified, and an annual progress report produced documenting findings, interagency coordination, and next-step recommendations.		Community Development and Public Works <u>External:</u> USGS, USACE, FEMA, DOGAMI, OEM, DLCD, OSU Cascades, BLM, USFS, Property Owners and Land Managers within the Whychus Creek Hazard Area							
FL #8	Medium	Identify floodplain restoration activities within FEMA Special Flood Hazard Areas to reduce downstream flooding impacts, improve watershed function, support aquifer recharge, and strengthen long-term drought resilience.	Partners have identified and prioritized potential floodplain restoration opportunities and began implementation.	Deschutes Land Trust	<u>Internal:</u> Community Development <u>External:</u> DLCD, FEMA, OEM	Long-Term	New					
Landslide (LS) #1	Low	Assess Deschutes County's vulnerability to landslides.	Deschutes County and partner agencies have initiated and made significant progress on landslide vulnerability assessment efforts.	Deschutes County Emergency Services	<u>Internal:</u> None <u>External:</u> DOGAMI	Medium-Term	New					
Volcano (VC) #1	Low	Coordinate annually with state and federal scientific partners to review updated monitoring data and research on volcanic activity in the Central	Partners identified and meeting.	Deschutes County Emergency Management	<u>Internal:</u> Health Department, Community Development, Public Works <u>External:</u> USGS-CVO, DOGAMI, FEMA, OEM,	Long-Term	Deferred	X				

		Cascades and Newberry Volcano areas and incorporate relevant findings into County planning and public preparedness materials.			USGS, OSU Cascades, UO, USFS								
Wildfire (WF) #1	High	Expand public information/education initiatives in support of active hazardous fuels treatment.	Hazardous fuels reduction education or outreach projects, campaigns, workshops, or community engagement efforts have been completed or expanded countywide.	Deschutes County Natural Resources/ Project Wildfire.	<u>Internal:</u> Emergency Services, Community Wildfire Protection Supervisor <u>External:</u> Firewise Communities, USFS, BLM, ODF, DEQ, OSFM, Central Oregon Fire Prevention Cooperative, OSU-Extension	Ongoing	Ongoing	X	X	X	X	X	
WF #2	High	Review and upgrade existing building and land use codes to address landscape, fuel amounts and structure detail that reduces the incidence or spread of wildland fire in urban/rural interface areas.	Wildfire-related building and land use code provisions have been incorporated into development review and permitting processes, with ongoing evaluation and refinement.	Deschutes County Community Development and Community Wildfire Protection Supervisor	<u>Internal:</u> Community Development, Community Wildfire Protection Supervisor, Emergency Management, Project Wildfire <u>External:</u> ODF, OSFM	Ongoing	Ongoing	X	X	X	X	X	
WF #3	High	Continue to prioritize and support fuels reduction projects on private lands utilizing FireFree and other programs; and identify	Priority hazardous fuels reduction projects have been identified and advanced on both	Project Wildfire	<u>Internal:</u> Community Development, Community Wildfire Protection Supervisor, Emergency Management, Project Wildfire	Ongoing	Ongoing	X	X	X	X	X	

		and prioritize fuels reduction projects on public lands in the Wildland Urban Interface (WUI).	private and public lands within the WUI.		<u>External:</u> Firewise Communities, ODF, OSFM								
WF #4	High	Assess critical infrastructure resilience to wildfire.	Priority critical infrastructure systems or facilities have been evaluated for wildfire vulnerability and resilience needs through applicable assessment, planning, or asset management processes.	Deschutes County	<u>Internal:</u> Cities of Sisters, Bend, La Pine <u>External:</u> State OEM, State DLCD	Medium-Term	Ongoing	X	X	X			X
WF #5	Medium	Support efforts to create a southern access point to the Deschutes River Woods Community.	Partners have increased coordination, planning, and development efforts.	Deschutes County	<u>Internal:</u> Community Development, Emergency Management, Road Department, Administration <u>External:</u> ODOT, DRC Community Reps	Long-Term	New	X					
Winter Storm (WTS) #1	High	Expand winter storm mitigation and preparedness by conducting annual outreach campaigns, updating and distributing winter readiness materials to residents and vulnerable populations, and coordinating yearly	Annual outreach conducted and coordination meetings held, with a published summary documenting participation, identified gaps, and recommended improvements.	Deschutes County Emergency Management	<u>Internal:</u> City Public Works and County Road Department, Public Health <u>External:</u> National Weather Service, Utility companies, Region 7 Healthcare Coalition, American Red Cross, other Community Organizations Active in Disasters	Ongoing	Ongoing	X	X	X	X		X

		with utilities and public works to review restoration and sheltering plans.											
WTS #2		Continue public awareness of severe winter storm mitigation activities.		Deschutes County Emergency Management	Internal: City and County Public Works, Public Health External: National Weather Service, Region 7 Healthcare Coalition, American Red Cross	Ongoing	REMOVED	X	X	X	X	X	
WTS #3		Continue to enhance coordination, maintenance, and mitigation activities to reduce risk to public infrastructure from severe winter storms.		Deschutes County Emergency Management	Internal: City and County Public Works, Public Health External: National Weather Service, Utilities, Region 7 Healthcare Coalition, American Red Cross	Ongoing	REMOVED	X	X	X	X	X	