

City of Bend Action Items 2021

2021 Action Item	High Priority	Mitigation Action Title	Lead Agency	Partner Organization(s)	Timeline	Status
Multihazard #1		Identify, improve, and sustain collaborative programs focusing on the real estate and insurance industries, public and private sector organizations, and individuals.	Community Development	<u>Internal:</u> Police Department, Fire Department <u>External:</u> Deschutes County Emergency Services, RFPD #2	Long-Term	Ongoing
MH #2		Develop public and private partnerships to foster natural hazard program coordination and collaboration.	Community Development	<u>Internal:</u> Police Department, Bend Fire Department <u>External:</u> Deschutes County Emergency Services, RFPD #2	Short-Term	Ongoing
MH #3	X	Develop inventories of at-risk buildings and infrastructure, and prioritize mitigation projects based on those providing the most benefit (at the least cost) to the population of the City of Bend.	Community Development	<u>Internal:</u> Public Works, Engineering and Infrastructure, Bend Airport <u>External:</u> Deschutes County Emergency Services; OEM, DOGAMI, FEMA, IFA	Long-Term	Deferred
MH #4	X	Strengthen emergency services by maintaining the City of Bend Emergency Operations Plan, linking emergency services with hazard mitigation programs, and enhancing public education.	Bend Fire	<u>Internal:</u> Police, Fire, Public Works, City Administration <u>External:</u> Deschutes County Emergency Services; Bend Park and Recreation District	Ongoing	Ongoing
MH #5		Use technical knowledge of natural ecosystems and events to link natural resource management and land use organizations to mitigation activities and technical assistance.	Community Development	<u>Internal:</u> - <u>External:</u> Deschutes County Emergency Services, Forester; DOGAMI, WRD, ODF	Long-Term	Deferred
MH #6		Develop benchmarks for a disaster-resistant and resilient community.	Community Development	<u>Internal:</u> Police Department, Fire Department <u>External:</u> Deschutes County Emergency Services, Community Development	Short-Term	Deferred
MH #7		Develop and implement, or enhance, strategies for debris management for natural hazard (winter storm, wind, flood, etc.) events.	Public Works	<u>Internal:</u> Police, Fire, Public Works Departments <u>External:</u> Deschutes County Emergency Services, RFPD #2, Road Department; ODOT	Short-Term	Ongoing
Earthquake #1		Seismically retrofit vulnerable facilities and infrastructure to increase their resiliency to seismic hazards. Consider both structural and non-structural retrofit options.	Public Works/Utilities	<u>Internal:</u> Community Development, Engineering and Infrastructure Planning, Public Works <u>External:</u> Deschutes County Community Development; Bend Metro Park and Recreation District, Bend – LaPine Schools, Deschutes County Library	Long-Term	Ongoing
EQ #2		Improve local capabilities to perform earthquake building safety evaluations and to record and manage building inventory data.	Community Development	<u>Internal:</u> Community Development, Engineering and Infrastructure Planning <u>External:</u> Deschutes County Community Development, Emergency Services	Long-Term	Deferred
Flood #1		Identify critical public infrastructure and facilities located in flood hazard areas and implement mitigation and preparedness measures for those facilities.	Public Works/Utilities	<u>Internal:</u> Public Works, Engineering and Infrastructure Planning <u>External:</u> Deschutes County Community Development, Emergency Services, Road Department; ODOT	Long-Term	Ongoing
FL #2		Identify floodway obstructions and implement mitigation measures to remove obstructions.	Community Development	<u>Internal:</u> Engineering and Infrastructure Planning <u>External:</u> Deschutes County Community Development, Emergency Services, Roads; DSL, ODFW	Long-Term	Deferred

Source: City of Bend NHMP Steering Committee, 2021

City of Bend Action Items (continued)

2021 Action Item	High Priority	Mitigation Action Title	Lead Agency	Partner Organization(s)	Timeline	Status
FL #3		Develop strategies to enhance the use of open space within the floodplain for flood mitigation, fish habitat, and water quality issues.	Community Development	<u>Internal:</u> Engineering and Infrastructure Planning, Community Development <u>External:</u> Deschutes County Community Development; Bend Park and Recreation District; DSL, ODFW, DLCD	Long-Term	Deferred
Volcano #1		Identify critical facilities and industries that may be affected by ash fall and develop and implement ash fall emergency response and mitigation projects.	Community Development	<u>Internal:</u> Engineering and Infrastructure Planning, Utilities, Streets <u>External:</u> Deschutes County Community Development, Emergency Services	Long-Term	Ongoing
VE #2		Collaborate with the USGS's Cascade Volcano Observatory and related agencies to create ash fall warning messages that are more appropriate for Bend.	Community Development / Communications	<u>Internal:</u> Communications, Police, Fire <u>External:</u> Deschutes County Emergency Services, Communications, 911; USGS, OSU-Cascades, OEM	Long-Term	Deferred
Wildfire #1		Inventory alternative firefighting water sources and encourage the development of additional sources.	Bend Fire	<u>Internal:</u> Fire Department, Engineering and Infrastructure Planning <u>External:</u> Deschutes County Forester, Emergency Services, 911; Project Wildfire,	Short-Term	Complete
WF #2	X	Encourage creation and adoption of wildland-urban interface maps to direct development requirements that assist wildfire mitigation.	Bend Fire	<u>Internal:</u> Fire Department, Community Development, Information Technology (GIS) <u>External:</u> Deschutes County Forester, Community Development, Emergency Services, 911; Project Wildfire	Short-Term	Deferred
WF #3		Increase communication, coordination, and collaboration between wildland-urban interface property owners, city and county planners, and fire prevention crews and officials to address inherent risks in wildland-urban interface areas, available prevention/ protection measures, and federal mitigation assistance programs.	Community Development	<u>Internal:</u> Community Development; Fire Department <u>External:</u> Deschutes County Forester, Community Development; RFPD #2, Emergency Services; Project Wildfire	Short-Term	Ongoing
WF #4		Implement fire mitigation activities in a manner consistent with the goals of promoting sustainable ecological management and community stability.	Code Enforcement	<u>Internal:</u> Community Development, Engineering and Infrastructure Planning <u>External:</u> Deschutes County Forester, Community Development; Project Wildfire; DLCD, ODFW; USFS, BLM	Short-Term	Ongoing
WF#5	X	Wildfire mitigation for critical water and sewer infrastructure.	Utilities / Community Development	<u>Internal:</u> Engineering, Bend Fire <u>External:</u> County Planning, Deschutes County Forester, Deschutes County Emergency Services, ODF, USFS, OEM, DLCD	Medium-Term	NEW

Source: City of Bend NHMP Steering Committee, 2021

City of La Pine Action Items 2021

2021 Action Item	High Priority	Mitigation Action Title	Lead Organization	Partner Organization(s)	Timeline	Status
Multi-Hazard #1 (previously Winter Storm #1)		Support local electric cooperative and seek funding to protect highest risk utility lines. Harden key infrastructure.	City Administration, Public Works	Internal: Planning External: Deschutes County, MidState Electric Cooperative	Long-Term	Ongoing
Multi-hazard #2	X	Explore options to create a cluster sewer system for La Pine and the area of the county between La Pine and Sunriver.	City Administration, Public Works	Internal: Planning, Finance, Legal External: DEQ, Deschutes County	Short-Term	Removed
Multi-hazard #3	X	Improve existing sewer effluent leach field to mitigate concerns due to high groundwater.	City Administration, Public Works	Internal: Planning External: DEQ, Deschutes County	Short-Term	Removed
Drought #1	X	Improve water supply and delivery systems to reduce vulnerability by acquiring additional water rights and providing a second water line from the city's reservoir, wells, and pumps. Improvements should be designed to accommodate drought events.	City Administration and Public Works: Contract Legal services	Internal: Planning Department, Finance Department External: OWRD, DEQ, EPA, Deschutes County	Long-Term	Ongoing
Flood #1		Identify drainage areas to provide better stormwater drainage in core area due to rain or snow events.	City Administration, Public Works	Internal: Planning External: DEQ, Deschutes County	Long-Term	Complete
Wildfire #1	X	Support projects to reduce fuel inside and adjacent to city to provide buffer zones around populated areas.	City Administration, Public Works, Fire Department	Internal: Planning External: Deschutes County	Ongoing	Removed
NEW Wildfire #2	X	Support projects to reduce risk of hazardous wildfires inside and adjacent to city in wildland-urban interface areas by: a. Improving forest health & resiliency b. Hardening communities and structures c. Fire prevention d. Suppression support	City Administration, Public Works, Fire Department	Internal: Planning External: Deschutes County, USFS/BLM, City	Ongoing	New

Source: City of La Pine NHMP Steering Committee, 2021

City of Redmond Action Items 2021

2021 Action Item	High Priority	Mitigation Action Title	Lead Organization	Partner Organization(s)	Timeline	Status
Multihazard #1	X	Participate in emergency preparedness and disaster planning with the County, Redmond School District and other organizations to ready the City and Citizens for emergency situations.	Community Development	Internal: Police Department, Public Works, Redmond Airport External: Deschutes County Emergency Services, Redmond F & R	Long-Term	Ongoing
Earthquake #1		Examine the airport facility needs related to emergency preparedness and its regional designation in the Oregon Resiliency Plan and the Cascadia Event.	Redmond Airport	Internal: Community Development, Engineering, Public Works External: Deschutes County Community Development, Emergency Services	Ongoing	Ongoing
Flood #1		Complete a stormwater drainage study and mitigate problem areas.	Public Works	Internal: Community Development External: OWRD	Long-Term	Removed

Source: City of Redmond NHMP Steering Committee, 2021

City of Sisters Action Items 2021

2021 Action Item	High Priority	Mitigation Action Title	Lead Organization	Partner Organization(s)	Timeline	Status
Multi-Hazard #1	X	Identify and remove hazardous trees which pose a potential threat of coming into contact with overhead electric transmission or distribution lines during a high wind event.	Public Works	Internal: - External: Central Electric Cooperative	Ongoing	New
Flood #1		Explore options to replace pressure sewer line at Locust Street Bridge or construct temporary emergency bypass.	Public Works	Internal: - External: USFS, USACE, Silver Jackets, OWRD, ODOT, UDWC, DRC	Long-Term	Complete
FL #2		Increase dimensions of drainage culverts in flood-prone areas.	Public Works	Internal: Community Development External: USACE, Silver Jackets, OWRD, ODOT, DRC, UDWC	Long-Term	Remove
FL #3		Conduct a viability study for an early warning system for Whychus Creek flooding.	Deschutes County Emergency Services	Internal: City of Sisters, Sisters-Camp Sherman Fire External: OWRD, OEM, USFS, USGS	Medium-Term	New
FL #4		Pursue updated information to inform inundation mapping and flood risk along Whychus Creek.	Deschutes County	Internal: Community Development, Public Works, Sisters Community Development and Public Works External: USGS, USACE, FEMA, DOGAMI, OEM, DLCD, OSU-Cascades	Short-Term	New
Wildfire #1	X	Explore adoption of updated defensible space and enhanced building code requirements like R327.4.	City of Sisters	Internal: Sisters-Camp Sherman Fire; Deschutes County; Cities of Bend, La Pine, and Redmond External: USFS, ODF	Short-Term	New
WF #2	X	Increase participation of community members in fire insurance and maintaining defensible space to maintain eligibility.	Deschutes County Emergency Services	Internal: City of Sisters, Sisters-Camp Sherman Fire; Project Wildfire External: USFS, ODF	Short-Term	New
WF #3		Increase water storage to account for increased growth/wildfire	Public Works	Internal: Sisters-Camp Sherman Fire External: USFS	Medium-Term	New

Source: City of Sisters NHMP Steering Committee, 2021