



Washington County Attachment

Table 1 summarizes the stakeholders from Washington County that participated in the planning process to develop the Portland Regional Recovery Framework and can serve as a reference point for local recovery planning.

Table 1: Washington County Stakeholder Participation

First	Last	Organization	Email
Victoria	Adams	Meals on Wheels/Tigard Senior Center	vicki.adams@mowp.org
Jarry	Allen	City of Beaverton	
Catherine	Amerson	City of Hillsboro	catherine.amerson@hillsboro- oregon.gov
Tom	Arnold	Hillsboro Public Works Dept.	Tom.Arnold@hillsboro-oregon.gov
Barbara	Bracken	Tualation Neighborhood Ready/Map Your Neighborhood	dbrack@aol.com
Michelle	Brady	Hillsboro School District	bradym@hsd.k12.or.us
Tammy	Bryan	Hillsboro Fire Departement	tammy.bryan@hillsboro-oregon.gov
Denise	Burton	Virginia Grace Memorial Health Center	dburton@vgmhc.org
Richard	Chase	Tualatin's CERT Program Volunteer	
Annette	Evans	Washington County - Housing and Supportive Services Network	Annette_Evans@co.washington.or.us
Robert	Hale	City of Hillsboro	rob.hale@hillsboro-oregon.gov
Tom	Harryman	Washington County	
Mike	Lueck	Tigard Emergency Management	Mikel@tigard-or.gov
Randy	Mifflin	Washington County Disability Aging and Veteran Services	
Sue	Mohnkern	Washington County - Health and Human Services	Sue_Mohnkern@co.washington.or.us
Rob	Murckinson	City of Tigard	robm@tigard-or.gov
Mike	Mumaw	Beaverton Emergency Management	mmumaw@beavertonoregon.gov
Scott	Porter	Washington County Emergency Management	scott_porter@co.washington.or.us
Clayton	Reynolds	City of Tualatin	creynolds@tualatin.gov
Bob	Rogers	Tigard Police Department	robert.rogers@tigard-or.gov
Ken	Schlegel	Washington County - Land Use and Transportation	Ken_Schlegel@co.washington.or.us
Dick	Schouten	Washington County	
Mjere	Simatel	Washington County - Disability Aging and Veteran Services	mjere simantel@co.washington.or.us
Stan	Sutton	TualatinCERT	
David	Tetrick	City of Beaverton	
John	Wheeler	Washington County Emergency Management	john_wheeler@co.washington.or.us
Robert	Whitham	Tigard Police Department	robert.whitham@tigard-or.gov



Purpose

This county attachment is intended to provide recommendations and additional information for recovery operations in Washington County. Washington County has a significant role in recovery operations and provides essential support and services to cities and unincorporated communities within its jurisdiction recovering from disasters. The Washington County attachment is intended to be used in conjunction with the regional and local guidance provided in this Framework, allowing the Framework to be scaled to the scope and nature of the disaster and unmet needs in the impacted community. Washington County can use this attachment to overview relevant information about the county, identify existing recovery-related capabilities, and define operational considerations.

Community Profile

The community profile provides an overview of Washington County's governance structure, services, demographics, key industries and employers, and other elements to establish a basis of understanding for the community's characteristics as it relates to disaster recovery operations. These characteristics, such as the number of communities and governance structure may impact how Washington County directs its disaster recovery efforts in alignment with community characteristics, needs, and values. The information in this community profile provides an overview of Washington County's key traits to inform recovery planning and recovery operations. The information in this community profile also provides background for the capabilities section of this county attachment, which identifies the capabilities Washington County will use to recover from disaster.

Washington County was established in 1843, and includes the cities of Banks, Beaverton, Cornelius, Durham, Forest Grove, Gaston, Hillsboro, King City, North Plains, Portland, Sherwood Tigard, and Wilsonville. Two cities, Rivergrove and Tualatin, are part of both Washington and Clackamas counties. Washington County has an area of 727 square miles and is governed by a County Commission. The County Commission is made up of five commissioners, including a Chair and a representative from each of the four districts within the county. Other elected officials within the county include a sheriff, district attorney, justice of the peace, auditor, and an assessor/clerk.

Washington County has a population of 597,695 people.⁴ The county offers several county-wide services to its population, including transportation and land use planning through the Department of Land Use and Transportation and housing assistance through the Department of Housing Services.⁵ Washington County is home to major employers, including the Nike headquarters, Intel, and several other technology companies that act as drivers of the county economy.⁶ Major industries in the county



¹ Oregon Secretary of State, 2019. Washington County. Retrieved at: https://sos.oregon.gov/blue-book/Pages/local/counties/washington.aspx

² Washington County, 2019. Board of Commissioners. Retrieved at: https://www.co.washington.or.us/BOC/

³ Washington County, 2019. County Officials. Retrieved at:

https://www.co.washington.or.us/AssessmentTaxation/Elections/ElectedOfficials/county-officials.cfm

⁴ United States Census Bureau, 2018. Washington County Quick Facts. Retrieved at:

https://www.census.gov/quickfacts/washingtoncountyoregon

⁵ Washington County, 2019. Services. Retrieved at: https://www.co.washington.or.us/services.cfm

⁶ Washington County, 2017. Fiscal Year 2017-2018 Adopted Budget Summary. Retrieved at:

https://www.co.washington.or.us/Support Services/Finance/CountyBudget/upload/2017-18 Adopted Budget Summary.pdf

are agriculture, horticulture, forest products, food processing, high tech, sports equipment, and apparel. ⁷ A breakdown of key demographic information for Washington County population ⁸ can be seen in **Table 2** below.

Table 2: Demographic Profile for Washington County

Demographic Indicator	Percentage of Population
Race	
White	80.7%
Asian	10.9%
African American	2.4%
American Indian	1.1%
Native Hawaiian and other Pacific Islander	0.5%
Two or more races	4.3%
Hispanic or Latino ⁹	16.8%
Gender	
Female	50.5%
Male	49.5%
Age	
Under 18	23.3%
Over 65	12.9%
Housing	
Housing Units	229,676
Owner-Occupied Rate	60.8%
Language	
Speaks language other than English at home	24.3%
Education and Health	
High school degree or higher	91.3%
Without health insurance, under the age of 65	7.2%
Income	
Median Household Income	\$74,033
Percent in Poverty	8.0%

⁹ Hispanic and Latino persons may be of any race. This percentage includes individuals that selected any of the above races.



⁷ Oregon Secretary of State, 2019. Washington County. Retrieved at: https://sos.oregon.gov/blue-book/Pages/local/counties/washington.aspx

⁸ United States Census Bureau, 2018. Washington County Quick Facts. Retrieved at: https://www.census.gov/quickfacts/washingtoncountyoregon

Capabilities

Washington County's capabilities related to disaster recovery provide a listing of recovery-related resources within the county and help identify necessary operational considerations for disaster recovery. These capabilities provide the foundation for all recovery activities and define how the county can support localities as well as identify gaps where regional, state, or federal support may be required. Relevant recovery capabilities include existing county-level plans, existing county-level assessments, previously identified recovery priorities, and existing organizations relevant to recovery. Additionally, the information in the community profile provides background for the Washington County capabilities in this county attachment. This section is intended to provide an overview of existing capabilities and capability gaps in Washington County in order to inform recovery planning and operations in the county. The capabilities in this county attachment, along with the other county attachments, can be used to identify existing capabilities within the PMR.

Plans

Planning efforts are one of the essential ways in which jurisdictions can prepare for disaster and the recovery process. In developing plans related to topics such as emergency operations or hazard mitigation, counties can build capabilities to apply to the disaster recovery process. This section will describe all existing plans developed by Washington County that contain information pertinent to emergency or disaster recovery. Recovery plans and frameworks should align with the county's existing plans. Plans relevant to recovery are described below, including their function, key information, and contribution to recovery capabilities is described below.

The Washington County Natural Hazard Mitigation Plan¹⁰ (NHMP) was developed to reduce risk, prevent loss, and protect life, property, and the environment from natural hazard events and applies to Washington County, the City of Tigard, and the City of Hillsboro. This plan contains information, strategies, and processes that can be applied to disaster recovery planning and operations. The risk assessment in the plan provides a basis for identified mitigation strategies and may be used to identify risks and hazards that may require recovery efforts. The mitigation strategies within the plan have been prioritized, indicating potential recovery priorities. Processes and community engagement defined in the hazard mitigation plan used to identify projects to reduce risk from disaster may also be beneficial to the recovery process. In addition, having a hazard mitigation plan in place is required to be eligible for certain federal disaster funding opportunities.

The **Washington County Comprehensive Plan**¹¹ provides policies, implementation strategies, and standards which guide general land use and transportation plans in Washington County. The future projections included in this plan may be useful in addressing long-term recovery actions, and the Regional Urban Growth Boundary policies and strategies may influence post-disaster land use practices. Community engagement strategies and practices defined in this plan may also be beneficial in informing recovery engagement strategies.



¹⁰ Washington County Emergency Management, 2017. Washington County Natural Hazard Mitigation Plan.

¹¹ Washington County, 2017. Washington County Comprehensive Plan. Retrieved at: https://www.co.washington.or.us/LUT/Divisions/LongRangePlanning/Publications/index.cfm

The Washington County Emergency Operations Plan 12 (EOP) is an all-hazards plan that describes how Washington County will organize and respond to emergencies and disasters in the community and includes information relevant to the recovery process. The EOP describes roles and responsibilities of county departments and personnel during incident response and establishes a strategy and operating guidelines to support implementation of the National Incident Management System (NIMS), including adherence to Incident Command System (ICS) principles and concepts. The base plan and support functions provide a framework for coordinated response and recovery activities during large-scale events in the county that may be incorporated in county-level recovery planning, especially given that recovery activities often begin concurrently with the early stages of response. The EOP provides a strategic-level foundation for the transition from response to recovery. Initial recovery activities identified in the EOP include damage assessments, initial efforts to seek FEMA PA and IA grants, debris removal, and infrastructure restoration. The EOP also includes coordination structures related to addressing social, economic, legal, and environmental consequences that may be relevant to long-term recovery.

The **Metro Disaster Debris Management Plan** ¹³ (DDMP) is designed to provide a framework for Metro personnel on how to handle debris following a debris-generating incident; to minimize and eliminate threats to life, public health, and safety; eliminate immediate threats of significant damage to improved public or private property; and support economic recovery of the affected community to the benefit of the community at large. Metro planning includes the counties of Clackamas, Multnomah, and Washington, and incorporated cities within those counties. The DDMP identifies roles and responsibilities for those departments, agencies, and organizations with a role in debris management and identifies information related to short-term recovery efforts. The DDMP includes information on the modification of solid waste systems, debris management sites, and household hazardous waste. The plan also discusses long-term recovery regarding debris recycle, reuse, and disposal; debris transport and final disposition; debris monitoring; and debris management site operations monitoring.

Capability Assessments

Each county in the PMR has a different capability level related to disaster recovery operations and planning, and these capabilities are informed by a variety of measures, including planning efforts, stakeholder and community engagement, existing organizations, and regularly conducted assessments. Evaluating these capabilities at a high level can provide insight into which areas related to recovery have been well developed and should be built upon, as well as insight into gaps and unmet needs. This section provides an overview of some key capabilities and gaps related to recovery planning and operations that have been identified in Washington County. This section is not intended to be a formal capability assessment, or to replace the conduct of other capability assessments, but to highlight notable areas for capability building and advancement.

Washington County has developed several key capabilities applicable to disaster recovery planning and operations. The county has engaged in larger projects and assessments, such as the planning and evaluation processes for the **Washington County NHMP**, **EOP**, **Comprehensive Plan**, and Western



¹² Washington County, 2017. Emergency Operations Plan. Retrieved at: http://www.ocem.org/Plans.cfm

¹³ Metro, 2018. Disaster Debris Management Plan. Retrieved at: https://www.oregonmetro.gov/disaster-debris-management-plan

Washington County Community Food Assessment¹⁴, which require coordination with stakeholders. Stakeholder groups engaged for these efforts may also have roles in recovery. Partnerships with these stakeholders can be leveraged to support recovery planning.

The County also has a Diversity, Equity, and Inclusion (DEI) Think Tank focused on implementing internal equity practices related to human resources and procurement. The existence of this group displays the county's ability to pull together stakeholders within functional areas. ¹⁵ This group may be included in planning processes as a body to support equity and social justice considerations are integrated in recovery plans. However, this group is currently narrow in scope, and has not been engaged for these types of planning efforts.

Washington County has established a number of mutual aid agreements that cover support requests for areas such as land use, building inspection, transportation, and public works. Establishing these mutual aid agreements in the pre-disaster environment facilitates more efficient resource and support requests during recovery. Other agreements, such as the agreement between the County Board of Commissioners and the Fair Board, ¹⁶ may also be considered as avenues for disaster recovery support, although this agreement is not directed toward recovery efforts.

In addition to the capabilities that Washington County has built, the county has capability gaps that may be addressed to advance recovery planning activities. One such gap is that while Washington County is considered a strong economic driver due to the major employers with locations in the county (e.g., Intel and Nike), there is not an economic development oversight organization. Establishing a group to oversee economic development is an asset both pre- and post-disaster, especially given Washington County's primacy as an industrial leader in the region. To address this gap, the county may consider forming such an entity to provide guidance on economic considerations both during the planning process and during recovery operations.

Another existing capability gap is that while there are several existing organizations within the county that could be engaged to support recovery operations, many of these organizations have not traditionally been involved as planning partners. Engaging stakeholders in planning processes fosters ownership and buy-in for planning products, therefore it can be valuable to involve broader stakeholder groups in planning in targeted ways. To address this gap, Washington County may consider engaging a more diverse stakeholder group in its recovery planning process.

Identified Priorities

This section describes any recovery-related priorities that have been identified through planning, assessments, or other methods. Recovery priorities are often the basis of planning efforts, or the result of an assessment, and therefore will reference information from the plans described above; however, priorities communicated outside of plans and assessments may also be incorporated. Identified priorities will help define the values of the county as it relates to disaster recovery to be incorporated in future recovery planning efforts. Washington County may choose to maintain existing priorities, or

¹⁶ Washington County, 2019. Fair Complex Planning. Retrieved at: https://www.co.washington.or.us/Fair/Fairgrounds/index.cfm



¹⁴ Resource Assistance for Rural Environments, 2014. Western Washington County Community Food Assessment. Retrieved at: https://www.oregonfoodbank.org/wp-content/uploads/2016/08/Western-Washington-County-CFA_web.pdf

¹⁵ Washington County, 2019. Diversity, Equity, and Inclusion. Retrieved at: https://www.co.washington.or.us/CAO/diversity-equity-and-inclusion.cfm

identify new priorities based on their recovery vision and understanding of their capabilities. Recovery-related priorities for Washington County have been identified in the **Washington County Multi-Jurisdictional NHMP**, **Washington County EOP**, and **Washington County Comprehensive Plan**, and the **Metro DDMP**. These plans, described above, will impact Washington County's approach to recovery planning and operations.

The **Washington County NHMP** mission is to "reduce risk, prevent loss, and protect life, property, and the environment from natural hazard events." The plan identifies goals and priority mitigation actions that could meet that mission as well as influence recovery priorities for the county. One of these priority mitigation actions is updating risk assessment maps for relevant hazards using Light Detection and Ranging (LIDAR) topographic data. These maps would be useful to inform land use and redevelopment planning and show the county's emphasis on evidence-based land use practices. Another high priority was bridge retrofitting and seismic safety inventories on public buildings; these structural safety efforts would be useful in identifying priority routes during recovery and identifying potential emergency building uses. The NHMP also identifies retrofitting projects for critical and essential facilities as a priority, which would increase security and safety for those working inside allowing them to focus on response and recovery strategies and actions.

The **Metro DDMP's** identified priorities mirror the mission of the Washington County NHMP. DDMP priorities include:

- Protect human life, health, safety, and welfare through removal, staging, processing, and disposal
 of disaster debris:"
- Protect property and the environment in all phases of debris management;
- Ensure debris operations are regionally coordinated, efficient, and effective; and
- Ensure debris operations expedite economic and community recovery efforts.

The recovery goals and activities that emphasize health, safety, property, and the environment should be prioritized for recovery planning (before and after a disaster).

The **Washington County EOP** identifies priority tasks for initial recovery that can be incorporated as priorities in recovery planning. These priority tasks are to carry out damage assessments (including Preliminary Damage Assessments to initiate PA and IA grant processes), coordinate debris removal with public works and contractors, and restore infrastructure, including supporting necessary public-private coordination. The EOP also identifies debris removal priorities:

- Priority 1: Access for emergency vehicles and personnel conducting life safety operations.
- Priority 2: Access for crews repairing and/or installing critical infrastructure.
- Priority 3: Access to facilities where mission-essential services are performed.
- Priority 4: Access to allow resumption of wet household garbage service to mitigate public health hazards.¹⁹



Washington County, 2016. Washington County Natural Hazards Mitigation Plan. Retrieved at: https://www.co.washington.or.us/emergencymanagement/upload/nhmp_draft_volume_i.pdf

¹⁸ Metro, 2018. Disaster Debris Management Plan. Retrieved at: https://www.oregonmetro.gov/disaster-debris-management-plan

¹⁹ Washington County, 2017. Emergency Operations Plan. Retrieved at: http://www.ocem.org/Plans.cfm

The **Washington County Comprehensive Plan** identifies, strengths, issues, and goals within focus areas relevant to both preparedness and recovery. Goals in the Comprehensive Plan may be used to inform the development of recovery priorities, as these priorities should align with the established goals. Most notably, the Comprehensive Plan is divided into elements, with the Comprehensive Framework Plan for the Urban Area and the Rural/Natural Resources Plan established to enforce the Regional Urban Growth Boundary and preserve open space and environmental assets.²⁰ These elements will influence land use decisions and redevelopment priorities in pre- and post-disaster recovery planning.

Identified Organizations

Multiple organizations within Washington County will have a role in recovery planning and operations. These organizations may include county agencies, county commissions, non-governmental organizations, private sector partners, and voluntary organizations relevant to recovery operations. **Table 3** provides an overview of how these existing county entities' capabilities and resources can contribute to recovery operations.

Washington County should review this table and use it to identify the stakeholders to involve in carrying out their recovery milestones and activities, listed in the **Recovery Support Functions**. The capabilities and resources in the table will inform which stakeholders can implement the different recovery activities. It should be noted that this is not an exhaustive list of organizations or capabilities, and additional recovery partners should be identified through engagement processes.

Table 3: Identified Organizations

Capabilities and Resources	Organizations
Facilities, utilities, critical infrastructure, and building restoration and debris management	 Fleet Management Washington County Department of Land Use and Transportation (LUT) TriMet Port of Portland Oregon Department of Transportation (ODOT) Vendors/Contractors Washington County Consolidated Communications Agency (WCCCA) Amateur Radio Emergency Services (ARES) Radio Amateur Civil Emergency Services (RACES) Comcast Metro West Mountain Wave Comcast Tualatin Valley Water District (TVWD) WSCO Petroleum Portland General Electric (PGE) Forest Grove Light and Power West Oregon Electric Cooperative Northwest Natural Gas (NW Natural Gas) Waste Management

Washington County, 2017. Washington County Comprehensive Plan. Retrieved at: https://www.co.washington.or.us/LUT/Divisions/LongRangePlanning/Publications/index.cfm



Regional Recovery Framework

Capabilities and Resources	Organizations
	 Department of Assessment and Taxation Office of County Counsel Regional Hazardous Materials Emergency Response Team (RHMERT) Oregon Department of Environmental Quality (DEQ) Washington County Debris Management Task Force Washington County Department of Health and Human Services Washington County Housing Services Special districts
Resource and basic needs identification, management, and distribution (e.g., food, water, shelter, medical services) for affected populations	 Washington County Emergency Management Washington County Housing Services American Red Cross Salvation Army Faith-based groups Community service groups Animal services Oregon Department of Agriculture USDA Local veterinarians Local pet shelters or rescue groups Wildlife rescue organizations
Public health services	 Washington County Department of Health and Human Services Oregon Health Authority Medical Reserve Corps Hospitals Medical clinics Contract agencies
Financial resources and donations (i.e., cash, goods, services) and financial resources identification and management	 WSCO Petroleum Fleet Public Health Animal Services Washington County Long-term Recovery Committee Oregon Voluntary Organizations Active in Disaster (ORVOAD)
Public engagement, outreach, and relations	 Public and Governmental Affairs Joint Information Systems (JIS) Media Outlets Department of Homeland Security (DHS) FEMA Joint Information Center (JIC) Public Information Officers (PIOs) Department PIOs

Organization of recovery efforts in Washington County will also include the development and staffing of RSFs to support operations related to specific functional areas. Washington County has identified seven RSF Coordinators during the Framework planning process in August 2018, summarized in **Table 4**. The RSF Coordinators are responsible for promoting coordination within the RSF to monitor projects



are identified and implemented in a timely fashion (refer to **Recovery Governance Structure** for more information). The RSF Coordinator is also responsible for coordinating with the DRM to identify priorities, determine funding, and working across RSFs to align priorities and milestones.

Washington County has also identified leadership to support the RSF Coordinators (seven lead agencies, one to two supporting agencies, and external partners for each RSF). The lead governmental and non-governmental agencies and organizations will assist the RSF Coordinator with the facilitation of recovery operations (refer to **Recovery Support Functions**). The county should consider identifying additional lead agencies in the non-governmental sector. The supporting agencies and organizations are subject matter experts in the RSF functional area. **Table 4** below shows the recommended RSF leadership structure for Washington County.



Table 4: Recovery Support Function Coordinators

Recovery Support Function	Coordinator	Lead Government Agency	Supporting Agencies and Organizations
Community Planning and Capacity Building	Emergency Management	Emergency Management	 Centro Cultural RDPO SBA FHWA USDA City emergency managers Non-profits Community Development Community Engagement
Land Use and Redevelopment	Metro	Washington County LUT Planning and Development Services (PDS)	 Metro Prosper Portland Westside Economic Alliance Home builders' associations City planning departments Community Development
Economic Recovery	Westside Economic Alliance	Washington County Community Action Organization (CAO)	 Prosper Portland Banks and credit unions FirstTech, Major industry (e.g., Intel, Nike, Genentech, Columbia Sportswear, Tektronix, Resers) Chambers of commerce SBA Assessment and Taxation Community Development
Health and Social Services	Washington Department of Health and Human Services	Washington County Department of Health and Human Services	 Oregon Association of Hospitals and Health Systems (OAHHS) American Red Cross Salvation Army Long-term care associations Neighborhood associations Non-profits CAO Centers for Medicare and Medicaid Services (CMS)-regulated facilities Juvenile Services Community Corrections
Housing	Washington County	Washington County	 Hillsboro / Beaverton CDBG Housing and Supportive Services Network (HSSN) Non-profits



Recovery Support Function	Coordinator	Lead Government Agency	Supporting Agencies and Organizations
	Housing Services	Housing Services	 CAO 211info Metro American Red Cross Community Development
Infrastructure Systems	Metro and Emergency Management	Washington County LUT Operations and Maintenance (OPS) and Emergency Management	 Clean Water Services City facilities Port of Portland Joint Water Commission TVWD West Slope Water District Raleigh Water District, City Water and Sewer Department PGE NW Natural WCCCA Frontier Comcast AT&T / Verizon / Sprint Fuel Bretthauer Tyree Oil Tarr Oil Oregon Fuels Association NW Propane Association NW Propane Association Quest Communications Forest Grove Light and Power West Oregon Electric Bonneville Power Association (BPA) City Public Works Cooperative Public Agencies of Washington County (CPAWC) ODOT FHWA TriMet Rail Service (Portland Western, Burlington Northern Santa Fe [BNSF], Union Pacific) Regional Water Providers Consortium Oregon Department of Corrections Fire service providers Bureau of Reclamation (Scoggins Dam) Tualatin Valley Irrigation District



Recovery Support Function	Coordinator	Lead Government Agency	Supporting Agencies and Organizations
			Support Services, Facilities and ParksHousing Services / Housing Authority
Natural and Cultural Resources	Metro	Washington County LUT PDS	 City of Hillsboro (Historic Preservation / Sustainability) Metro Tualatin Hills Parks and Recreation Department (THPRD) City parks departments Portland Park Services Bureau Portland Bureau of Planning and Sustainability Agriculture Owners / Operators NRCS, Farm Service Agency Support Services, Facilities and Parks Department of Health and Human Services, Environmental Health

