

Marion County, Oregon

Annex to the Oregon OEM Region 1 Regional Debris Management Plan



O R E G O N

November 2017

Prepared for:

Marion County

Prepared by:

Ecology and Environment, Inc.
333 SW 5th Ave, Suite 600
Portland, OR 97204

THIS PAGE LEFT BLANK INTENTIONALLY

Table of Contents

Table of Contents iii

1 Introduction..... 1-1

1.1 Purpose and Scope 1-1

1.2 Debris Authorities 1-1

1.3 Mutual Aid Agreements..... 1-2

1.4 Relationship to Other County Plans 1-2

2 Situation and Planning Assumptions..... 2-1

2.1 Debris Planning Scenario 2-1

2.2 Debris Forecasting..... 2-1

2.2.1 Hazus Earthquake Data Runs..... 2-2

2.2.2 Estimating a Cascadia Subduction Zone Event 2-2

2.2.3 Hazus Flooding Data Runs 2-3

3 Concept of Operations 3-1

3.1 General 3-1

3.2 Debris Operations in the EOC 3-1

3.3 Organization 3-1

3.3.1 County Debris Manager 3-2

3.3.2 Debris Management Team..... 3-2

3.3.3 Site Monitors 3-2

3.4 Debris Management in Action..... 3-3

3.5 Coordination with the Region..... 3-4

4 Roles and Responsibilities 4-1

4.1 General 4-1

4.2 Debris Manager 4-1

4.3 County Government..... 4-2

4.3.1 All Departments..... 4-2

4.3.2 County Board of Commissioners..... 4-2

4.3.3 Public Works Department 4-2

4.3.4 Information Technology Department..... 4-5

4.3.5 Finance Department..... 4-5

4.3.6 County Counsel..... 4-5

4.3.7 Sheriff’s Office..... 4-6

4.3.8 Health Department..... 4-6

4.4 Regional and Community Partners 4-7

4.4.1 Local Contractors 4-7

4.4.2 Local Utilities 4-7

4.5 City Governments 4-8

4.6 Residents..... 4-9

5 Annex Implementation and Maintenance.....5-1

5.1 General..... 5-1

5.2 Training..... 5-1

5.3 Exercises 5-1

5.4 Review and Update Process..... 5-1

Attachment A: City Debris Management Planning A-1

Attachment B: Request for Qualifications B-1

Debris Management Agencies	
Primary Agency	Public Works Department (includes Emergency Management and Environmental Services)
Supporting Agencies	Finance Department Health Department Information Technology Department Legal Counsel Sheriff's Office
State Primary Agency	Oregon Department of Transportation

1 Introduction

Section 1 establishes the framework within which this annex exists and how it aligns with and supports existing plans within the County. Additionally, this section outlines county debris management authorities.

1.1 Purpose and Scope

This annex to the Oregon Office of Emergency Management (OEM) Region 1 Regional Debris Management Plan (RDMP) describes how Marion County (County) will conduct debris operations across all phases of debris management. It is designed to be consistent with the RDMP and the State of Oregon Debris Management Plan. The objectives of this annex are to:

- Establish a debris planning scenario for the County.
- Describe a concept of operations for County debris management activities.
- Assign roles and responsibilities to County departments and key response partners.
- Identify available sites for debris storage and reduction.
- Identify qualified vendors to augment the County’s ability to conduct debris operations.

This annex supplements the comprehensive RDMP and should not be viewed as a standalone document. It is intended to guide debris operations within the County’s jurisdictional boundaries as well as coordination with the other Counties in Region 1—Benton, Lincoln, Linn, Polk, and Yamhill; and with the State of Oregon (State); and federal and private-sector partners. It is based on the principle that emergency operations should be conducted at the lowest level possible before support is requested.

1.2 Debris Authorities

The following solid waste and emergency management general authorities guide debris operations for the County:

- Marion County Code
 - Chapter 2.35 – Emergency Management
 - Chapter 8.05 – Solid Waste Management

- Chapter 8.10 – Nuisances
- Chapter 17.120 – Specific Conditional Uses
- Ordinance 1173 – Marion County Solid Waste Ordinance

1.3 Mutual Aid Agreements

The County is a signatory on a number of mutual aid agreements (MAAs) that may be utilized to support debris operations. Copies of the County's MAAs can be obtained through the County Emergency Manager.

See Appendix C – Debris Contacts, Contracts, and Agreements of the RDMP for a list of MAAs.

1.4 Relationship to Other County Plans

The RDMP, including this annex, is part of a suite of plans that address various elements of the Region's emergency management program. While the RDMP focuses on debris management across the Region, other plans address the County's approach to short-term recovery, mitigation, continuity, and other aspects of emergency management. These plans, listed below, work in concert with the RDMP and this annex:

- **Emergency Operations Plan (EOP):** The County EOP is an integrated operational plan based in the National Incident Management System that outlines a concept of emergency operations, assigns roles and responsibilities, and prescribes procedures for establishing and managing the Emergency Operations Center (EOC). Marion County EOC is organized using a hybrid of ESF and ICS structure. Marion County and the City of Salem plan to establish a joint debris management unit and prioritize debris management operations using a multi-agency coordination system. In particular, this annex and the RDMP as a whole supports Emergency Support Function (ESF) 3 – Public Works and ESF 10 – Hazardous Materials.
- **[Multi-Jurisdictional Hazard Mitigation Plan \(2016\)](#):** The County Multi-Jurisdictional Hazard Mitigation Plan evaluates the County and its cities' risks from various hazards, assesses local capabilities, and identifies important steps to reduce associated risks. The Hazard Mitigation Plan identifies specific mitigation goals, objectives, and actions that are tailored to specific departments and agencies, as well as specific locations and functions.
- **Solid Waste Management Plan (2009):** The Solid Waste Management Plan provides a complete review of the Marion County solid waste management system. It considers the current infrastructure and determines what improvements and investments are required to continue to provide comprehensive waste reduction, recycling, collection, and disposal services.

2 Situation and Planning Assumptions

Section 2 builds on discussion in Section 1 by profiling the County's debris-generating events, identifies types of debris possibly generated, and provides a snapshot of current debris estimation and forecasting.

2.1 Debris Planning Scenario

Most disasters generate debris. Debris management activities resulting from most disasters will initially be coordinated by the County EOC in accordance with county plans and procedures, including activation of MAAs (see Table 2-1).

Event	Expected Debris	High Impacts Areas
Flood	Construction/demolition debris, municipal solids, and contaminated debris	Areas within low-lying Willamette Valley.
Landslide	Construction/demolition debris, municipal solids, and contaminated debris	Hilly terrain and areas near creeks and rivers.
Wildfire	Construction/demolition debris, contaminated soil and water	State and national park land and private forests within the County.
Severe Storms: Wind and Winter	Vegetation and construction/demolition debris	Above ground power lines and trees throughout the County.
Earthquake	Construction/demolition debris, municipal solids, and contaminated debris	Older structures built before stricter seismic building codes were implemented including homes, schools, churches, etc..

See Chapter 2 of the RDMP or the Marion County Multi-Jurisdictional Hazard Mitigation Plan for more information.

2.2 Debris Forecasting

Debris forecasting is a pre-disaster attempt to understand the types and volumes of debris that could be generated by a disaster.

Determining the planning significance of specific debris-generating events requires a proper understanding of an event's probability of occurring, the event's potential to generate debris, and the likely amount of debris to be generated.

2.2.1 Hazus Earthquake Data Runs

The following debris summary report is based on a 7.2 earthquake on the Mill Creek Fault Zone and includes the following Census Tracts: 41047000200, 41047000300, 41047000400, 41047000501, 41047000502, 41047000600, 41047000701, 41047000900, 41047001000, 41047001100, 41047001200, 41047001300, 41047001401, 41047001402, 41047001501, 41047001502, 41047001503, 41047001601, 41047001602, 41047001603, 41047001604, 41047001701, 41047001702, 41047001703, 41047001801, 41047001802, 41047001803, 41047002000, 41047002101, 41047002102, 41047002201, 41047002202, 41047002301, 41047002303, 41047002304, 41047002400, 41047002501, 41047002502, 41047002600, 41047002700, 41047002800, 41047010100, 41047010201, 41047010202, 41047010303, 41047010304, 41047010305, 41047010306, 41047010307, 41047010400, 41047010501, 41047010502, 41047010503, 41047010600, 41047010701, 41047010702, 41047010801, and 41047010802.

Debris Type	Tonnage	Cubic Yards¹	Acreage^{2, 3}
Brick, Wood, and Others	996,440	3,985,759	410
Concrete and Steel	2,034,332	4,068,663	419
Total	3,030,772	8,054,422	829

Notes:

- Cubic yards (CY) are calculated based on U.S. Army Corps of Engineers (USACE) guidance, which states that for construction and demolition debris 1 ton = 2 CY, and for mixed debris 1 ton = 4 CY.*
- Total acreage of debris is based on USACE guidance, which states that 1 acre of debris 10 feet high converts to 16,133 CY.*
- To provide for roads and buffers, USACE guidance states that acreage must be increased by a factor of 1.66.*

See Federal Emergency Management Agency 329, Debris Estimating Field Guide for additional detail:
http://www.fema.gov/pdf/government/grant/pa/fema_329_debris_estimating.pdf

2.2.2 Estimating a Cascadia Subduction Zone Event

The debris estimate below was generated by the U.S. Army Corps of Engineers (USACE) hurricane debris prediction model (found in Federal Emergency Management Agency [FEMA] 325, Appendix 2 – USACE Hurricane Debris Estimating Model) and represents a Category 3 hurricane. This debris estimate will serve as a proxy for a large-scale event in the County, such as a strong earthquake.

See Appendix E of the RDMP for more information on debris estimation and forecasting.

Based on the USACE equation, it is estimated that the County, with a population of 336,316,¹ would produce 5,911,090 cubic yards or 608 acres of debris.

¹ Based on the 2016 U.S. Census population estimates.

2.2.3 Hazus Flooding Data Runs

The following debris summary report is based on a 100-year flood and includes all Census Blocks within the County.

Debris Type	Tonnage	Cubic Yards¹	Acreage^{2, 3}
Finishes (dry wall, insulation, etc.)	5,391	21,566	2
Structural (wood, brick, etc.)	1,866	7,462	1
Foundations (concrete slab or block, rebar, etc.)	2,264	4,528	0
Total	9,521	29,028	3

Notes:

- Cubic yards (CY) are calculated based on U.S. Army Corps of Engineers (USACE) guidance, which states that for construction and demolition debris 1 ton = 2 CY, and for mixed debris 1 ton = 4 CY.*
- Total acreage of debris is based on USACE guidance, which states that 1 acre of debris 10 feet high converts to 16,133 CY.*
- To provide for roads and buffers, USACE guidance states that acreage must be increased by a factor of 1.66.*

See Federal Emergency Management Agency 329, Debris Estimating Field Guide for additional details:
http://www.fema.gov/pdf/government/grant/pa/fema_329_debris_estimating.pdf

THIS PAGE LEFT BLANK INTENTIONALLY

3 Concept of Operations

Section 3 provides an overview of the phases of debris operations and coordination with the Region.

3.1 General

During any debris-generating event, initial operations will be coordinated through the County EOC. The Operations Section is responsible for coordinating debris management operations with local responders and resources to ensure an effective response.

See the County EOP for procedures for activation and operation of the EOC.

3.2 Debris Operations in the EOC

To support disaster debris operations at the EOC, the EOC Incident Commander and Operations Section Chief will assign a Debris Manager, who will coordinate and establish priorities for local debris removal, storage, and recycling resources from the EOC. Depending on the size of the incident, the Debris Manager will coordinate with the other regional debris managers and contractors to provide management of disposal and recycling sites as well as removal of eligible debris from the public right-of-way. The Debris Manager will coordinate closely with damage assessment teams to conduct debris estimation activities and prioritize removal of debris from transportation routes.

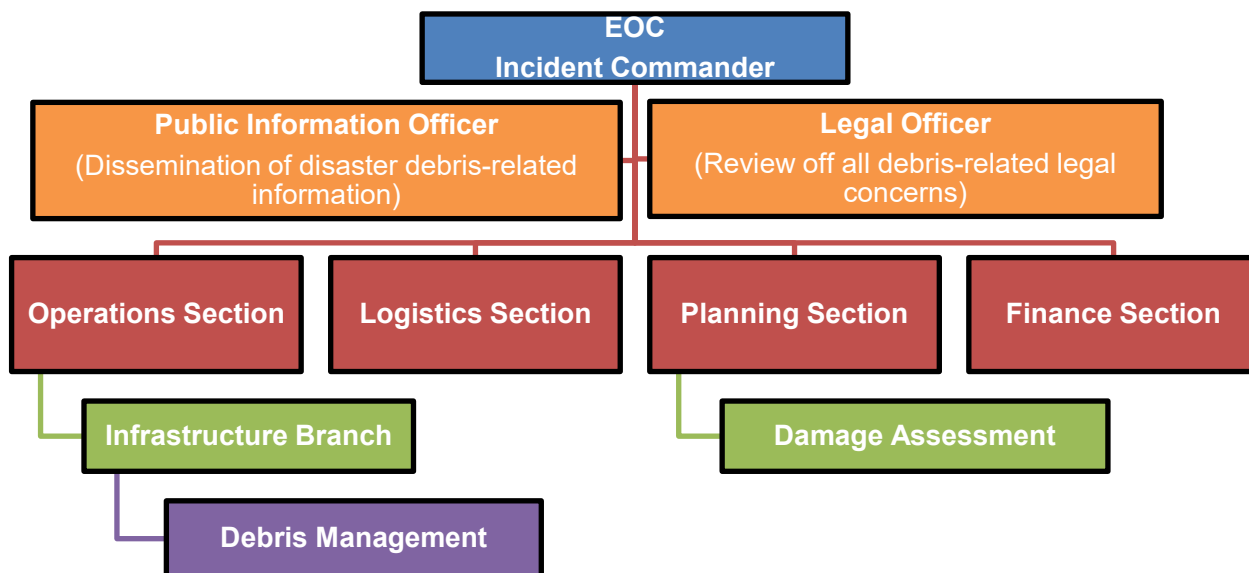
See Appendix C of the RDMP for debris management contacts.

3.3 Organization

Debris management is addressed in ESF 3 – Public Works and Engineering of the County EOP. ESF 3 provides and coordinates infrastructure and engineering services during all phases of emergency management. ESF 3 activities and resources (personnel, equipment, facilities, materials, and supplies) are coordinated through the County EOC. The lead agency for ESF 3 and the Lead Debris Management Department (LDMD) is the Public Works Department. A County Debris Manager will be established from the Public Works Department and will be tasked with coordinating all debris operations within the County and leading the Debris Management Team (DMT). *See Figure 3-1 for information on how debris operations will be organized in the EOC.*

Solid waste collection services in the County are franchised, and services are provided by Republic Services, D & O Garbage Services Inc., Loren's Sanitation Service, Inc., Pacific Sanitation, Inc., North Marion Recycling & Disposal, LLC, Republic Services, Suburban Garbage Service, Inc., and Valley Recycling & Disposal, Inc.

Figure 3-1 County Debris Management in the EOC



3.3.1 County Debris Manager

The County Debris Manager’s responsibilities include overall coordination and execution of debris management response before, during, and after a major debris-generating event. Duties include briefing commissioners on the status of the debris clearing, removal, recycling, and disposal operations and ensuring that County is represented at all meetings with other government and private agencies involved with debris cleanup operations.

See Section 4.2 for County Debris Manager responsibilities.

3.3.2 Debris Management Team

As detailed in the RDMP, a DMT may be established to support debris operations. At a minimum, the following departments will be actively involved as DMT members:

- Public Works Department
- Sheriff’s Office
- Health Department
- Information Technology Department

See Section 4.3 of the RDMP for more details on the DMT.

3.3.3 Site Monitors

In accordance with the guidance outlined in Section 4.3.3 of the RDMP, the DMT will appoint Site Monitors for: Field Inspection Teams, Load Site Monitors, and Disposal Site Monitors.

See Section 4.3.3 of the RDMP for more details on the responsibilities of site monitors.

3.4 Debris Management in Action

Debris management has four phases, as outlined in Table 3-1. It is important to note that while each phase indicates a general idea of the number of hours, days, or weeks each phase will take, these numbers are rough estimates and each emergency or disaster will be different.

Table 3-1 Debris Management in Action
Phase Checklist
Readiness
<i>Ensure the County and its partners are ready and able to respond.</i>
<ul style="list-style-type: none"> <input type="checkbox"/> Review and update this annex, including assisting the Region in pre-identifying potential temporary debris storage and reduction (TDSR) sites (<i>see Appendix T of the RDMP for more information</i>) and Public Depots. <input type="checkbox"/> Secure and pre-position equipment to support debris operations in the event that a potential disaster is threatening the area. <input type="checkbox"/> Review and update, as appropriate, lists of qualified contractors, sample contracts, rights-of-entry, hold harmless agreements, and other contracts necessary to conduct debris operations. <input type="checkbox"/> Review local building codes and revise as needed to expedite debris operations. <input type="checkbox"/> Participate in identifying and planning for TDSR sites. <input type="checkbox"/> Develop pre-scripted messaging and educational outreach information.
Response Phase (0–72 hours)
<i>Emergency debris clearance operations</i>
<ul style="list-style-type: none"> <input type="checkbox"/> Activate the EOC and debris contractors as appropriate. <input type="checkbox"/> Assign a Debris Manager and/or Activate the DMT. <input type="checkbox"/> Conduct initial debris operations, including: <ul style="list-style-type: none"> ○ Performing initial damage assessments and estimating debris quantities and types. ○ Documenting areas where debris must be removed. ○ Identifying locations of potentially hazardous/contaminated debris that may require state involvement for clean-up. ○ Conducting debris clearance activities based on debris clearance priorities (discussed in subsequent sections in this chapter). ○ Conducting debris removal, if needed, for life-saving measures. ○ Estimating the magnitude of the incident against available resources to determine what additional requests for support should be made. ○ Establishing TDSR sites, as needed, and coordinating with the Region regarding the establishment of sites. <input type="checkbox"/> Provide initial public messaging regarding safe handling of debris and not blocking public rights-of-way.

Table 3-1 Debris Management in Action
Phase Checklist
Removal Phase (72 hours–30 days)
<i>Debris removal and disposal strategy</i>
<ul style="list-style-type: none"> <input type="checkbox"/> Conduct a County-wide damage assessment to refine initial debris estimates and assessments. <input type="checkbox"/> Work with the Region to ensure that adequate numbers of TDSR sites are operational to accept disaster debris. <input type="checkbox"/> Ensure that contractors hired by the County remove debris according to established objectives. <input type="checkbox"/> Terminate emergency time-and-materials debris clearance and removal contracts after 70 hours of actual work or when the price limit is reached, whichever comes first, and implement more standard contracting processes. <input type="checkbox"/> Work with contractors to restore near-normal curbside collection. <input type="checkbox"/> Continue to disseminate coordinated public information through a Public Information Officer (PIO) or Joint Information Center (JIC), to include providing information about the regional collection strategy, including curbside debris pickup dates, public access to TDSR sites, disaster debris safety-related information, and other debris-related public information. <input type="checkbox"/> Maintain documentation of debris clearance, removal, and disposal activities, and provide information to the County and neighboring EOCs. <input type="checkbox"/> Participate in an Applicant’s Briefing with the FEMA Public Assistance Coordinator.
Recovery Phase (30+ days)
<i>Disposition of personal property, problem debris, and closure of TDSR sites</i>
<ul style="list-style-type: none"> <input type="checkbox"/> Work with contractors to continue to carry out debris removal and demolition of dangerous structures. <input type="checkbox"/> Continue to document debris removal and disposal activities and update documentation. <input type="checkbox"/> Contract for disposition of private automobiles, boats, motor homes, etc. <input type="checkbox"/> Resolve issues with difficult debris materials (e.g., private property debris removal, uncertain ownership, contaminated debris, etc.). <input type="checkbox"/> Coordinate with the County to consolidate, close, and restore TDSR sites. <input type="checkbox"/> Coordinate with state and FEMA representatives to ensure continued compliance with eligibility and documentation requirements.

See Section 3 of the RDMP for more information on the actions outlined in this section.

3.5 Coordination with the Region

An incident impacting Marion County is likely to impact other counties in the Region. The County may require assistance from the Region, or the Region may require assistance from the County. Therefore, it is imperative that steps are taken to ensure proper coordination. The RDMP has been developed to support regional assistance and coordination. This coordination helps to ensure the following:

- Properly managed Incident Command
- Coordinated efforts to restore services to multiple systems
- Effective resource management

- Accurate and consistent issuance of standardized public information among the County's partners

See Section 4.4 of the RDMP for more details regarding regional coordination, including the establishment of a Multi-Agency Coordination Group and Debris Management Centers.

THIS PAGE LEFT BLANK INTENTIONALLY

4 Roles and Responsibilities

Section 4 assigns responsibility to specific county-level departments and agencies, including community partners.

4.1 General

Marion County departments and response partners may have various roles and responsibilities related to debris management throughout an emergency's duration. Typical duties and roles may also vary depending on the incident's size and the severity of impacts, as well as the availability of local and regional resources. This section discusses some of the roles and responsibilities that particular organizations may be responsible for in managing debris removal in the event of a disaster.

The departments and response partners listed below should plan to assume the roles and responsibilities noted in this section to prepare for and respond to debris-causing incidents and to ensure efficient response and recovery operations. Each jurisdiction should assign staff to develop and maintain its operational disaster debris management plans and support debris management operations during an incident. Staff should be assigned to these roles prior to an incident so that proper training and planning can take place.

4.2 Debris Manager

The Debris Manager position will be staffed through Public Works Department and may be responsible for the following:

- Establish local work assignments and priorities.
- Report on debris removal and disposal progress, and prepare status briefings for the EOC, Incident Commander, and other local officials.
- Provide input to the PIO on debris removal and disposal activities.
- Coordinate local resources and contractors to support disaster debris management activities.
- Coordinate with the Region to address issues that affect both the County's and neighboring jurisdictions' operations.
- Secure all authorizations necessary for debris removal activities.

4.3 County Government

4.3.1 All Departments

All departments may be responsible for the following:

Readiness

- Participate in regular review and update of this annex, the EOP, and emergency procedures.
- Assess training needs for staff to support their department's role in debris management and damage assessment.
- Maintain MAAs related to debris management.

Response, Removal, and Recovery

- Conduct/support initial damage assessments.
- Report information on damages, debris quantities, and debris types to the DMT.
- Maintain documentation of departmental costs.
- Participate in after action review of debris operations.

4.3.2 County Board of Commissioners

The County Board of Commissioners may be responsible for the following:

Readiness

- Establish policy and budget priorities to support the County disaster debris management capabilities.
- Participate in disaster debris management training and exercises, as appropriate.

Response, Removal, and Recovery

- Immediately declare a state of emergency to allow access to additional county and state resources.
- Participate in the Policy Group, if established, to support coordination of local disaster debris operations.
- Stay informed, through the local emergency management agencies, regarding the local and regional situation.
- Coordinate any public announcements, statements, or messaging with the PIO.
- Solicit support from partners.

4.3.3 Public Works Department

The Public Works Department serves as the LDMD and may be responsible for the following:

Readiness

- Pre-identify potential sites for the following:
 - Potential locations for TDSR sites
 - Emergency transportation routes

- Public depots (non-FEMA eligible residential debris)
- Pre-position equipment for emergency clearance prior to a disaster if possible.
- Pre-identify emergency transportation routes (ensure that they do not overlap with debris routes).
- Pre-identify and train staff to serve as Debris Manager and on the DMT.
- Assist damage assessment teams.
- Maintain documentation for tracking departmental costs.
- Help define damage assessment in relation to structures and debris.
- Develop right-of-entry processes.
- Develop pre-scripted messages and educational outreach for handling and segregation of disaster debris.
- Develop outreach and education regarding debris categories and disposal requirements.
- Develop criteria for handling and segregation of disaster debris.
- Coordinate with DEQ on issues related to waste generators, recyclers, treatment facilities, transfer stations, and waste haulers.

Response, Removal, and Recovery

- Coordinate and conduct initial and preliminary damage assessment and debris estimation, and gather and track debris information.
- Provide a Debris Manager to support debris operations in the EOC.
- Help prioritize debris clearance activities based on pre-identified emergency transportation routes.
- If emergency transportation routes are impeded, work with the Region or local contractors to attempt to sufficiently clear the roadways to allow access for emergency vehicles. If debris clearance is beyond current capabilities, communicate the need to the EOC.
- Coordinate debris removal in accordance with incident objectives (using contractors).
- Coordinate with Franchise Waste haulers and waste disposal facilities to re-establish routine curbside collection and disposal of municipal solid waste.
- Report debris information to the DMT and EOC and request assistance, as needed.
- Ensure compliance with all federal, state, and local environmental, historical preservation, and other applicable laws, regulations, and policies.
- Procure contracts.
- Participate in after-action review of debris management operations.
- Help establish contractors to develop TDSR sites and conduct debris removal and monitoring as needed.
- Support management of debris removal and monitoring contracts as part of the DMT.
- Help ensure that all environmental protections measures are in place and adhered to at TDSR sites.
- Support Oregon Department of Environmental Quality (DEQ) and Health Department permitting compliance.

- Coordinate with the State Historic Preservation Office to address siting issues related to cultural resources.
- Conduct building inspections of public and private structures to identify unsafe and hazardous buildings.
- Assign staff to conduct damage assessments of jurisdiction-owned housing units and emergency shelters.
- Report information on damages, debris quantities, and debris types to the DMT.
- Oversee the right-of-entry process.
- Maintain documentation of departmental costs.
- Participate in after action review of debris operations.
- Coordinate traffic control at all loading sites and at entrances to and from debris management sites.
- Ensure that jurisdictions are using contracted haulers.

4.3.3.1 Emergency Management

Emergency Management may be responsible for:

Readiness

- Maintain and coordinate regular review of this annex, as well as the County EOP.
- Coordinate disaster debris management training and exercises, as appropriate.
- Conduct pre-planning coordination for TDSR sites and debris removal routes, in coordination with the DMT and supporting agencies.
- Assist County departments in establishing a DMT and identifying a Debris Manager (if not already identified) under the Operations Section.
- Work with the Debris Manager to coordinate and participate in disaster debris management training and exercises, as appropriate.
- Assign damage assessment teams.
- Work with the DMT to develop a damage assessment strategy.
- Coordinate development of the Regional Zone Map.
- Identify critical facilities that will need to be inspected.
- Assess training needs for staff.

Response, Removal, and Recovery

- If necessary, immediately activate the EOC and prepare materials for the County Board of Commissioners to declare a state of emergency according to the EOP. *See the EOP for more information.*
- Provide a liaison, assigned by the PIO, to the JIC, when established.
- Assign public information staff to support the JIC, if appropriate.
- Support damage assessment activities and reporting.
- Request additional support through the regional partners and/or State Emergency Coordination Center.

4.3.4 Information Technology Department

The Information Technology Department may be responsible for the following:

Readiness

- Assist the DMT in developing maps related to TDSR sites, critical facilities, and emergency transportation routes.

Response, Removal, and Recovery

- Develop maps that show debris disposal sites and debris removal routes.
- Support road closure and detour updates as necessary.
- Support mapping debris removal progress reported in daily meetings.

4.3.5 Finance Department

The Finance Department may be responsible for the following:

Readiness

- Develop and review all debris management contracts, including stand-by contracts with pre-identified contractors.
- Participate in reviewing this annex and the County EOP.

Response, Removal, and Recovery

- Secure all authorizations necessary for debris removal activities.
- Maintain familiarity with FEMA public assistance eligibility requirements and provide quality oversight of local debris operations to ensure compliance and maximize reimbursement.
- Provide support to the DMT, as needed.
- Support the contract bidding process.

4.3.6 County Counsel

County Counsel may be responsible for the following:

Readiness

- Review contracts and land leases for TDSR sites and provide guidance on jurisdiction-specific contracting policy.
- Ensure compliance with all local, state, and federal, environmental, historical preservation and other applicable laws, regulations, and policies (*see the [Guide for Federal Disaster Recovery Assistance Applicants](#) for more information*).
- Secure authorizations necessary for debris operations.

Response, Removal, and Recovery

- Review rights-of-entry and hold harmless agreements.

- Review private property insurance information and other assets to ensure full benefits and resources are fully utilized.

4.3.7 Sheriff’s Office

The County Sheriff’s Office provides all law enforcement–related activities and may be responsible for the following:

Response, Removal, and Recovery

- Provide support to the Debris Manager, as needed.
- Assist drive-by assessments of pre-identified critical infrastructure and key resources, as able.
- Assist in monitoring TDSR sites to ensure compliance with local and state safety and traffic regulations, as able.

4.3.8 Health Department

The Health Department may be responsible for the following:

Readiness

- Pre-identify potential health risks, including recovery and handling of deceased/fatalities and potential for issues regarding disposal of human sanitary waste and associated diseases, for a debris-generating event and develop plans and procedures to assist in local operations.
- Develop messaging related to public safety in a debris event.

Response, Removal, and Recovery

- Inspect and coordinate appropriate actions to address issues of contaminated or spoiled food in licensed facilities (i.e. restaurants).
- Provide technical advice regarding health risks and safety procedures for first responders and the public.
- Provide technical assistance to Solid Waste in inspecting TDSR sites based on the interests of public health.
- Assist Solid Waste in evaluating the enforcement of public health regulations in relation to debris response and recovery.
- Help develop best practices to dispose of public health related debris.
- Assist with private well testing through the Oregon Health Authority.
- Provide technical assistance to community water systems.
- Work with the Joint Information System to provide health and safety messaging.

4.4 Regional and Community Partners

4.4.1 Local Contractors

Local contractors may be responsible for the following:

Preparedness

- Work with the County to develop debris management plans to support debris management in the event of a disaster.
- Develop business continuity plans and employee preparedness programs to be ready to support the County in debris management.
- Assist the County in outreach and education regarding debris categories and disposal requirements.
- Maintain familiarity with FEMA public assistance eligibility requirements and provide quality oversight of local debris operations to ensure compliance and maximize reimbursement.

Response and Recovery

- Road clearing efforts to make the road passable by emergency vehicles and first responders.
- Attend a planning meeting with the County with 24 hours of notification.
- Remove debris from public property in accordance with priorities developed by the County and approved scopes of work in contracts.
- Ensure that all debris is transported to appropriate sites, as defined by the County, or to a regulated waste facility.
- Operate TDSR sites (in conjunction with the designated local agency) in accordance with generally accepted standards and practices and in full compliance with applicable environmental regulations.
- Maintain documentation as directed by the County.

4.4.2 Local Utilities

Local utilities may be responsible for:

Preparedness

- Work with local agencies to identify critical infrastructure and key resources, and make plans to bring utilities back to those facilities first, if possible.
- Ensure that EOPs and standard operating procedures are in place to support restoration of service after an event.

Response and Recovery

- Locate underground utilities, when necessary.
- If emergency transportation routes are impeded, assist local agencies in clearing roadways to allow access for emergency vehicles.

- Work to return utility services to critical infrastructure and key resources as quickly as possible.

4.5 City Governments

Cities within the County have a responsibility to prepare for debris operations within their boundaries. Additionally, this will support the County in delivering services to the areas with the lowest capacity to address debris concerns. See Attachment A for City departments involved in debris management. Cities may be responsible for the following:

Preparedness

- Establish policy and budget priorities to support city disaster debris management capabilities.
- Participate in disaster debris management training and exercises, as appropriate.
- Identify a Debris Management Coordinator (if not already identified) under the EOC's Operations Section.
- Maintain a list of pre-identified emergency transportation routes.
- Work with the County to pre-identify potential sites for both temporary staging of debris and potential locations for city TDSR sites.
- Develop and review all debris management contracts, including stand-by contracts with pre-identified contractors.
- Public outreach and training.

Response and Recovery

- Immediately activate the EOC and prepare materials for the City Council to declare a state of emergency according to the city EOP. See the city EOP for more information.
- Declare a state of emergency to allow access to additional county and state resources.
- Participate in the local policy group, if established, to support coordination of local disaster debris operations.
- Stay informed, through local emergency management agencies, of the local and regional situation.
- Coordinate any public announcements, statements, or messaging with the PIO.
- Coordinate initial damage assessment and debris estimation, and gather and track debris information.
- Help prioritize debris clearance activities based on pre-identified emergency transportation routes and other critical infrastructure.
- Maintain documentation of costs.
- Secure all authorizations necessary for debris removal activities.
- Maintain familiarity with FEMA public assistance eligibility requirements and provide quality oversight of local debris operations to ensure compliance and maximize reimbursement.

4.6 Residents

County residents may be responsible for the following:

Preparedness

- Participate in local preparedness groups, such as Citizen Corps (e.g., Community Emergency Response Team), as able.
- Establish and practice home emergency plans.
- Assist the County in outreach and education regarding debris categories and disposal requirements.
- Sign up and participate in local emergency alert programs (e.g., Everbridge).
- Contact insurance company to determine debris removal coverage.

Response and Recovery

- Assist with debris removal efforts by removing debris from the public right-of-way, as able and as trained in the equipment being used.
- Follow guidance provided for separation, drop-off, and/or collection of debris.
- Assist neighbors, as able.

THIS PAGE LEFT BLANK INTENTIONALLY

5 Annex Implementation and Maintenance

5.1 General

To maintain a robust capability to respond to a large-scale debris-generating event, it is important that local responders and personnel tasked with debris management responsibilities are adequately trained. Ultimately, it is the County's responsibility to ensure adequate emergency responses to debris-generating events within the County. County Emergency Management will encourage staff to participate in trainings and exercises to test this annex as resources allow. The County will encourage County departments as well as private industry with a role in debris management to participate in joint exercises.

5.2 Training

Training provides the foundation for successful debris management response and recovery. It is important that the County regularly test debris management capabilities through discussion- and operations-based training. A comprehensive debris management training program should include local debris management training and FEMA training courses that support debris management operations. Refer to the EOP for more information on training opportunities that support general emergency response operations.

FEMA online and classroom training that support debris management operations include:

- IS-632.a: [Introduction to Debris Operations in FEMA's Public Assistance Program](#)
- IS-634: [Introduction to the Public Assistance Program](#)
- E202 Debris Management: [Debris Management Planning for State, Tribal and Local Officials](#)

Training plans should be periodically reviewed and altered based on after-action and corrective-action reports, as well as capabilities assessments that address identified shortfalls.

5.3 Exercises

The County will test its ability to respond to a large-scale debris-generating event through discussion-based (e.g., workshops, tabletop exercises) and operations-based (e.g., drills, functional, and full-scale exercises) exercises on a regular basis as funding and resources allow.

5.4 Review and Update Process

At a minimum, this annex will be reviewed every five years in conjunction with the County EOP review. This review will be coordinated by County Emergency Management and will include:

- Updating authorities and agreements.
- Reviewing the status of resources.

5. Plan Implementation and Maintenance

- Evaluating the procedures outlined in this annex to ensure their continued viability.
- Updating appendices as appropriate.

Recommended changes should be forwarded to:

Marion County Emergency Preparedness Coordinator

Attachment A: City Debris Management Planning

The Regional Debris Management Plan, its annexes, and appendices have been reviewed and approved by each City’s emergency management program and supporting agencies.

The intent of this plan is to provide organizational structure, guidance, and standardized procedures for the clearance, removal, reuse, recycling, and disposal of debris caused by a debris-generating event that may affect the Region, including the cities listed below. It will be used to facilitate and coordinate the removal, collection, and disposal of debris following a disaster in order to mitigate against any potential threat to the health, safety, and welfare of impacted residents, expedite recovery efforts in the impacted area, address any threat of significant damage to improved public or private property, and strengthen opportunities for reimbursement.

_____ Police Chief, City of Aumsville	_____ Date
_____ City Recorder, City of Aurora	_____ Date
_____ City Recorder, City of Detroit	_____ Date
_____ Business Manager, City of Donald	_____ Date
_____ City Administrator and Recorder, City of Gates	_____ Date
_____ City Manager, City of Gervais	_____ Date
_____ City Recorder, City of Hubbard	_____ Date
_____ City Recorder, City of Idanha	_____ Date

Regional Debris Management Plan

**Marion County-Specific Annex
A. City Debris Management Planning**

City Administrator, City of Jefferson	Date
Public Works Director and Emergency Manager, City of Keizer	Date
City Recorder, City of Mill City	Date
City Administrator, City of Mt. Angel	Date
City Recorder, City of St. Paul	Date
Emergency Manager, City of Salem	Date
Business Services, City of Scotts Mills	Date
Administrative Services Director, City of Silverton	Date
Police Chief, City of Stayton	Date
City Administrator, City of Sublimity	Date
City Administrator, City of Turner	Date
Police Chief, City of Woodburn	Date

The following table identifies City departments with specific roles and responsibilities in debris management and how they relate with County Departments.

Debris Management Function	County Department	City Department
City of Aumsville		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	Law Enforcement
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administration
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Aumsville Police
Public Health Services	Health Department	County Health Department
City of Aurora		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Recorder
Public Works	Public Works Department	Public Works Department
Finance Services	Finance Department	Finance Department
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department
City of Detroit		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Recorder
Public Works	Public Works Department	City Staff
Finance Services	Finance Department	City Clerk
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department
City of Donald		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	Business Manager
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Accountant and Utility
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department

City of Gates		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Administrator and Recorder
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administration
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department
City of Gervais		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Manager
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Finance Department
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Gervais Police
Public Health Services	Health Department	County Health Department
City of Hubbard		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Recorder
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administration
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Hubbard Police
Public Health Services	Health Department	County Health Department
City of Idanha		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Recorder
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administration
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department

City of Jefferson		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Administrator
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administration
Legal Services	County Counsel	City Attorney
Police Services	Sheriff's Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department
City of Keizer		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	Public Works/Emergency Management
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Finance
Legal Services	County Counsel	City Attorney
Police Services	Sheriff's Office	Keizer Police
Public Health Services	Health Department	County Health Department
City of Mill City		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Recorder
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administration
Legal Services	County Counsel	City Attorney
Police Services	Sheriff's Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department
City of Mt. Angel		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Administrator
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Finance
Legal Services	County Counsel	City Attorney
Police Services	Sheriff's Office	Mt. Angel Police
Public Health Services	Health Department	County Health Department

City of St. Paul		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Recorder
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Finance
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	St. Paul Police
Public Health Services	Health Department	County Health Department
City of Salem		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	Emergency Manager
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Budget and Finance
Legal Services	County Counsel	Legal Department
Police Services	Sheriff’s Office	Salem Police
Public Health Services	Health Department	County Health Department
City of Scotts Mills		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	Business Manager
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administration
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department
City of Silverton		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	Administrative Services Director
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Finance
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Silverton Police
Public Health Services	Health Department	County Health Department

City of Stayton		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	Police Chief
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Finance
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Stayton Police
Public Health Services	Health Department	County Health Department
City of Sublimity		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Administrator
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administrative Staff
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Marion County Sheriff
Public Health Services	Health Department	County Health Department
City of Turner		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	City Administrator
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Administrative Services
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Turner Police
Public Health Services	Health Department	County Health Department
City of Woodburn		
Elected Officials	Board of Commissioners	City Council
Emergency Management	Emergency Management Division	Police Chief
Public Works	Public Works Department	Public Works
Finance Services	Finance Department	Finance
Legal Services	County Counsel	City Attorney
Police Services	Sheriff’s Office	Woodburn Police
Public Health Services	Health Department	County Health Department

THIS PAGE LEFT BLANK INTENTIONALLY

Attachment B: Request for Qualifications

The County is in the process of building resiliency and working to aid in economic recovery by identifying qualified contractors to support debris management. The following is a synopsis of a meeting on April 18, 2017, regarding the Request for Qualifications (RFQ).

- Only one "Permissive" RFQ for road clearing to be released.
 - Multi-agency coordination between Marion County and City of Salem.
 - Any city in Marion County will be able to use the contract themselves, or request County assistance.
- The road clearing will be compensated with a Time and Materials payment scheme.
 - No longer limited to 70 hours.
 - The time and materials contract for road clearing will end when the Emergency Period ends, and vice versa.
- Contractors responding to the RFQ will be asked to respond through a Mission Ready Package in federal terms from the Emergency Management Assistance Compact website.
- Contractors will be instructed to cooperate with first responders, medical examiners, or others in inspecting debris for human remains, and will clear roads at a pace commensurate with the likelihood of human remains being in that particular debris field.
- After an event, if outside contractors wish to bid on road clearing (or any other debris-related activity), the County may permit them to bid in accordance with our original bid package request, and require them to meet the same deadline(s)
- The County desires to have numerous qualified contractors from all across the County on the Qualified List
- Geographic zones will be considered when establishing contracts.
- Next steps:
 - Draft and release the RFQ.
 - Augment Marion County's Solid Waste Hauling Disaster Response Addendum to exclude Presidential Declarations.
 - The next RFQ will be for fuel sourcing and distribution.

THIS PAGE LEFT BLANK INTENTIONALLY