

Washington County, OR

Risk-assessment baseline packet

County FIPS: 41067 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2028-04-19. Plan: Washington County Natural Hazard Mitigation Plan (FEMA plan 108876), approved 2023-04-20. Since the plan was approved on 2023-04-20: 1 new hazard declaration (1 incident) and 21 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Earthquake (\$162,855,270 a year), Inland Flooding (\$80,552,082) and Heat Wave (\$11,160,501).

The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.

NRI: FEMA's National Risk Index (version 1.20, December 2025).

NFIP: National Flood Insurance Program.

RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).

FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.

PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.

Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.

County-coded: NOAA logged the event to this county.

FIPS: the federal code for a place; 41067 is this area.

D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).

F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.

kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.

CFR: Code of Federal Regulations.

A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).

Dollars: nominal (as reported, labeled with the year), not adjusted for inflation.

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Plan clock

Status:	Approved, expires 2028-04-19	Plan:	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)
Approved:	2023-04-20	Days to expiry:	567

What changed since your last plan (approved 2023-04-20)

New federal declarations:	1 new hazard declaration (1 incident): FM-5529-OR (Lee Falls Fire)	Storm Events records since approval:	21 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 1, SRL 6 (44 CFR 77.2); any definition: 46	Repeat-flood change:	this release sets the baseline count.

Sources: 1, 2, 4, 6 (numbered list at the end)

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Notes
						<i>negative = days since expiry</i>	
Washington County	County	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-04-19
Beaverton city	City	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-08-03
Cornelius city	City	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-11-14
Forest Grove city	City	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-11-14
Hillsboro city	City	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-05-02
North Plains city	City	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-05-18
Portland city	City	Approved, expires 2027-12-11	City of Portland 2021 Natural Hazard Mitigation Plan (FEMA plan 108245)	2022-12-12	2027-12-11	437	
Sherwood city	City	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-06-07
Tigard city	City	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-05-15
Clean Water Services	Water/Sewer Authority	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-07-17
Tualatin Hills Park and Recreation District	Special District	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-06-15
Tualatin Valley Water District	Water/Sewer Authority	Approved, expires 2028-04-19	Washington County Natural Hazard Mitigation Plan (FEMA plan 108876)	2023-04-20	2028-04-19	567	this jurisdiction approved 2023-05-12

State plan status and tribal plans in this state: see the state page.

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- dam failure (incl. upstream dams)
- levee failure
- flash flood as its own subtype
- ice jams
- debris flows
- erosion (riverine and coastal)
- land subsidence and sinkholes
- expansive soils

The 18 National Risk Index hazards, ranked by expected annual loss (EAL)

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Earthquake	Relatively High	Relatively High	\$102,699,341	n/a	\$60,155,929	\$162,855,270			Storm Events does not record earthquakes.
2	Inland Flooding	Relatively High	Relatively High	\$79,821,683	\$92,031	\$638,368	\$80,552,082	39		
3	Heat Wave	Relatively High	Relatively High	\$3,664	\$53,770	\$11,103,068	\$11,160,501	23		
4	Cold Wave	Relatively High	Relatively High	\$14,966	\$26,999	\$9,323,825	\$9,365,791	5		Includes 3 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
5	Tornado	Relatively Low	Relatively Low	\$648,164	\$407	\$1,126,551	\$1,775,122	2		
6	Strong Wind	Relatively Moderate	Relatively High	\$1,334,235	\$121	\$362,111	\$1,696,467	164		Includes 123 High Wind and 37 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
7	Ice Storm	Relatively High	Relatively High	\$330,502	n/a	\$1,046,005	\$1,376,507	6		
8	Lightning	Relatively Moderate	Relatively High	\$23,965	n/a	\$993,117	\$1,017,083	5		
9	Winter Weather	Relatively Moderate	Relatively Moderate	\$63,175	\$2,625	\$150,665	\$216,465	117		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
10	Hail	Very Low	Relatively Low	\$125,695	\$3,470	\$21,959	\$151,124	5		
11	Wildfire	Very Low	Very Low	\$62,541	\$3	\$2,412	\$64,957	1		
12	Landslide	Relatively Low	Relatively Low	\$16,847	n/a	\$26,427	\$43,274	12		
13	Volcanic Activity	Relatively Low	Relatively Low	\$52	n/a	\$15,726	\$15,778	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Avalanche	Very Low	Very Low	\$0	n/a	\$11	\$11	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Drought	Very Low	Very Low	n/a	under \$1	n/a	under \$1	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
16	Coastal Flooding	No Rating	No Expected Annual Losses	\$0	n/a	\$0	\$0	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Hurricane	Not Applicable	Not Applicable					0	NRI rates hurricane Not Applicable for this county, and no counted federal declaration for this county names it (EM-3228-OR names it but is not counted as a local occurrence; see B1-d).	No recorded events in Storm Events since 1996 (data through 2026-06-30).

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local volcanic activity records (Storm Events records this hazard only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: tsunami. That is the evidence for leaving them out of the plan.

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

Coastal Flooding and Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 327 (Very Low, 4.5); tract 334 (Very Low, 4.3); tract 323.01 (Very Low, 4.3)
Earthquake	tract 325.01 (Very High, 99.8); tract 307 (Very High, 99.6); tract 326.04 (Very High, 99.5)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 336 (Relatively Moderate, 98.1); tract 335 (Relatively Moderate, 97.7); tract 327 (Relatively Moderate, 96.8)
Tornado	tract 327 (Relatively Low, 33.9); tract 304.01 (Relatively Low, 33.6); tract 320.01 (Relatively Low, 33.1)
Volcanic Activity	tract 308.01 (Relatively Low, 96.8); tract 316.18 (Relatively Low, 96.8); tract 316.25 (Relatively Low, 96.7)
Wildfire	tract 327 (Relatively Low, 82.2); tract 336 (Relatively Low, 80.0); tract 335 (Relatively Low, 78.6)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 327 is Census Tract 327). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

Extent: scale, observed range and worst recorded event per hazard

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	0					
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	2 records, 1998 to 2017 (2 zone-level)	7 days to 11 days (median 9 days); 2 with a recorded value	11 consecutive days, 2017-01-01 to 2017-01-11, 4 direct deaths, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	3 records, 2024 (3 zone-level)		No crop damage reported in 3 records.		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Drought	U.S. Drought Monitor scale (D0 to D4)	0					Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	8 records, 1963 to 2023	0.63 in to 1.75 in (median 1 in); 8 with a recorded value	1.75 in hail, 1993-05-12	Hail, 2007-07-12, \$1,000 property; \$0 crops (2007 dollars)	Event records naming jurisdictions in the plan: Beaverton city (1 record), Hillsboro city (1 record), Sherwood city (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	23 records, 1998 to 2024 (23 zone-level)	1 day to 6 days (median 3 days); 23 with a recorded value	6 consecutive days, 2022-07-25 to 2022-07-30, 9 direct deaths, zone-level	Excessive Heat, 2021-06-26, \$50,000 property; \$50,000 crops (zone total, 2021 dollars)	Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	6 records, 1998 to 2024 (6 zone-level)		Ice Storm, 2021-02-14, \$5,000,000 property; \$0 crops (2021 dollars); NWS zone ORZ006		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	39 records, 1996 to 2024 (13 zone-level)		Flood, 1996-11-18, \$3,200,000 property; crops not reported (1996 dollars); NWS zone ORZ006		Event records naming jurisdictions in the plan: Beaverton city (1 record). Zone-level records (13) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	12 records, 1996 to 2012 (12 zone-level)		Debris Flow, 2007-12-11, \$1,500,000 property; \$0 crops (2007 dollars); NWS zone ORZ003		Countywide (zone-level records).	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5 records, 1999 to 2018		Lightning, 2003-08-05, \$150,000 property; crops not reported (2003 dollars)		Event records naming jurisdictions in the plan: Hillsboro city (1 record), Tigard city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	160 records, 1996 to 2025 (160 zone-level)	25 kt (29 mph) to 100 kt (115 mph) (median 54 kt (62 mph)); 159 with a recorded value	100 kt (115 mph) measured, High Wind, 2000-01-16; Storm Events area NORTHERN WILLAMETTE VALLEY INCLUDING PORTLAND METRO AREA (legacy zone code ORZ004)	High Wind, 2020-09-07, \$100,000,000 property; \$0 crops (zone total, 2020 dollars)	Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Thunderstorm Wind	wind speed (kt and mph)	4 records, 2009 to 2022	47 kt (54 mph) to 52 kt (60 mph) (median 52 kt (60 mph)); 4 with a recorded value	52 kt (60 mph) estimated gust, Thunderstorm Wind, 2022-04-30; same speed and measurement basis also recorded on 2009-06-04, 2017-05-04	Thunderstorm Wind, 2017-05-04, \$15,000 property; \$0 crops (2017 dollars)	Event records naming jurisdictions in the plan: Beaverton city (1 record), Sherwood city (1 record).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	6 records, 1954 to 2018	F/EF0 to F/EF1 (median F/EF0); 6 with a recorded value	F1 tornado, 1991-11-12, 0.2 mi path length (whole path, pre-1996), 40 yd wide, \$25,000 property; crops not recorded (1991 dollars)	Tornado, 2018-10-29, \$100,000 property; crops not reported (2018 dollars)	Event records naming jurisdictions in the plan: Forest Grove city (1 record), Sherwood city (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					
Wildfire	acres burned (local data)	1 record, 2022 (1 zone-level)		Wildfire, 2022-09-09, \$500,000 property; \$0 crops (2022 dollars); NWS zone ORZ006		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	117 records, 1996 to 2025 (117 zone-level)		Winter Storm, 2008-12-20, \$9,000,000 property; \$11,600,000 crops (2008 dollars); NWS zone ORZ006		Countywide (zone-level records).	

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of avalanche, debris flow, lightning and volcanic ash, volcanic ashfall.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records from zones that no NWS zone-county file places in this county (mostly before 2020) are not counted here (the Methods page explains the zone matching).

Dollars are nominal (as reported), labeled with the year; not adjusted for inflation.

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 17 declarations covering 11 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2024-08-09	2024-08-08	FM-5529-OR	Fire management	Lee Falls Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2020-09-15	2020-09-07	DR-4562-OR	Major disaster	Wildfires and Straight-Line Winds	Wildfire	\$1,236,818.35		
2020-09-10	2020-09-08	FM-5371-OR	Fire management	Chehalem Mountain Bald Peak Fire	Wildfire	no Public Assistance recorded		same incident as DR-4562
2020-09-10	2020-09-08	EM-3542-OR	Emergency	Wildfires	Wildfire	no Public Assistance recorded		same incident as DR-4562
2020-09-08	2020-09-08	FM-5358-OR	Fire management	Powerline Fire	Wildfire	no Public Assistance recorded		same incident as DR-4562
2020-03-28	2020-01-20	DR-4499-OR	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$32,309,649.04		
2020-03-13	2020-01-20	EM-3429-OR	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4499
2016-02-17	2015-12-06	DR-4258-OR	Major disaster	Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Strong Wind; Winter Weather	\$472,875.47		
2009-03-02	2008-12-13	DR-1824-OR	Major disaster	Severe Winter Storm, Record and Near Record Snow	Winter Weather	\$705,396.99		
2007-12-08	2007-12-01	DR-1733-OR	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide	\$825,830.28		
2005-09-07	2005-08-29	EM-3228-OR	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
1996-03-19	1996-12-10	DR-1107-OR	Major disaster	Severe Storms and High Winds	Strong Wind	no Public Assistance recorded		
1996-02-09	1996-02-04	DR-1099-OR	Major disaster	High Winds, Severe Storms and Flooding	Inland Flooding (primary); also designated: Strong Wind	no Public Assistance recorded		
1993-04-26	1993-03-25	DR-985-OR	Major disaster	Earthquake	Earthquake	no Public Assistance recorded		
1974-01-25	1974-01-25	DR-413-OR	Major disaster	Severe Storms, Snowmelt & Flooding	Inland Flooding	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1972-01-21	1972-01-21	DR-319-OR	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1964-12-24	1964-12-24	DR-184-OR	Major disaster	Heavy Rains & Flooding	Inland Flooding	no Public Assistance recorded		

School districts and special districts in this county: \$175,081.60 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1963-02-25	1963-02-25	DR-144-OR	Major disaster	Floods	Inland Flooding
1962-10-16	1962-10-16	DR-136-OR	Major disaster	Severe Storms	Hazard not mapped (severe storm title names no single hazard); not counted
1957-03-01	1957-03-01	DR-69-OR	Major disaster	Flood	Inland Flooding
1956-07-20	1956-07-20	DR-60-OR	Major disaster	Storm & Flood	Inland Flooding
1955-12-29	1955-12-29	DR-49-OR	Major disaster	Flood	Inland Flooding

FEMA recorded these with designated area Statewide and no county, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

27 Fire Management declarations (1973-08-17 to 2001-08-17) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance filed under this county for declarations that do not list it: 2 rows, \$144,502.01

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-4854-OR	2025-01-01	Wildfires	WC Ranches Rangeland Fire Protection Association	\$138,477.90
DR-1510-OR	2004-02-19	Severe Winter Storms	Tualatin Valley Fire & Rescue (Clackamas County)	\$6,024.11

FEMA's Public Assistance summaries file these applicants under this county, but FEMA's declaration rows for these disasters do not designate it (an electric cooperative or district serving several counties, for example). Not in any declaration row above and not counted.

Public Assistance not placed in any Oregon county: 1 row, \$479,867.27; listed on the Oregon state page.

Source: 3

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	5	3	0	3	0	0	1996 to 2026-06-30	Includes 3 Frost/Freeze records.
Drought	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Earthquake	0	0	0	0	1	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	8	0	1	1	0	0	1955 to 2026-06-30	
Heat Wave	23	2	3	5	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	6	1	0	1	0	0	1996 to 2026-06-30	
Inland Flooding	39	3	0	3	6	0	1996 to 2026-06-30	
Landslide	12	0	0	0	2	0	1996 to 2026-06-30	
Lightning	5	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	164	4	6	17	3	0	1955 to 2026-06-30	Includes 123 High Wind and 37 Strong Wind records.
Tornado	6	0	0	0	0	0	1950 to 2026-06-30	
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	1	0	1	1	2	1	1996 to 2026-06-30	
Winter Weather	117	8	6	19	2	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2024-01-12	Winter Storm		\$10,250,000 property; \$0 crops (zone total, 2024 dollars)	9, 12	NWS zone ORZ006 (GREATER PORTLAND METRO AREA), zone-level	new since last plan; within last 5 years	deaths or injuries recorded
2022-07-25	Excessive Heat		\$0 property; \$0 crops (zone total, 2022 dollars)	9, 0	NWS zone ORZ006 (GREATER PORTLAND METRO AREA), zone-level	in the 12 months before plan approval; within last 5 years	deaths or injuries recorded
2022-04-30	Thunderstorm Wind	52 kt (60 mph) estimated gust	\$5,000 property; \$0 crops (2022 dollars)	0, 0	DURHAM	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Thunderstorm Wind
2021-06-26	Excessive Heat		\$50,000 property; \$50,000 crops (zone total, 2021 dollars)	93, 0	NWS zone ORZ006 (GREATER PORTLAND METRO AREA), zone-level		deaths or injuries recorded
2021-02-14	Ice Storm		\$5,000,000 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone ORZ006 (GREATER PORTLAND METRO AREA), zone-level		B1-c worst recorded: Ice Storm
2017-01-01	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2017 dollars)	4, 0	NWS zone ORZ006 (GREATER PORTLAND METRO AREA), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2008-12-20	Winter Storm		\$9,000,000 property; \$11,600,000 crops (zone total, 2008 dollars)	0, 0	NWS zone ORZ006 (GREATER PORTLAND METRO AREA), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2003-08-05	Lightning		\$150,000 property; crops not reported (2003 dollars)	0, 0	TIGARD		B1-c worst recorded: Lightning
2000-01-16	High Wind	100 kt (115 mph) measured	damage not reported	0, 0	Storm Events area NORTHERN WILLAMETTE VALLEY INCLUDING PORTLAND METRO AREA (legacy zone code ORZ004), zone-level		B1-c worst recorded: High Wind and Strong Wind
1996-11-18	Flood		\$3,200,000 property; crops not reported (zone total, 1996 dollars)	0, 0	NWS zone ORZ006 (GREATER PORTLAND METRO AREA), zone-level		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1993-05-12	Hail	1.75 in	damage not recorded (pre-1996 record)	0, 0	Tualatin		B1-c worst recorded: Hail
1991-11-12	Tornado	F1, 0.2 mi path length (whole path, pre-1996), 40 yd wide	\$25,000 property; crops not recorded (1991 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (386 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

Tribal and special-area declarations in this state are listed on the state page.

Supports FEMA checklist item B1-e: probability of future events

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Coastal Flooding	0	events per year at a location (modeled)	none modeled		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Cold Wave	0.226	event-days per year	about 0.226 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	4.29	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	0.191	event-days per year	about 0.191 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	14	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.0147	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 1.47%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.0514	events per year	about 1 in 19 years	Possible	FEMA annualized frequency (modeled)	2.0 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	6.25	event-days per year	about 6.25 days per year	Likely	Storm Events event-days in 11 of 30 years, 1996 to 2025 (36.7%)	97.8	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane		events per year					1851 to 2024 (Atlantic); 1949 to 2024 (Pacific)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	1.22	event-days per year	about 1.22 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	82	1946-12-31 to 2014-02-12 (67 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
Inland Flooding	0.75	event-days per year	about 0.75 days per year	Likely	Storm Events event-days in 18 of 30 years, 1996 to 2025 (60%)	21	1996 to 2023 (28 years)	see B1-f	
Landslide	3.91	events per year (modeled)	about 3.91 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	5.88	days per year with a strike	about 5.88 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.0546	events per year	about 1 in 18 years	Possible	FEMA annualized frequency (modeled)	3	1986 to 2023 (38 years)	countywide	
Tornado	0.0713	events per year	about 1 in 14 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Volcanic Activity	0.0113	annual probability	about 1 in 88 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.0000436	annual probability at a location	chance a given location in the county burns in a year: 0.00436%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	
Winter Weather	10.7	event-days per year	about 10.7 days per year	Highly likely	Storm Events event-days in 28 of 30 years, 1996 to 2025 (93.3%)	202	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year
events per year	Likely	about once in 1 to 10 years
events per year	Possible	about once in 10 to 100 years
events per year	Unlikely	less than once in 100 years
annual probability	Likely	10% to under 100% chance in a given year
annual probability	Possible	1% to under 10% chance in a given year
annual probability	Unlikely	under 1% chance in a given year
event-days (share of years)	Highly likely	event-days recorded in 90% or more of years
event-days (share of years)	Likely	event-days recorded in 10% to under 90% of years
event-days (share of years)	Possible	event-days recorded in some years but under 10% of years
lightning strike-days	Highly likely	cloud-to-ground strikes on 1 or more days per year

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	2	30	0.0667
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	3	30	0.1
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	1	30	0.0333
Tornado	EF0-1	1996 to 2025	2	30	0.0667
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	5 of 134	4.0	4.3	4.5	Very Low 5, Not Applicable 129
Coastal Flooding	0 of 134				No Rating 134
Cold Wave	134 of 134	31.3	52.3	71.8	Relatively Moderate 96, Relatively Low 38
Drought	2 of 134	66.8	67.0	67.2	Very Low 2, No Rating 132
Earthquake	134 of 134	70.1	87.9	99.8	Very High 9, Relatively High 57, Relatively Moderate 63, Relatively Low 5
Hail	134 of 134	7.6	19.7	35.0	Very Low 134
Heat Wave	134 of 134	35.1	67.9	86.4	Relatively High 8, Relatively Moderate 103, Relatively Low 23
Hurricane	0 of 134				Not Applicable 134
Ice Storm	134 of 134	35.4	65.1	83.8	Relatively Moderate 49, Relatively Low 85
Inland Flooding	134 of 134	4.5	35.6	95.3	Relatively High 10, Relatively Moderate 29, Relatively Low 76, Very Low 19
Landslide	133 of 134	10.2	32.3	98.1	Relatively Moderate 4, Relatively Low 4, Very Low 125, No Rating 1
Lightning	134 of 134	11.4	33.1	56.7	Relatively Moderate 11, Relatively Low 112, Very Low 11
Strong Wind	134 of 134	18.4	35.7	66.2	Relatively Moderate 10, Relatively Low 122, Very Low 2
Tornado	134 of 134	9.8	23.6	33.9	Relatively Low 19, Very Low 115
Volcanic Activity	134 of 134	86.7	91.2	96.8	Relatively Low 134
Wildfire	124 of 134	18.5	45.2	82.2	Relatively Low 9, Very Low 115, No Rating 10
Winter Weather	134 of 134	25.6	36.0	53.8	Relatively Moderate 8, Relatively Low 126

Drought: Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

Rated tracts only: No Rating (score 0.0), Not Applicable and Insufficient Data tracts are counted but not used for the minimum, median and maximum.

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, drought, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are (crop and livestock value where a line above names agriculture).

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Washington County	County	Approved, expires 2028-04-19	FMA RL 1, SRL 5; any 32	\$8,406,046.41	0 total; 0 since its plan	Includes \$7,158,545.08 for declarations not counted as hazard incidents (DR-4499-OR).
Beaverton city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 6	\$64,627.55	3 total; 0 since its plan	
Cornelius city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Forest Grove city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 1	\$14,783.44	1 total; 0 since its plan	
Hillsboro city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 1	\$543,774.33	2 total; 0 since its plan	Includes \$517,038.81 for declarations not counted as hazard incidents (DR-4499-OR).
North Plains city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 0	\$48,123.69	0 total; 0 since its plan	
Portland city	City	Approved, expires 2027-12-11	FMA RL 0, SRL 3; any 16	no Public Assistance recorded	0 total; 0 since its plan	Whole community, including the part in Multnomah County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.
Sherwood city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 0	\$15,207.33	3 total; 0 since its plan	
Tigard city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 2	\$169,743.19	1 total; 0 since its plan	

Repetitive-loss counts are for whole NFIP communities, which can extend beyond this county (see the note in B2-c).

School districts and special districts get a plan clock row only.

County Public Assistance in B1-d also includes applicants filed under the county that are not jurisdictions in this plan (for example state agencies, special districts and nonprofits), so the jurisdiction rows add up to less.

Supports FEMA checklist items B2-a and B2-b: vulnerability and potential impacts

Local data needed

The table below gives county-level starting figures; the plan describes impacts for each jurisdiction and its own assets.

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets

County-level starter: exposure, expected annual loss and damage since the plan

Sources: 1, 2, 3, 5, 6, 7

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-04-20 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche	\$0	n/a	under 1	\$0	n/a	\$11					building exposure is 0 in NRI
Coastal Flooding	\$0	n/a	0	\$0	n/a	\$0					building exposure is 0 in NRI
Cold Wave	\$131,635,846,089	\$259,578,011	600,172	\$14,966	\$26,999	\$9,323,825	under 0.0001%		\$0		
Drought	n/a	\$404,080	n/a	n/a	under \$1	n/a	under 0.0001% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$222,097,866,533	n/a	600,372	\$102,699,341	n/a	\$60,155,929	0.0462%				
Hail	\$131,635,846,089	\$259,578,011	600,172	\$125,695	\$3,470	\$21,959	under 0.0001%				
Heat Wave	\$131,635,846,089	\$259,578,011	600,172	\$3,664	\$53,770	\$11,103,068	under 0.0001%		\$0		
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$131,416,606,287	n/a	598,963	\$330,502	n/a	\$1,046,005	0.000251%		\$0		

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-04-20 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Inland Flooding	\$131,547,080,798	\$69,168,863	10,745	\$79,821,683	\$92,031	\$638,368	n/a (see note)	\$14,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$3,952,395,662	n/a	15,716	\$16,847	n/a	\$26,427	0.000426%				
Lightning	\$131,635,846,089	n/a	600,172	\$23,965	n/a	\$993,117	under 0.0001%				
Strong Wind	\$131,635,846,089	\$259,578,011	600,172	\$1,334,235	\$121	\$362,111	0.00101%		\$50,000		Storm Events damage since the plan includes 1 zone-level Strong Wind record (\$50,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$131,635,846,089	\$259,578,011	600,172	\$648,164	\$407	\$1,126,551	0.000492%				
Volcanic Activity	\$131,635,846,089	n/a	600,172	\$52	n/a	\$15,726	under 0.0001%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-04-20 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Wildfire	\$9,982,394,751	\$42,211,429	43,453	\$62,541	\$3	\$2,412	0.000627%			no Public Assistance recorded (1 declaration)	
Winter Weather	\$131,635,846,089	\$259,578,011	600,172	\$63,175	\$2,625	\$150,665	under 0.0001%		\$10,250,000		

Totals since 2023-04-20 (Storm Events through 2026-06-30): 3 county-coded records, 3 with a damage value recorded (including \$0), \$14,000; 18 zone-level records, 17 with a damage value recorded (including \$0), \$10,300,000 reported for the zone; Public Assistance: none recorded on the 1 counted declaration.

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column does not add up to the total; the unit total counts each declaration once.

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

County context

Source: 5

Measure	Value
Population	600,172
Building value (total, not at risk)	\$131,635,846,089
Agriculture value (total, not at risk)	\$259,578,011
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$185,324,256
Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage)	\$84,966,174
Social vulnerability rating	Very Low
Community resilience rating	Relatively High
NRI version	December 2025

FEMA's all-hazard expected annual loss adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	6
Repetitive loss, NFIP insurance definition	45	Severe repetitive loss, NFIP insurance definition	6

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	1	6	45	6	46	0	24
of which: Portland city	0	0	1	0	1	0	0
of which: Washington County (unincorporated area)	1	5	31	5	32	0	19
of which: Beaverton city	0	0	6	0	6	0	3
of which: Forest Grove city	0	0	1	0	1	0	0
of which: Hillsboro city	0	0	1	0	1	0	0
of which: Tigard city	0	0	2	0	2	0	1
of which: Tualatin city (community ID not in plan data)	0	1	3	1	3	0	1
Statewide, no county in FEMA's file	0	0	1	0	1	0	0

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties	Note
Washington County	410238	1	5	31	5	32	0	19	
Beaverton city	410240	0	0	6	0	6	0	3	
Cornelius city	410261	0	0	0	0	0	0	0	
Forest Grove city	410241	0	0	1	0	1	0	0	
Hillsboro city	410243	0	0	1	0	1	0	0	
North Plains city	410270	0	0	0	0	0	0	0	
Portland city	410183	0	3	15	2	16	2	5	Whole community, including the part in Multnomah County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.
Sherwood city	410273	0	0	0	0	0	0	0	
Tigard city	410276	0	0	2	0	2	0	1	

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
single-family residential	1	5	34	5	35	0	21
2 to 4 unit residential	0	1	4	1	4	0	0
other residential	0	0	4	0	4	0	2
non-residential	0	0	3	0	3	0	1
not reported	0	0	0	0	0	0	0

FEMA's occupancy groups have no institutional class; institutional properties are counted in non-residential or other residential in the table by occupancy group.

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

Counts are aggregates of FEMA's public NFIP Multiple Loss Properties file (FEMA's data date 2026-08-02; file version 2026-08-04). No property is identified. County assignment is FEMA's geocode.

In this county 1 property is FMA repetitive loss but not NFIP repetitive loss, and 45 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
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What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each item is met.

The plan adds what only the community has: local data on assets, critical facilities, development and each jurisdiction's impacts; local hazard history, including state-declared emergencies; the mitigation strategy; and adoption.

How the federal data are built: National Risk Index values are FEMA's model, not counts of events. Storm Events is more complete from 1996; zone-level records are placed by forecast zone, not by location in the county. Public Assistance for a jurisdiction is matched by applicant name. The Methods page gives every rule and the known edge cases.

OpenFEMA disclaimer

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

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Corrections: to report an error, name the packet, the table and what your records show. Contact: contact@hazardplain.org