

Pierce County, WA

Risk-assessment baseline packet

County FIPS: 53053 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

Hazard Plain is an independent product built from public federal data. It is not a FEMA document and is not reviewed or endorsed by FEMA or any state agency.

Summary

Plan status as of 2026-09-30: Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible. Plan: Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539), pending adoption here, approved 2026-08-18 by FEMA; not yet adopted here.

Update: FEMA tracker shows a plan approvable pending adoption.

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Earthquake (\$363,823,475 a year), Inland Flooding (\$121,581,168) and Heat Wave (\$13,504,948).

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; 53053 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:	Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible	Plan:	Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539), pending adoption here
Approved:	2026-08-18 by FEMA; not yet adopted here	Expires:	2031-08-17 once adopted
Update underway:	FEMA tracker shows a plan approvable pending adoption		

Not yet eligible: adopt the approved plan.

Not yet eligible: adopt the approved plan.

What changed since your last plan

Not available. Plan 111539 was approved by FEMA on 2026-08-18 but is not yet adopted here, so no since-plan counts are given.

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	Update underway	Notes
						<i>negative = days since expiry</i>		
Pierce County	County	Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible	Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539), pending adoption here	2026-08-18 by FEMA; not yet adopted here	2031-08-17 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Bonney Lake city	City	Approved, expires 2031-08-17	Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539)	2026-08-18	2031-08-17	1,782		
Orting city	City	Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible	Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539), pending adoption here	2026-08-18 by FEMA; not yet adopted here	2031-08-17 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Puyallup city	City	Approved, expires 2031-08-17	Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539)	2026-08-18	2031-08-17	1,782		
University Place city	City	Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible	Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539), pending adoption here	2026-08-18 by FEMA; not yet adopted here	2031-08-17 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Riverside Fire & Rescue District	Fire/EMS District	Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible	Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539), pending adoption here	2026-08-18 by FEMA; not yet adopted here	2031-08-17 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Pierce Fire & Rescue	Fire/EMS District	Approved, expires 2031-08-17	Pierce County Hazard Mitigation Plan (2025) (FEMA plan 111539)	2026-08-18	2031-08-17	1,782		

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	Very High	\$236,708,683	n/a	\$127,114,792	\$363,823,475			Storm Events does not record earthquakes.
2	Inland Flooding	Relatively High	Relatively High	\$121,572,782	\$1,953	\$6,432	\$121,581,168	8		
3	Heat Wave	Relatively High	Relatively High	\$3,573	\$12,386	\$13,488,989	\$13,504,948	8		
4	Cold Wave	Relatively High	Relatively High	\$1,344	\$2,939	\$9,597,749	\$9,602,032	2		
5	Avalanche	Very High	Very High	\$2,802	n/a	\$8,587,698	\$8,590,500	2		
6	Volcanic Activity	Relatively High	Relatively High	\$2,997,864	n/a	\$3,795,164	\$6,793,028	0		Declared 1 time; no Storm Events record of this type.
7	Coastal Flooding	Relatively Moderate	Relatively Moderate	\$1,400,230	n/a	\$93,996	\$1,494,226	3		
8	Lightning	Relatively High	Relatively High	\$63,803	n/a	\$1,419,729	\$1,483,532	5		
9	Tsunami	Relatively Low	Relatively Low	\$264,009	n/a	\$1,156,870	\$1,420,880	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
10	Tornado	Relatively Low	Relatively Low	\$194,558	\$103	\$943,501	\$1,138,162	7		
11	Ice Storm	Relatively High	Relatively High	\$170,115	n/a	\$556,989	\$727,104	7		

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
12	Strong Wind	Relatively Low	Relatively Low	\$469,724	\$1	\$74,328	\$544,053	51		Includes 26 High Wind and 24 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
13	Wildfire	Relatively Low	Relatively Low	\$378,189	\$2	\$7,371	\$385,562	1		
14	Landslide	Relatively Moderate	Relatively Moderate	\$345,919	n/a	\$19,767	\$365,686	6		
15	Winter Weather	Relatively Moderate	Relatively High	\$13,335	\$456	\$317,792	\$331,583	77		
16	Hail	Very Low	Very Low	\$58,831	\$394	\$11,504	\$70,729	1		
17	Drought	Very Low	Very Low	n/a	\$11	n/a	\$11	2		
	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-3227-WA 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 and tsunami records (Storm Events records these hazards only in part).

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 731.19 (Very High, 98.1); tract 702.07 (Very High, 97.7); tract 702.09 (Relatively High, 97.1)
Earthquake	tract 626 (Very High, 100.0); tract 602 (Very High, 99.9); tract 733.01 (Very High, 99.9)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 701 (Relatively High, 99.8); tract 732 (Relatively Moderate, 99.0); tract 726.03 (Relatively Low, 94.9)
Tornado	tract 626 (Very Low, 23.9); tract 9400.04 (Very Low, 23.1); tract 718.03 (Very Low, 23.0)
Tsunami	tract 9400.01 (Relatively Moderate, 81.5); tract 602 (Relatively Moderate, 80.2); tract 603 (Relatively Low, 79.5)
Volcanic Activity	tract 733.01 (Very High, 99.8); tract 9400.10 (Relatively High, 99.7); tract 602 (Relatively High, 99.7)
Wildfire	tract 701 (Relatively High, 96.3); tract 732 (Relatively Moderate, 90.1); tract 731.19 (Relatively Low, 80.1)

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 731.19 is Census Tract 731.19). 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)	2 records, 2019 to 2021 (2 zone-level)		No damage reported in 2 records.		Countywide (zone-level records).	
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	3 records, 2012 to 2024 (3 zone-level)		Coastal Flood, 2012-12-17, \$75,000 property; crops not reported (2012 dollars); NWS zone WAZ509		Countywide (zone-level records).	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	2 records, 2015 to 2016 (2 zone-level)	1 day; 1 with a recorded value	1 consecutive day, 2016-03-26, 1 direct death, zone-level		Countywide (zone-level records).	Cold/Wind Chill records from May to September (a frost night, not a cold wave) are counted but not used for the longest run.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	2 records, 2001 to 2005 (2 zone-level)	1 day to 21 days (median 11 days); 2 with a recorded value	21 days, 2005-03-10 to 2005-03-30, zone-level		Countywide (zone-level records).	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)	1 record, 2007	0.88 in; 1 with a recorded value	0.88 in hail, 2007-10-19		No event record names a jurisdiction in the plan.	
Excessive Heat, Heat	heat index (in event narratives)	8 records, 2009 to 2023 (8 zone-level)	1 day to 5 days (median 4 days); 6 with a recorded value	5 consecutive days, 2023-05-12 to 2023-05-16, zone-level		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)	7 records, 1996 to 2024 (7 zone-level)		Ice Storm, 2012-01-19, \$700,000 property; \$0 crops (2012 dollars); NWS zone WAZ509		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	8 records, 1996 to 2015 (5 zone-level)		Flood, 2009-01-07, \$8,800,000 property; \$0 crops (2009 dollars)		Event records naming jurisdictions in the plan: Orting city (1 record). Zone- level records (5) 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)	6 records, 2007 to 2017 (4 zone-level)		Debris Flow, 2009-01-07, \$500,000 property; \$0 crops (2009 dollars); NWS zone WAZ509		No event record names a jurisdiction in the plan. Zone-level records (4) apply countywide.	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5 records, 1997 to 2013		Lightning, 2013-09-05, \$5,000 property; \$0 crops (2013 dollars)		Event records naming jurisdictions in the plan: Bonney Lake city (1 record), Puyallup 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)	50 records, 1996 to 2025 (50 zone-level)	26 kt (30 mph) to 77 kt (89 mph) (median 48 kt (55 mph)); 50 with a recorded value	77 kt (89 mph) measured, High Wind, 2000-12-14; Storm Events area TACOMA AREA (legacy zone code WAZ008)	High Wind, 2006-12-14, \$11,000,000 property; \$0 crops (zone total, 2006 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	2 records, 1989 to 2013	39 kt (45 mph); 1 with a recorded value	39 kt (45 mph) measured gust, Thunderstorm Wind, 2013-05-13		No event record names a jurisdiction in the plan.	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Tornado	Enhanced Fujita (Fujita before Feb 2007)	9 records, 1978 to 2015	F/EF0 to F/EF1 (median F/EF1); 8 with a recorded value	EF1 tornado, 2009-09-06, 9.6 mi within this county, 170 yd wide, \$180,000 property; \$0 crops (2009 dollars)		Event records naming jurisdictions in the plan: Bonney Lake city (2 records).	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).
Tsunami	none (count and damage only)	0					
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					
Wildfire	acres burned (local data)	1 record, 2020 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	77 records, 1996 to 2025 (77 zone-level)		Heavy Snow, 2004-01-06, \$1,000,000 property; crops not reported (2004 dollars); Storm Events area TACOMA AREA (legacy zone code WAZ008)		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, tsunami 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: 26 declarations covering 22 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Plan 111539 was approved by FEMA on 2026-08-18 but is not yet adopted here, so no since-plan counts are given.

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
2026-04-07	2025-12-05	DR-4906-WA	Major disaster	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Strong Wind	\$210,106.84	within last 5 years	
2025-12-12	2025-12-09	EM-3629-WA	Emergency	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Strong Wind	no Public Assistance recorded	within last 5 years	same incident as DR-4906
2020-09-09	2020-09-08	FM-5360-WA	Fire management	Sumner Grade Fire	Wildfire	no Public Assistance recorded		
2020-03-22	2020-01-20	DR-4481-WA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$463,394,984.20		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2020-03-13	2020-01-20	EM-3427-WA	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4481
2012-03-05	2012-01-14	DR-4056-WA	Major disaster	Severe Winter Storm, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Winter Weather	\$7,885,223.05		
2009-03-02	2008-12-12	DR-1825-WA	Major disaster	Severe Winter Storm and Record and Near Record Snow	Winter Weather	\$489,496.63		
2009-01-30	2009-01-06	DR-1817-WA	Major disaster	Severe Winter Storm, Landslides, Mudslides, and Flooding	Inland Flooding (primary); also designated: Landslide, Winter Weather	\$3,535,788.38		
2007-02-14	2006-12-14	DR-1682-WA	Major disaster	Severe Winter Storm, Landslides, and Mudslides	Landslide; Winter Weather	\$5,151,649.99		
2006-12-12	2006-11-02	DR-1671-WA	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide	\$7,971,041.59		
2005-09-07	2005-08-29	EM-3227-WA	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$6,981.46		
2003-11-07	2003-10-15	DR-1499-WA	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county		
2001-03-01	2001-02-28	DR-1361-WA	Major disaster	Earthquake	Earthquake	\$2,724,928.82		
1997-01-17	1996-12-26	DR-1159-WA	Major disaster	Severe Winter Storms, Land & Muds Slides, Flooding	Inland Flooding; Landslide; Winter Weather	no Public Assistance recorded		
1996-02-09	1996-01-26	DR-1100-WA	Major disaster	High Winds, Severe Storms and Flooding	Inland Flooding (primary); also designated: Strong Wind	no Public Assistance recorded		
1996-01-03	1995-11-07	DR-1079-WA	Major disaster	Severe Storms, High Wind, and Flooding	Inland Flooding; Strong Wind	no Public Assistance recorded		
1993-03-04	1993-01-20	DR-981-WA	Major disaster	Severe Storms & High Wind	Strong Wind	no Public Assistance recorded		
1991-03-08	1990-12-20	DR-896-WA	Major disaster	Severe Storms & High Tides	Inland Flooding (primary); also designated: Coastal Flooding	no Public Assistance recorded		
1990-11-26	1990-11-09	DR-883-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1990-01-18	1990-01-06	DR-852-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1986-12-15	1986-11-22	DR-784-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	PA not declared for this county		
1980-05-21	1980-05-21	DR-623-WA	Major disaster	Volcanic Eruption, Mt. St. Helens	Volcanic Activity	no Public Assistance recorded		
1977-12-10	1977-12-10	DR-545-WA	Major disaster	Severe Storms, Mudslides, & Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded		
1972-03-24	1972-03-24	DR-328-WA	Major disaster	Heavy Rains & Flooding	Inland Flooding	no Public Assistance recorded		
1965-05-11	1965-05-11	DR-196-WA	Major disaster	Earthquake	Earthquake	no Public Assistance recorded		
1964-12-29	1964-12-29	DR-185-WA	Major disaster	Heavy Rains & Flooding	Inland Flooding	no Public Assistance recorded		

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
1963-03-02	1963-03-02	DR-146-WA	Major disaster	Floods	Inland Flooding
1962-10-20	1962-10-20	DR-137-WA	Major disaster	Severe Storms	Hazard not mapped (severe storm title names no single hazard); not counted
1957-03-06	1957-03-06	DR-70-WA	Major disaster	Floods	Inland Flooding
1956-02-25	1956-02-25	DR-50-WA	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.

16 Fire Management declarations (1970-07-18 to 1998-09-25) 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: 3 rows, \$3,403,306.02

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4593-WA	2021-04-08	Severe Winter Storm, Straight-Line Winds, Flooding, Landslides, and Mudslides	Puyallup Tribe of Indians	\$2,246,925.53
DR-4539-WA	2020-04-23	Severe Storms, Flooding, Landslides, and Mudslides	Tacoma Public Utilities	\$149,809.99
DR-4309-WA	2017-04-21	Severe Winter Storms, Flooding, Landslides, Mudslides	WESTERN FOREST IND MUSEUM DBA MT RAINIER SCENIC RR	\$1,006,570.50

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 Washington county: 1 row, \$248,381.20; listed on the Washington 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 records	In the 12 months before plan approval records	Last 5 years records	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	2			1	0		1996 to 2026-06-30	
Coastal Flooding	3			2	1		1996 to 2026-06-30	
Cold Wave	2			0	0		1996 to 2026-06-30	
Drought	2			0	0		1996 to 2026-06-30	
Earthquake	0			0	2			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.

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
Hail	1			0	0		1955 to 2026-06-30	
Heat Wave	8			4	0		1996 to 2026-06-30	
Hurricane	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	7			4	0		1996 to 2026-06-30	
Inland Flooding	8			0	15		1996 to 2026-06-30	
Landslide	6			0	7		1996 to 2026-06-30	
Lightning	5			0	0		1996 to 2026-06-30	
Strong Wind	52			8	4		1955 to 2026-06-30	Includes 26 High Wind and 24 Strong Wind records.
Tornado	9			0	0		1950 to 2026-06-30	
Tsunami	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0			0	1		1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Wildfire	1			0	1		1996 to 2026-06-30	
Winter Weather	77			23	5		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
2023-05-12	Heat		\$0 property; \$0 crops (zone total, 2023 dollars)	0, 0	NWS zone WAZ555 (EAST PUGET SOUND LOWLANDS), zone-level	within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2016-03-26	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2016 dollars)	1, 2	NWS zone WAZ569 (CASCADES OF PIERCE AND LEWIS COUNTIES), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2015-08-29	Strong Wind	47 kt (54 mph) measured gust	\$250,000 property; \$0 crops (zone total, 2015 dollars)	1, 4	NWS zone WAZ509 (Tacoma Area), zone-level		deaths or injuries recorded
2013-09-05	Lightning		\$5,000 property; \$0 crops (2013 dollars)	0, 0	PUYALLUP		B1-c worst recorded: Lightning
2013-05-13	Thunderstorm Wind	39 kt (45 mph) measured gust	\$30,000 property; \$0 crops (2013 dollars)	0, 0	EDGEWOOD		B1-c worst recorded: Thunderstorm Wind
2012-12-17	Coastal Flood		\$75,000 property; crops not reported (zone total, 2012 dollars)	0, 0	NWS zone WAZ509 (TACOMA AREA), zone-level		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2012-01-19	Ice Storm		\$700,000 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone WAZ509 (TACOMA AREA), zone-level		B1-c worst recorded: Ice Storm
2009-09-06	Tornado	EF1, 9.6 mi within this county, 170 yd wide	\$180,000 property; \$0 crops (2009 dollars)	0, 0	BONNEY LAKE		B1-c worst recorded: Tornado
2009-01-07	Flood		\$8,800,000 property; \$0 crops (2009 dollars)	0, 0	FIFE to WILKESON		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2006-12-14	High Wind	50 kt (58 mph) measured gust	\$11,000,000 property; \$0 crops (zone total, 2006 dollars)	2, 2	NWS zone WAZ509 (TACOMA AREA), zone-level		deaths or injuries recorded
2000-12-14	High Wind	77 kt (89 mph) measured	damage not reported	0, 0	Storm Events area TACOMA AREA (legacy zone code WAZ008), zone-level		B1-c worst recorded: High Wind and Strong Wind
1996-11-19	Heavy Snow		damage not reported	1, 22	Storm Events area TACOMA AREA (legacy zone code WAZ008), zone-level		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (183 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	0.9	events per year	about 0.9 per year	Likely	FEMA annualized frequency (modeled)	27	1994 to 2023 (30 years)	see B1-f	
Coastal Flooding	3.12	events per year at a location (modeled)	about 3.1 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	0.0297	event-days per year	about 0.0297 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	0.529	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	3.44	event-days per year	about 3.44 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	161	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.0395	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 3.95%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.0268	events per year	about 1 in 37 years	Possible	FEMA annualized frequency (modeled)	1.1 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	3.81	event-days per year	about 3.81 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	47.2	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	0.643	event-days per year	about 0.643 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	44	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.107	event-days per year	about 0.107 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	3	1996 to 2023 (28 years)	see B1-f	

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
Landslide	3.36	events per year (modeled)	about 3.36 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	9.31	days per year with a strike	about 9.31 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.0128	events per year	about 1 in 78 years	Possible	FEMA annualized frequency (modeled)	1	1986 to 2023 (38 years)	countywide	
Tornado	0.0732	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	
Tsunami	0.0553	annual probability at the most exposed location (used in place of a county value)	chance at the county's most exposed location in a year: 5.53%		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
Volcanic Activity	0.0124	annual probability	about 1 in 81 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.000132	annual probability at a location	chance a given location in the county burns in a year: 0.0132%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	
Winter Weather	27	event-days per year	about 27 days per year	Likely	Storm Events event- days in 20 of 30 years, 1996 to 2025 (66.7%)	485	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	0	30	0
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	0	30	0
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	7	30	0.233
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	8 of 193	95.9	96.4	98.1	Very High 2, Relatively High 6, Not Applicable 185
Coastal Flooding	27 of 193	69.7	90.8	98.0	Relatively High 4, Relatively Moderate 12, Relatively Low 6, Very Low 5, No Rating 166
Cold Wave	30 of 193	15.7	89.7	94.8	Relatively High 22, Relatively Moderate 5, Relatively Low 1, Very Low 2, No Rating 163
Drought	15 of 193	66.8	67.3	68.5	Very Low 15, No Rating 178
Earthquake	193 of 193	79.2	91.2	100.0	Very High 29, Relatively High 117, Relatively Moderate 47
Hail	193 of 193	1.6	8.2	27.6	Very Low 193
Heat Wave	193 of 193	27.3	65.7	83.8	Relatively Moderate 151, Relatively Low 42
Hurricane	0 of 193				Not Applicable 193
Ice Storm	193 of 193	11.7	39.9	63.8	Relatively Low 144, Very Low 49
Inland Flooding	193 of 193	0.9	34.5	99.4	Very High 4, Relatively High 15, Relatively Moderate 38, Relatively Low 103, Very Low 33
Landslide	193 of 193	10.7	51.7	99.8	Relatively High 1, Relatively Moderate 1, Relatively Low 24, Very Low 167
Lightning	193 of 193	13.2	35.4	56.0	Relatively Moderate 12, Relatively Low 178, Very Low 3
Strong Wind	193 of 193	6.3	14.5	42.3	Relatively Low 22, Very Low 171
Tornado	193 of 193	3.8	12.9	23.9	Very Low 193
Tsunami	22 of 193	14.2	53.5	81.5	Relatively Moderate 2, Relatively Low 11, Very Low 9, No Rating 11, Not Applicable 160
Volcanic Activity	193 of 193	80.0	91.9	99.8	Very High 1, Relatively High 18, Relatively Moderate 14, Relatively Low 109, Very Low 51
Wildfire	180 of 193	19.7	52.6	96.3	Relatively High 1, Relatively Moderate 1, Relatively Low 12, Very Low 166, No Rating 13
Winter Weather	193 of 193	22.9	38.5	62.9	Relatively Moderate 21, Relatively Low 172

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
Pierce County	County	Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible	FMA RL 8, SRL 24; any 67	\$44,612,625.24	0 total; no approved plan	Includes \$37,462,430.62 for declarations not counted as hazard incidents (DR-4481-WA).
Bonney Lake city	City	Approved, expires 2031-08-17	FMA RL 0, SRL 0; any 1	\$183,348.51	3 total; not yet covered	
Orting city	City	Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$67,439.35	1 total; no approved plan	
Puyallup city	City	Approved, expires 2031-08-17	FMA RL 0, SRL 1; any 6	\$866,367.45	1 total; not yet covered	Includes \$89,593.66 for declarations not counted as hazard incidents (DR-4481-WA).
University Place city	City	Plan 111539 approved 2026-08-18, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$110,697.48	0 total; no approved 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.

Plan 111539 was approved by FEMA on 2026-08-18 but is not yet adopted here, so no since-plan counts are given.

- 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 plan <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	\$29,659,953	n/a	10	\$2,802	n/a	\$8,587,698	0.00945%				
Coastal Flooding	\$7,641,352,023	n/a	25,660	\$1,400,230	n/a	\$93,996	0.0183%				
Cold Wave	\$21,176,178,592	\$35,929,937	117,288	\$1,344	\$2,939	\$9,597,749	under 0.0001%				
Drought	n/a	\$17,473,827	n/a	n/a	\$11	n/a	under 0.0001% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$313,067,404,371	n/a	921,130	\$236,708,683	n/a	\$127,114,792	0.0756%				
Hail	\$180,400,904,806	\$83,529,878	920,483	\$58,831	\$394	\$11,504	under 0.0001%				
Heat Wave	\$180,400,904,806	\$83,529,878	920,483	\$3,573	\$12,386	\$13,488,989	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$178,829,033,189	n/a	911,886	\$170,115	n/a	\$556,989	under 0.0001%				
Inland Flooding	\$180,046,879,965	\$10,277,347	11,903	\$121,572,782	\$1,953	\$6,432	n/a (see note)				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	\$5,806,499,091	n/a	26,138	\$345,919	n/a	\$19,767	0.00596%				

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 plan <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
Lightning	\$180,400,904,806	n/a	920,483	\$63,803	n/a	\$1,419,729	under 0.0001%				
Strong Wind	\$180,400,904,806	\$83,529,878	920,483	\$469,724	\$1	\$74,328	0.00026%				
Tornado	\$180,400,904,806	\$83,529,878	920,483	\$194,558	\$103	\$943,501	0.000108%				
Tsunami	\$17,624,956,944	n/a	2,751	\$264,009	n/a	\$1,156,870	0.0015%				
Volcanic Activity	\$180,400,904,806	n/a	920,483	\$2,997,864	n/a	\$3,795,164	0.00166%				
Wildfire	\$18,552,659,910	\$12,987,482	100,594	\$378,189	\$2	\$7,371	0.00204%				
Winter Weather	\$180,400,904,806	\$83,529,878	920,483	\$13,335	\$456	\$317,792	under 0.0001%				

Totals since the plan: not available. Plan 111539 was approved by FEMA on 2026-08-18 but is not yet adopted here, so no since-plan counts are given.

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	920,483
Building value (total, not at risk)	\$180,400,904,806
Agriculture value (total, not at risk)	\$83,529,878
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$364,664,008
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)	\$167,192,672
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)	14	Severe repetitive loss, FMA definition (44 CFR 77.2)	33
Repetitive loss, NFIP insurance definition	97	Severe repetitive loss, NFIP insurance definition	9

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	14	33	97	9	126	27	35
of which: Pierce County (unincorporated area)	8	24	45	5	67	21	13
of which: Fircrest city (community ID not in plan data)	0	0	2	0	2	0	1
of which: Puyallup city	0	1	5	1	6	0	1
of which: South Prairie town (community ID not in plan data)	0	1	4	1	4	0	2
of which: Sumner city (community ID not in plan data)	6	4	36	2	39	3	18
of which: Tacoma city (community ID not in plan data)	0	3	1	0	4	3	0
of which: Bonney Lake city	0	0	1	0	1	0	0
of which: Milton city (community ID not in plan data)	0	0	1	0	1	0	0
of which: University Place city	0	0	1	0	1	0	0
of which: Lakewood city (community ID not in plan data)	0	0	1	0	1	0	0
Statewide, no county in FEMA's file	0	0	2	0	2	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 <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>
Pierce County	530138	8	24	45	5	67	21	13
Bonney Lake city	530274	0	0	1	0	1	0	0
Orting city	530143	0	0	0	0	0	0	0
Puyallup city	530144	0	1	5	1	6	0	1
University Place city	530332	0	0	1	0	1	0	0

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 <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>
single-family residential	13	30	81	8	108	26	34
2 to 4 unit residential	0	0	1	0	1	0	1
other residential	0	1	12	0	13	1	0
non-residential	1	2	3	1	4	0	0
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 7 properties are FMA repetitive loss but not NFIP repetitive loss, and 90 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)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (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