

Yakima County, WA

Risk-assessment baseline packet

County FIPS: 53077 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: Approved, expires 2028-01-16. Plan: Yakima County Hazard Mitigation Plan (FEMA plan 108713), approved 2023-01-17.

Since the plan was approved on 2023-01-17: 8 new hazard declarations (7 incidents) and 35 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): Inland Flooding (\$43,511,906 a year), Earthquake (\$29,108,891) and Wildfire (\$18,820,984).

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; 53077 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 2028-01-16	Plan:	Yakima County Hazard Mitigation Plan (FEMA plan 108713)
Approved:	2023-01-17	Days to expiry:	473

What changed since your last plan (approved 2023-01-17)

New federal declarations:	8 new hazard declarations (7 incidents): FM-5499-WA (Slide Ranch Fire), FM-5517-WA (West White Swan Fire), FM-5521-WA (Retreat Fire), EM-3629-WA (Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides), DR-4906-WA (Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides), FM-5649-WA (Signal Peak Fire), FM-5651-WA (Ransier Fire), EM-3650-WA (Wildfires)	Storm Events records since approval:	35 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 1, SRL 4 (44 CFR 77.2); any definition: 19	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: 18 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.
State plan status and tribal plans in this state: see the state page.

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Yakima County	County	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Grandview city	City	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Granger city	City	Plan 108713 approved 2023-01-17, pending adoption here; not yet eligible	Yakima County Hazard Mitigation Plan (FEMA plan 108713), pending adoption here	2023-01-17 by FEMA; not yet adopted here	2028-01-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Harrah town	Town	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Moxee city	City	Plan 108713 approved 2023-01-17, pending adoption here; not yet eligible	Yakima County Hazard Mitigation Plan (FEMA plan 108713), pending adoption here	2023-01-17 by FEMA; not yet adopted here	2028-01-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Naches town	Town	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Selah city	City	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Sunnyside city	City	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Tieton city	City	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Toppenish city	City	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Union Gap city	City	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Yakima city	City	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Other (Yakima Co. Fire District #1 - Highland Fire)	Fire/EMS District	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Other (Yakima Co. Fire District #12 - West Valley Fire)	Fire/EMS District	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Other (Yakima Co. Fire District #2 - Selah Fire)	Fire/EMS District	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Other (Yakima County-Wide Flood Control Zone District)	Flood Control District	Plan 108713 approved 2023-01-17, pending adoption here; not yet eligible	Yakima County Hazard Mitigation Plan (FEMA plan 108713), pending adoption here	2023-01-17 by FEMA; not yet adopted here	2028-01-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Yakima County Fire District #4	Fire/EMS District	Approved, expires 2028-01-16	Yakima County Hazard Mitigation Plan (FEMA plan 108713)	2023-01-17	2028-01-16	473		
Yakima County Fire District #6	Fire/EMS District	Plan 108713 approved 2023-01-17, pending adoption here; not yet eligible	Yakima County Hazard Mitigation Plan (FEMA plan 108713), pending adoption here	2023-01-17 by FEMA; not yet adopted here	2028-01-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

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 modeled dollars per year	EAL agriculture modeled dollars per year	Cost of expected deaths and injuries FEMA's dollar value per year, not property damage	EAL total (see note) modeled dollars per year	Storm Events records, 1996 to 2026-06-30 count	Why this hazard can be left out NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$43,337,818	\$236	\$173,853	\$43,511,906	53		
2	Earthquake	Relatively Moderate	Relatively High	\$18,245,367	n/a	\$10,863,525	\$29,108,891			Storm Events does not record earthquakes.
3	Wildfire	Relatively High	Relatively High	\$17,548,214	\$47,462	\$1,225,308	\$18,820,984	48		
4	Cold Wave	Relatively High	Very High	\$480	\$6,385,224	\$11,117,334	\$17,503,038	26		Includes 20 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
5	Heat Wave	Relatively Moderate	Relatively Moderate	\$1,514	\$523,077	\$3,225,033	\$3,749,624	12		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	Cost of expected deaths and injuries FEMA's dollar value per year, not property damage	EAL total (see note) modeled dollars per year	Storm Events records, 1996 to 2026-06-30 count	Why this hazard can be left out NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
6	Avalanche	Very High	Relatively High	\$24,892	n/a	\$2,983,921	\$3,008,813	1		
7	Hail	Relatively Moderate	Relatively Moderate	\$12,845	\$1,729,817	\$31,069	\$1,773,731	21		
8	Strong Wind	Relatively Moderate	Relatively Moderate	\$204,523	\$4,287	\$580,821	\$789,631	69		Includes 51 High Wind and 5 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
9	Landslide	Relatively High	Relatively Moderate	\$654,065	n/a	\$2,068	\$656,133	2		
10	Lightning	Relatively Moderate	Relatively Moderate	\$63,869	n/a	\$301,635	\$365,504	5		
11	Winter Weather	Relatively High	Relatively Moderate	\$8,589	\$26,711	\$197,478	\$232,778	142		
12	Tornado	Very Low	Very Low	\$66,205	\$3,549	\$111,380	\$181,134	7		
13	Ice Storm	Relatively Low	Relatively Low	\$805	n/a	\$79,255	\$80,060	8		
14	Drought	Relatively Low	Relatively Low	n/a	\$37,268	n/a	\$37,268	0		Declared 1 time; no Storm Events record of this type.
15	Volcanic Activity	Relatively Low	Relatively Low	\$620	n/a	\$7,547	\$8,167	1		
	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.

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: coastal flooding and tsunamis. 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.

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 29 (Relatively High, 94.0); tract 30.03 (Relatively High, 92.8); tract 9400.03 (Relatively High, 92.4)
Earthquake	tract 20.03 (Very High, 98.5); tract 14 (Relatively High, 97.1); tract 9400.07 (Relatively High, 94.9)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 30.03 (Very High, 99.9); tract 9400.03 (Relatively High, 99.6); tract 30.04 (Relatively Moderate, 99.0)
Tornado	tract 20.03 (Very Low, 23.0); tract 16.02 (Very Low, 20.1); tract 20.06 (Very Low, 19.1)
Volcanic Activity	tract 30.03 (Relatively Low, 97.4); tract 29 (Relatively Low, 97.2); tract 16.02 (Relatively Low, 97.2)
Wildfire	tract 30.03 (Very High, 99.9); tract 28.01 (Very High, 99.8); tract 29 (Very High, 99.6)

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 29 is Census Tract 29). 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)	1 record, 2026 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	6 records, 2002 to 2022 (6 zone-level)	1 day to 6 days (median 2 days); 5 with a recorded value	6 consecutive days, 2002-10-30 to 2002-11-04, zone-level	Extreme Cold/Wind Chill, 2002-11-01, property not reported; \$65,000,000 crops (zone total, 2002 dollars)	Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	20 records, 2005 to 2025 (20 zone-level)		Frost/Freeze, 2005-04-13, \$50,000,000 crop damage (2005 dollars); NWS zone WAZ027		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)	22 records, 1993 to 2015	0.62 in to 1.75 in (median 0.88 in); 22 with a recorded value	1.75 in hail, 2012-07-20	Hail, 2001-06-27, \$200,000 property; \$70,000,000 crops (2001 dollars)	Event records naming jurisdictions in the plan: Sunnyside city (3 records), Yakima city (3 records), Grandview city (1 record), Harrah town (1 record), Tieton city (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	12 records, 2002 to 2022 (12 zone-level)	1 day to 7 days (median 4 days); 9 with a recorded value	7 consecutive days, 2022-07-25 to 2022-07-31, 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)	8 records, 1996 to 2022 (8 zone-level)		No damage reported in 8 records.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	53 records, 1997 to 2020 (6 zone-level)		Flood, 2009-01-07, \$1,570,000 property; \$0 crops (2009 dollars)		Event records naming jurisdictions in the plan: Naches town (13 records), Selah city (4 records), Tieton city (4 records), Yakima city (3 records), Sunnyside city (2 records), Union Gap city (1 record). Zone-level records (6) 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)	2 records, 2011 to 2012 (2 zone-level)		No damage reported in 2 records.		Countywide (zone-level records).	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5 records, 1999 to 2006		Lightning, 2000-08-23, \$900,000 property; \$100,000 crops (2000 dollars)		Event records naming jurisdictions in the plan: Yakima city (3 records).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	56 records, 1999 to 2025 (55 zone-level)	34 kt (39 mph) to 73 kt (84 mph) (median 52 kt (60 mph)); 53 with a recorded value	73 kt (84 mph) measured gust, High Wind, 2021-03-28; NWS zone WAZ521	High Wind, 2010-11-15, \$100,000 property; \$0 crops (zone total, 2010 dollars)	No event record names a jurisdiction in the plan. Zone-level records (55) apply countywide.	
Thunderstorm Wind	wind speed (kt and mph)	22 records, 1961 to 2020	48 kt (55 mph) to 70 kt (81 mph) (median 52.5 kt (60 mph)); 16 with a recorded value	70 kt (81 mph), measurement type not recorded, Thunderstorm Wind, 1961-05-25	Thunderstorm Wind, 2012-07-08, \$20,000 property; \$0 crops (2012 dollars)	Event records naming jurisdictions in the plan: Yakima city (2 records), Grandview city (1 record), Selah city (1 record), Sunnyside city (1 record), Union Gap city (1 record).	

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)	8 records, 1957 to 2008	F/EF0 to F/EF2 (median F/EF0); 8 with a recorded value	F2 tornado, 1957-04-30, 1 mi path length (whole path, pre-1996), 23 yd wide, \$2,500 property; crops not recorded (1957 dollars)		Event records naming jurisdictions in the plan: Toppenish city (2 records), Union Gap 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)	1 record, 2005 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Wildfire	acres burned (local data)	48 records, 2000 to 2024 (43 zone-level)		Wildfire, 2012-08-13, \$8,300,000 property; \$0 crops (2012 dollars); NWS zone WAZ520		Event records naming jurisdictions in the plan: Granger city (1 record), Toppenish city (1 record). Zone-level records (43) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	142 records, 1996 to 2026 (142 zone- level)		Heavy Snow, 1996-12-28, \$30,000,000 property; crops not reported (1996 dollars); NWS zone WAZ027		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: 39 declarations covering 33 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
2026-08-03	2026-08-01	EM-3650-WA	Emergency	Wildfires	Wildfire	not yet in FEMA's PA summaries (they cover declarations through 2026-06-30)	new since last plan; within last 5 years	
2026-07-26	2026-07-26	FM-5651-WA	Fire management	Ransier Fire	Wildfire	not yet in FEMA's PA summaries (they cover declarations through 2026-06-30)	new since last plan; within last 5 years	
2026-07-26	2026-07-25	FM-5649-WA	Fire management	Signal Peak Fire	Wildfire	not yet in FEMA's PA summaries (they cover declarations through 2026-06-30)	new since last plan; within last 5 years	
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	no Public Assistance recorded	new since last plan; 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	new since last plan; within last 5 years	same incident as DR-4906
2024-07-26	2024-07-25	FM-5521-WA	Fire management	Retreat Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2024-07-23	2024-07-22	FM-5517-WA	Fire management	West White Swan Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2024-06-23	2024-06-22	FM-5499-WA	Fire management	Slide Ranch Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2021-08-19	2021-08-19	FM-5415-WA	Fire management	Schneider Springs Fire	Wildfire	no Public Assistance recorded		
2021-02-04	2020-09-01	DR-4584-WA	Major disaster	Wildfires and Straight-Line Winds	Wildfire	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-09-01	2020-09-01	FM-5342-WA	Fire management	Evans Canyon Fire	Wildfire	no Public Assistance recorded		same incident as DR-4584
2020-08-17	2020-08-16	FM-5330-WA	Fire management	North Brownstown Fire	Wildfire	no Public Assistance recorded		
2020-03-22	2020-01-20	DR-4481-WA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$7,822,138.55		
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
2018-08-11	2018-08-10	FM-5269-WA	Fire management	Hawk Fire	Wildfire	no Public Assistance recorded		
2017-06-28	2017-06-27	FM-5187-WA	Fire management	South Wenas Fire	Wildfire	no Public Assistance recorded		
2015-10-20	2015-08-09	DR-4243-WA	Major disaster	Wildfires and Mudslides	Wildfire	no Public Assistance recorded		
2015-08-21	2015-08-13	EM-3372-WA	Emergency	Wildfires	Wildfire	no Public Assistance recorded		same incident as DR-4243
2010-07-19	2010-07-18	FM-2848-WA	Fire management	Cowiche Mills Fire	Wildfire	no Public Assistance recorded		
2009-08-22	2009-08-21	FM-2827-WA	Fire management	Dry Creek Fire Complex	Wildfire	no Public Assistance recorded		
2009-03-02	2008-12-12	DR-1825-WA	Major disaster	Severe Winter Storm and Record and Near Record Snow	Winter Weather	\$131,754.61		
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	\$439,320.53		
2005-09-07	2005-08-29	EM-3227-WA	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2004-08-12	2004-08-12	FM-2546-WA	Fire management	Mud Lake Fire	Wildfire	no Public Assistance recorded		
2003-07-12	2003-07-11	FM-2477-WA	Fire management	Wa-Middle Fork Fire-07-12-2003	Wildfire	no Public Assistance recorded		
2001-08-16	2001-08-15	FM-2377-WA	Fire management	Wa Spruce Dome Fire Complex 2377	Wildfire	no Public Assistance recorded		
2001-03-01	2001-02-28	DR-1361-WA	Major disaster	Earthquake	Earthquake	PA not declared for this county		
2000-08-25	2000-08-23	FM-2323-WA	Fire management	Wa - Mule Dry Fire - 2000	Wildfire	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
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	PA not declared for this county		
1990-11-26	1990-11-09	DR-883-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		
1977-03-31	1977-03-31	EM-3037-WA	Emergency	Drought	Drought	no Public Assistance recorded		
1975-12-13	1975-12-13	DR-492-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1974-01-25	1974-01-25	DR-414-WA	Major disaster	Severe Storms, Snowmelt & Flooding	Inland Flooding	no Public Assistance recorded		
1971-02-09	1971-02-09	DR-300-WA	Major disaster	Heavy Rains, Melting Snows & Flooding	Inland Flooding	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 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 <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	1	1	0	1	0	0	1996 to 2026-06-30	
Cold Wave	26	16	3	19	0	0	1996 to 2026-06-30	Includes 20 Frost/Freeze records.
Drought	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Earthquake	0	0	0	0	1	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	22	0	0	0	0	0	1955 to 2026-06-30	
Heat Wave	12	0	3	3	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	8	0	1	1	0	0	1996 to 2026-06-30	
Inland Flooding	53	0	0	0	11	1	1996 to 2026-06-30	
Landslide	2	0	0	0	4	1	1996 to 2026-06-30	
Lightning	5	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	78	1	1	5	3	1	1955 to 2026-06-30	Includes 51 High Wind and 5 Strong Wind records.
Tornado	8	0	0	0	0	0	1950 to 2026-06-30	
Volcanic Activity	1	0	0	0	1	0	1996 to 2026-06-30	
Wildfire	48	1	0	1	18	6	1996 to 2026-06-30	
Winter Weather	142	16	8	28	3	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
2026-01-09	Avalanche		\$0 property; \$0 crops (zone total, 2026 dollars)	2, 1	NWS zone WAZ522 (UPPER SLOPES OF THE EST WASHINGTON CASCADE CREST), 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)	0, 0	NWS zone WAZ520 (EAST SLOPES OF THE WASHINGTON CASCADES), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2021-03-28	High Wind	73 kt (84 mph) measured gust	\$0 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone WAZ521 (SIMCOE HIGHLANDS), zone-level		B1-c worst recorded: High Wind and Strong Wind
2012-08-13	Wildfire		\$8,300,000 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone WAZ520 (EAST SLOPES OF THE WASHINGTON CASCADES), zone-level		B1-c worst recorded: Wildfire
2012-07-20	Hail	1.75 in	\$0 property; \$0 crops (2012 dollars)	0, 0	SUNNYSIDE BROADVIEW		B1-c worst recorded: Hail
2009-01-07	Flood		\$1,570,000 property; \$0 crops (2009 dollars)	0, 0	WAPATO to BYRON		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2005-07-19	Heat		damage not reported	1, 0	NWS zone WAZ027 (YAKIMA VALLEY), zone-level		deaths or injuries recorded
2005-04-13	Frost/Freeze		property not reported; \$50,000,000 crops (zone total, 2005 dollars)	0, 0	NWS zone WAZ027 (YAKIMA VALLEY), zone-level		B1-c worst recorded: Frost/ Freeze
2002-10-30	Extreme Cold/ Wind Chill		damage not reported	0, 0	NWS zone WAZ027 (YAKIMA VALLEY), zone-level		B1-c worst recorded: Cold/ Wind Chill, Extreme Cold/Wind Chill
2000-08-23	Lightning		\$900,000 property; \$100,000 crops (2000 dollars)	0, 0	MABTON		B1-c worst recorded: Lightning
1996-11-19	Heavy Snow		damage not reported	1, 0	NWS zone WAZ027 (YAKIMA VALLEY), zone-level		deaths or injuries recorded
1961-05-25	Thunderstorm Wind	70 kt (81 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind

The full list is in the Excel file, sheet "B1-d Storm Events history" (406 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	0.133	events per year	about 1 in 8 years	Likely	FEMA annualized frequency (modeled)	4	1994 to 2023 (30 years)	see B1-f	
Cold Wave	0.357	event-days per year	about 0.357 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	6.77	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	23.5	event-days per year	about 23.5 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	819	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.0132	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 1.32%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.0905	events per year	about 1 in 11 years	Possible	FEMA annualized frequency (modeled)	3.4 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	4.76	event-days per year	about 4.76 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	55.8	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	0.072	event-days per year	about 0.072 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	5	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.5	event-days per year	about 1.5 days per year	Likely	Storm Events event-days in 18 of 30 years, 1996 to 2025 (60%)	42	1996 to 2023 (28 years)	see B1-f	
Landslide	4.51	events per year (modeled)	about 4.51 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	7.64	days per year with a strike	about 7.64 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.115	events per year	about 1 in 9 years	Likely	FEMA annualized frequency (modeled)	5	1986 to 2023 (38 years)	countywide	
Tornado	0.112	events per year	about 1 in 9 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	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
Volcanic Activity	0.0131	annual probability	about 1 in 76 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.0127	annual probability at a location	chance a given location in the county burns in a year: 1.27%	Likely	Storm Events records in 16 of 30 years, 1996 to 2025 (53.3%)	not shown	modeled	see B1-f	
Winter Weather	18.1	event-days per year	about 18.1 days per year	Highly likely	Storm Events event-days in 29 of 30 years, 1996 to 2025 (96.7%)	345	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	8	30	0.267
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	10	30	0.333
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	3	30	0.1
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	10 of 57	89.3	91.8	94.0	Relatively High 6, Relatively Moderate 4, Not Applicable 47
Cold Wave	57 of 57	51.3	90.0	99.7	Very High 7, Relatively High 41, Relatively Moderate 9
Drought	44 of 57	67.7	72.8	87.2	Relatively Low 14, Very Low 30, No Rating 13
Earthquake	57 of 57	59.5	85.2	98.5	Very High 1, Relatively High 13, Relatively Moderate 36, Relatively Low 7
Hail	57 of 57	12.6	42.2	98.3	Very High 1, Relatively High 8, Relatively Moderate 9, Relatively Low 14, Very Low 25
Heat Wave	57 of 57	20.4	69.8	93.5	Relatively High 5, Relatively Moderate 42, Relatively Low 10
Hurricane	0 of 57				Not Applicable 57
Ice Storm	57 of 57	6.4	20.0	39.8	Relatively Low 8, Very Low 49
Inland Flooding	57 of 57	4.4	64.2	98.3	Very High 5, Relatively High 13, Relatively Moderate 17, Relatively Low 18, Very Low 4
Landslide	44 of 57	9.5	75.3	99.9	Very High 1, Relatively High 1, Relatively Moderate 5, Relatively Low 12, Very Low 25, No Rating 13
Lightning	57 of 57	16.9	35.1	62.1	Relatively Moderate 8, Relatively Low 46, Very Low 3

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Strong Wind	57 of 57	16.1	40.8	82.4	Relatively Moderate 15, Relatively Low 40, Very Low 2
Tornado	57 of 57	2.8	8.0	23.0	Very Low 57
Volcanic Activity	57 of 57	87.8	94.7	97.4	Relatively Low 57
Wildfire	54 of 57	20.4	90.6	99.9	Very High 6, Relatively High 10, Relatively Moderate 12, Relatively Low 7, Very Low 19, No Rating 3
Winter Weather	57 of 57	38.4	62.5	86.9	Relatively High 3, Relatively Moderate 49, Relatively Low 5

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.

Hail: Agriculture is 98% 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
Yakima County	County	Approved, expires 2028-01-16	FMA RL 1, SRL 3; any 14	\$286,581.10	0 total; 0 since its plan	Includes \$51,480.82 for declarations not counted as hazard incidents (DR-4481-WA).
Grandview city	City	Approved, expires 2028-01-16	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 0 since its plan	
Granger city	City	Plan 108713 approved 2023-01-17, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$60,916.24	1 total; no approved plan	
Harrah town	Town	Approved, expires 2028-01-16	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	1 total; 0 since its plan	
Moxee city	City	Plan 108713 approved 2023-01-17, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Naches town	Town	Approved, expires 2028-01-16	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	13 total; 0 since its plan	
Selah city	City	Approved, expires 2028-01-16	FMA RL 0, SRL 1; any 4	\$15,023.22	5 total; 0 since its plan	
Sunnyside city	City	Approved, expires 2028-01-16	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	6 total; 0 since its plan	
Tieton city	City	Approved, expires 2028-01-16	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	5 total; 0 since its plan	
Toppenish city	City	Approved, expires 2028-01-16	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 total; 0 since its plan	
Union Gap city	City	Approved, expires 2028-01-16	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 total; 0 since its plan	
Yakima city	City	Approved, expires 2028-01-16	FMA RL 0, SRL 0; any 1	\$81,744.85	11 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 2023-01-17 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>
Avalanche	\$6,995,510	n/a	5	\$24,892	n/a	\$2,983,921	0.356%		\$0
Cold Wave	\$53,521,683,415	\$2,559,679,896	256,420	\$480	\$6,385,224	\$11,117,334	under 0.0001%		\$0
Drought	n/a	\$1,429,333,258	n/a	n/a	\$37,268	n/a	0.00261% (agriculture)		
Earthquake	\$97,260,219,427	n/a	256,728	\$18,245,367	n/a	\$10,863,525	0.0188%		
Hail	\$53,521,683,415	\$2,559,679,896	256,420	\$12,845	\$1,729,817	\$31,069	under 0.0001%		
Heat Wave	\$53,521,683,415	\$2,559,679,896	256,420	\$1,514	\$523,077	\$3,225,033	under 0.0001%		
Hurricane									
Ice Storm	\$53,521,683,415	n/a	256,420	\$805	n/a	\$79,255	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 2023-01-17 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>
Inland Flooding	\$53,499,852,111	\$198,596,737	12,941	\$43,337,818	\$236	\$173,853	n/a (see note)		
Landslide	\$809,006,346	n/a	3,957	\$654,065	n/a	\$2,068	0.0808%		
Lightning	\$53,521,683,415	n/a	256,420	\$63,869	n/a	\$301,635	0.000119%		
Strong Wind	\$53,521,683,415	\$2,559,679,896	256,420	\$204,523	\$4,287	\$580,821	0.000382%		\$0
Tornado	\$53,521,683,415	\$2,559,679,896	256,420	\$66,205	\$3,549	\$111,380	0.000124%		
Volcanic Activity	\$53,521,683,415	n/a	256,420	\$620	n/a	\$7,547	under 0.0001%		
Wildfire	\$5,714,533,069	\$1,129,839,949	46,555	\$17,548,214	\$47,462	\$1,225,308	0.307%		\$0 no Public Assistance recorded (3 declarations); 3 declarations not yet in F
Winter Weather	\$53,521,683,415	\$2,559,679,896	256,420	\$8,589	\$26,711	\$197,478	under 0.0001%		\$0

Totals since 2023-01-17 (Storm Events through 2026-06-30): 0 county-coded records, 0 with a damage value recorded (including \$0), \$0; 35 zone-level records, 35 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: none recorded on 5 of the 8 counted declarations; 3 not yet in FEMA's PA summaries (they cover declarations through 2026-06-30).

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	256,420
Building value (total, not at risk)	\$53,521,683,415
Agriculture value (total, not at risk)	\$2,559,679,896
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$88,927,437
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)	\$30,900,227
Social vulnerability rating	Relatively High
Community resilience rating	Very Low
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)	4
Repetitive loss, NFIP insurance definition	17	Severe repetitive loss, NFIP insurance definition	1

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	4	17	1	19	1	5
of which: Yakima County (unincorporated area)	1	3	12	1	14	1	3
of which: Selah city	0	1	4	0	4	0	1
of which: Yakima city	0	0	1	0	1	0	1
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>
Yakima County	530217	1	3	12	1	14	1	3
Grandview city	530218	0	0	0	0	0	0	0
Granger city	530219	0	0	0	0	0	0	0
Harrah town	530220	0	0	0	0	0	0	0
Moxee city	530009	0	0	0	0	0	0	0
Naches town	530223	0	0	0	0	0	0	0
Selah city	530226	0	1	4	0	4	0	1
Sunnyside city	530227	0	0	0	0	0	0	0
Tieton city	530265	0	0	0	0	0	0	0
Toppenish city	530228	0	0	0	0	0	0	0
Union Gap city	530229	0	0	0	0	0	0	0
Yakima city	530311	0	0	1	0	1	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 <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	1	4	15	1	17	1	4
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	2	0	2	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 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 16 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)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip, https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

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).

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Yakima County, WA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 53077). Automated baseline. <https://hazardplain.org/wa/53077/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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