

Klickitat County, WA

Risk-assessment baseline packet

County FIPS: 53039 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Expired on 2025-10-25. Plan: Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427), approved 2020-10-26. Since the plan was approved on 2020-10-26: 6 new hazard declarations (6 incidents) and 72 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): Wildfire (\$13,828,709 a year), Inland Flooding (\$9,162,570) and Earthquake (\$1,135,552).

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; 53039 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:	Expired on 2025-10-25	Plan:	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)
Approved:	2020-10-26	Days since expiry:	340
Update underway:	none recorded in FEMA's plan tracker		

Until a new plan is approved, FEMA mitigation project grants (HMGP, FMA) need a FEMA exception (44 CFR 201.6(a)(3)).

What changed since your last plan (approved 2020-10-26)

New federal declarations:	6 new hazard declarations (6 incidents): DR-4593-WA (Severe Winter Storm, Straight-Line Winds, Flooding, Landslides, and Mudslides), DR-4650-WA (Severe Winter Storms, Snowstorms, Straight-Line Winds, Flooding), FM-5470-WA (Newell Road Fire), DR-4775-WA (Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides), FM-5601-WA (Burdoin Fire), DR-4906-WA (Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides)	Storm Events records since approval:	72 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 0	Repeat-flood change:	this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>
Klickitat County	County	Expired on 2025-10-25	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)	2020-10-26	2025-10-25	-340
Bingen city	City	Expired on 2025-10-25	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)	2020-10-26	2025-10-25	-340
Goldendale city	City	Expired on 2025-10-25	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)	2020-10-26	2025-10-25	-340
White Salmon city	City	Expired on 2025-10-25	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)	2020-10-26	2025-10-25	-340
Central Klickitat Conservation District	Conservation District	Expired on 2025-10-25	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)	2020-10-26	2025-10-25	-340
Eastern Klickitat Conservation District	Conservation District	Expired on 2025-10-25	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)	2020-10-26	2025-10-25	-340
Klickitat Valley Health	Hospital/Medical Facility	Expired on 2025-10-25	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)	2020-10-26	2025-10-25	-340
Underwood Conservation District	Conservation District	Expired on 2025-10-25	Klickitat County Natural Hazard Mitigation Plan (FEMA plan 104427)	2020-10-26	2025-10-25	-340

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 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	Wildfire	Relatively High	Relatively High	\$13,207,415	\$3,342	\$617,953	\$13,828,709	49		
2	Inland Flooding	Relatively Low	Relatively Low	\$9,161,720	\$1	\$849	\$9,162,570	7		
3	Earthquake	Relatively Low	Relatively Low	\$848,491	n/a	\$287,060	\$1,135,552			Storm Events does not record earthquakes.
4	Cold Wave	Relatively Low	Relatively Low	\$27	\$15,373	\$723,564	\$738,964	14		Includes 7 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
5	Ice Storm	Relatively High	Relatively Moderate	\$3,520	n/a	\$402,187	\$405,707	7		
6	Lightning	Relatively Low	Relatively Low	\$3,157	n/a	\$225,145	\$228,301	3		
7	Heat Wave	Relatively Low	Relatively Low	\$114	\$16,094	\$172,697	\$188,905	19		
8	Strong Wind	Relatively Low	Relatively Low	\$71,512	\$148	\$80,264	\$151,925	121		Includes 110 High Wind and 6 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
9	Winter Weather	Relatively Moderate	Relatively Moderate	\$1,659	\$1,704	\$80,018	\$83,381	116		

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 <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) modeled dollars per year	Storm Events records, 1996 to 2026-06-30 count	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
10	Hail	Very Low	Very Low	\$20,389	\$46,273	\$3,069	\$69,731	12		
11	Volcanic Activity	Relatively Low	Relatively Low	\$11,433	n/a	\$19,224	\$30,657	0		Declared 1 time; no Storm Events record of this type.
12	Tornado	Very Low	Very Low	\$10,478	\$160	\$12,676	\$23,314	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Landslide	Relatively Low	Relatively Low	\$12,633	n/a	\$660	\$13,294	3		
14	Avalanche	Relatively Low	Very Low	\$1,676	n/a	\$6,793	\$8,469	1		
15	Drought	Very Low	Very Low	n/a	\$1,748	n/a	\$1,748	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.

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

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: 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 9501.03 (Very Low, 65.8); tract 9501.02 (Very Low, 65.7); tract 9502 (Very Low, 65.4)
Earthquake	tract 9502 (Relatively Moderate, 84.3); tract 9503.02 (Relatively Moderate, 84.1); tract 9501.03 (Relatively Moderate, 81.3)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 9502 (Relatively Moderate, 97.0); tract 9503.02 (Relatively Moderate, 96.5); tract 9501.01 (Relatively Low, 94.5)
Tornado	tract 9503.02 (Very Low, 16.8); tract 9503.01 (Very Low, 13.1); tract 9501.03 (Very Low, 11.2)
Volcanic Activity	tract 9503.02 (Relatively Moderate, 98.3); tract 9502 (Relatively Moderate, 98.0); tract 9501.01 (Relatively Low, 97.8)
Wildfire	tract 9503.02 (Very High, 99.9); tract 9502 (Very High, 99.8); tract 9501.01 (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 9501.03 is Census Tract 9501.03). 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, 2025 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	7 records, 2002 to 2022 (7 zone-level)	1 day to 14 days (median 2 days); 6 with a recorded value	14 consecutive days, 2005-12-08 to 2005-12-21, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	7 records, 2022 to 2024 (7 zone-level)		No crop damage reported in 7 records.		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Drought	U.S. Drought Monitor scale (D0 to D4)	1 record, 1999 (1 zone-level)	31 days; 1 with a recorded value	31 days (1 month), 1999-07-01 to 1999-07-31, 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)	12 records, 1998 to 2024	0.75 in to 1.75 in (median 1 in); 12 with a recorded value	1.75 in hail, 2022-07-28		Event records naming jurisdictions in the plan: Goldendale city (2 records).	
Excessive Heat, Heat	heat index (in event narratives)	19 records, 2002 to 2024 (19 zone-level)	2 days to 8 days (median 4 days); 13 with a recorded value	8 consecutive days, 2022-07-25 to 2022-08-01, 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 2017 (7 zone-level)		No damage reported in 7 records.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	7 records, 1997 to 2017 (4 zone-level)		No damage reported in 7 records.		No event record names a jurisdiction in the plan. Zone-level records (4) 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)	3 records, 2011 to 2012 (3 zone-level)		No damage reported in 3 records.		Countywide (zone-level records).	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	3 records, 2000 to 2006		Lightning, 2004-08-02, \$10,000 property; crops not reported (2004 dollars)		Event records naming jurisdictions in the plan: Goldendale 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)	116 records, 1997 to 2026 (116 zone-level)	30 kt (35 mph) to 83 kt (96 mph) (median 56 kt (64 mph)); 111 with a recorded value	83 kt (96 mph) measured gust, High Wind, 2011-01-16; NWS zone WAZ028	Strong Wind, 2018-04-27, \$1,000,000 property; \$0 crops (zone total, 2018 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	5 records, 2002 to 2024	50 kt (58 mph) to 58 kt (67 mph) (median 55 kt (63 mph)); 4 with a recorded value	58 kt (67 mph) measured gust, Thunderstorm Wind, 2020-05-30	Thunderstorm Wind, 2002-07-07, \$1,000 property; crops not reported (2002 dollars)	Event records naming jurisdictions in the plan: Goldendale 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)	0					Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					
Wildfire	acres burned (local data)	49 records, 1998 to 2020 (47 zone-level)		Wildfire, 2012-08-13, \$8,300,000 property; \$0 crops (2012 dollars); NWS zone WAZ520		No event record names a jurisdiction in the plan. Zone-level records (47) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	116 records, 1996 to 2026 (116 zone-level)		No damage reported in 116 records.		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: 29 declarations covering 26 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
2026-04-07	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	\$58,917.65	new since last plan; within last 5 years	
2025-07-19	2025-07-18	FM-5601-WA	Fire management	Burdoin Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2024-04-28	2024-01-05	DR-4775-WA	Major disaster	Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Strong Wind; Winter Weather	\$371,269.91	new since last plan; within last 5 years	
2023-07-23	2023-07-21	FM-5470-WA	Fire management	Newell Road Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		Flags	Notes
						federal share obligated,	nominal dollars		
2022-03-29	2021-12-26	DR-4650-WA	Major disaster	Severe Winter Storms, Snowstorms, Straight-Line Winds, Flooding	Inland Flooding (primary); also designated: Strong Wind, Winter Weather	\$403,363.79		new since last plan; within last 5 years	
2021-04-08	2020-12-29	DR-4593-WA	Major disaster	Severe Winter Storm, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Strong Wind; Winter Weather	\$42,767.90		new since last plan	
2020-03-22	2020-01-20	DR-4481-WA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$121,320.10		in the 12 months before plan approval	
2020-03-13	2020-01-20	EM-3427-WA	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		in the 12 months before plan approval	same incident as DR-4481
2015-09-14	2015-09-13	FM-5113-WA	Fire management	Horsethief Butte Fire	Wildfire	no Public Assistance recorded			
2015-08-21	2015-08-13	EM-3372-WA	Emergency	Wildfires	Wildfire	no Public Assistance recorded			
2015-08-05	2015-08-04	FM-5094-WA	Fire management	Highway 8 Fire	Wildfire	no Public Assistance recorded			
2012-09-06	2012-09-05	FM-5011-WA	Fire management	Highway 141 Fire Complex	Wildfire	no Public Assistance recorded			
2012-03-05	2012-01-14	DR-4056-WA	Major disaster	Severe Winter Storm, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Winter Weather	\$1,637,970.52			
2011-09-08	2011-09-08	FM-2966-WA	Fire management	Monastery Fire Complex	Wildfire	no Public Assistance recorded			
2011-03-25	2011-01-11	DR-1963-WA	Major disaster	Severe Winter Storm, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Winter Weather	\$117,112.61			
2009-03-02	2008-12-12	DR-1825-WA	Major disaster	Severe Winter Storm and Record and Near Record Snow	Winter Weather	\$92,810.37			
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	\$116,207.97			
2007-02-14	2006-12-14	DR-1682-WA	Major disaster	Severe Winter Storm, Landslides, and Mudslides	Landslide; Winter Weather	\$298,387.63			
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			
2000-08-25	2000-08-23	FM-2323-WA	Fire management	Wa - Mule Dry Fire - 2000	Wildfire	no Public Assistance recorded			
1998-07-28	1998-07-28	FM-2225-WA	Fire management	Wa - Cleveland Fire - 07/28/98	Wildfire	no Public Assistance recorded			
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			
1997-01-07	1996-11-19	DR-1152-WA	Major disaster	Severe Ice Storm	Ice Storm	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			

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
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		
1974-01-25	1974-01-25	DR-414-WA	Major disaster	Severe Storms, Snowmelt & 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 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	1	1	0	1	0	0	1996 to 2026-06-30	
Cold Wave	14	8	0	8	0	0	1996 to 2026-06-30	Includes 7 Frost/Freeze records.
Drought	1	0	0	0	1	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	12	2	0	2	0	0	1955 to 2026-06-30	

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
Heat Wave	19	13	1	9	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	7	0	0	0	1	0	1996 to 2026-06-30	
Inland Flooding	7	0	0	0	12	4	1996 to 2026-06-30	
Landslide	3	0	0	0	9	3	1996 to 2026-06-30	
Lightning	3	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	121	19	4	17	5	4	1955 to 2026-06-30	Includes 110 High Wind and 6 Strong Wind records.
Tornado	0	0	0	0	0	0	1950 to 2026-06-30	No recorded events, 1950 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	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)
Wildfire	49	0	1	0	9	2	1996 to 2026-06-30	
Winter Weather	116	29	3	25	9	3	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2024-07-12	Excessive Heat		\$0 property; \$0 crops (zone total, 2024 dollars)	3, 0	NWS zone WAZ028 (LOWER COLUMBIA BASIN), zone-level	new since last plan; within last 5 years	deaths or injuries recorded
2022-07-28	Hail	1.75 in	\$0 property; \$0 crops (2022 dollars)	0, 0	BICKLETON	new since last plan; within last 5 years	B1-c worst recorded: Hail
2022-07-25	Excessive Heat		\$0 property; \$0 crops (zone total, 2022 dollars)	0, 0	NWS zone WAZ024 (EASTERN COLUMBIA RIVER GORGE), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2021-06-26	Excessive Heat		\$0 property; \$0 crops (zone total, 2021 dollars)	2, 0	NWS zone WAZ028 (LOWER COLUMBIA BASIN), zone-level	new since last plan	deaths or injuries recorded
2020-05-30	Thunderstorm Wind	58 kt (67 mph) measured gust	\$0 property; \$0 crops (2020 dollars)	0, 0	GOODNOE HILLS	in the 12 months before plan approval	B1-c worst recorded: Thunderstorm Wind
2018-04-27	Strong Wind	46 kt (53 mph) measured gust	\$1,000,000 property; \$0 crops (zone total, 2018 dollars)	0, 0	NWS zone WAZ028 (LOWER COLUMBIA BASIN), zone-level		B1-c most damaging: 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
2011-01-16	High Wind	83 kt (96 mph) measured gust	damage not reported	0, 0	NWS zone WAZ028 (LOWER COLUMBIA BASIN), zone-level		B1-c worst recorded: High Wind and Strong Wind
2005-12-08	Cold/Wind Chill		damage not reported	0, 0	NWS zone WAZ028 (BENTON/FRANKLIN/WALLA WALLA T SE/E KLICKITAT), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2004-08-02	Lightning		\$10,000 property; crops not reported (2004 dollars)	0, 0	GOLDENDALE		B1-c worst recorded: Lightning
1999-07-01	Drought		damage not reported	0, 0	NWS zone WAZ028 (LOWER COLUMBIA BASIN), zone-level		B1-c worst recorded: Drought
1997-01-16	Ice Storm		damage not reported	1, 5	NWS zone WAZ028 (LOWER COLUMBIA BASIN), zone-level		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (353 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	0.0333	events per year	about 1 in 30 years	Possible	FEMA annualized frequency (modeled)	1	1994 to 2023 (30 years)	see B1-f	
Cold Wave	0.41	event-days per year	about 0.41 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	7.75	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	22.6	event-days per year	about 22.6 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	735	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.0142	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 1.42%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.139	events per year	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	5.3 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	4.12	event-days per year	about 4.12 days per year	Likely	Storm Events event-days in 8 of 30 years, 1996 to 2025 (26.7%)	42.9	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	0.212	event-days per year	about 0.212 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	14	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.25	event-days per year	about 0.25 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	7	1996 to 2023 (28 years)	see B1-f	
Landslide	0.695	events per year (modeled)	about 0.69 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	7.67	days per year with a strike	about 7.67 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.13	events per year	about 1 in 8 years	Likely	FEMA annualized frequency (modeled)	5	1986 to 2023 (38 years)	countywide	
Tornado	0.0511	events per year	about 1 in 20 years	Possible	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	0.0132	annual probability	about 1 in 76 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.0183	annual probability at a location	chance a given location in the county burns in a year: 1.83%	Likely	Storm Events records in 16 of 30 years, 1996 to 2025 (53.3%)	not shown	modeled	see B1-f	
Winter Weather	15.2	event-days per year	about 15.2 days per year	Likely	Storm Events event-days in 24 of 30 years, 1996 to 2025 (80%)	286	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	7	30	0.233
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	4	30	0.133
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	0	30	0
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	6 of 6	63.9	65.1	65.8	Very Low 6
Cold Wave	6 of 6	49.3	73.3	91.4	Relatively High 3, Relatively Moderate 3
Drought	6 of 6	67.0	75.8	79.1	Relatively Low 1, Very Low 5
Earthquake	6 of 6	74.3	78.9	84.3	Relatively Moderate 3, Relatively Low 3
Hail	6 of 6	32.0	61.5	73.6	Relatively Moderate 1, Relatively Low 4, Very Low 1
Heat Wave	6 of 6	24.6	48.6	60.2	Relatively Moderate 2, Relatively Low 4
Hurricane	0 of 6				Not Applicable 6
Ice Storm	6 of 6	45.6	92.9	98.6	Very High 3, Relatively Moderate 1, Relatively Low 2
Inland Flooding	6 of 6	56.9	93.2	97.8	Very High 3, Relatively High 1, Relatively Moderate 2
Landslide	6 of 6	67.1	94.0	97.0	Relatively Moderate 2, Relatively Low 3, Very Low 1
Lightning	6 of 6	54.3	92.4	96.6	Very High 1, Relatively High 4, Relatively Moderate 1

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Strong Wind	6 of 6	51.5	61.9	83.8	Relatively High 1, Relatively Moderate 4, Relatively Low 1
Tornado	6 of 6	4.3	10.8	16.8	Very Low 6
Volcanic Activity	6 of 6	96.6	97.5	98.3	Relatively Moderate 2, Relatively Low 4
Wildfire	6 of 6	83.4	99.5	99.9	Very High 5, Relatively Low 1
Winter Weather	6 of 6	69.5	91.0	95.5	Relatively High 4, Relatively Moderate 2

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 66% 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	Public Assistance to this jurisdiction	Event records naming this place
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>
Klickitat County	County	Expired on 2025-10-25	FMA RL 0, SRL 0; any 0	\$995,448.55	0 total; 0 since its plan
Bingen city	City	Expired on 2025-10-25	FMA RL 0, SRL 0; any 0	\$15,722.94	0 total; 0 since its plan
Goldendale city	City	Expired on 2025-10-25	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	4 total; 1 since its plan
White Salmon city	City	Expired on 2025-10-25	FMA RL 0, SRL 0; any 0	\$18,683.98	0 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 2020-10-26 <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	\$12,629,575	n/a	under 1	\$1,676	n/a	\$6,793	0.0133%		\$0		
Cold Wave	\$6,400,240,035	\$127,697,924	22,707	\$27	\$15,373	\$723,564	under 0.0001%		\$0		
Drought	n/a	\$68,046,550	n/a	n/a	\$1,748	n/a	0.00257% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$11,170,657,727	n/a	22,735	\$848,491	n/a	\$287,060	0.0076%				
Hail	\$6,400,240,035	\$127,697,924	22,707	\$20,389	\$46,273	\$3,069	0.000319%	\$0			
Heat Wave	\$6,400,240,035	\$127,697,924	22,707	\$114	\$16,094	\$172,697	under 0.0001%		\$0		
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$6,385,604,451	n/a	22,465	\$3,520	n/a	\$402,187	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 2020-10-26 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Inland Flooding	\$6,394,222,188	\$3,372,355	379	\$9,161,720	\$1	\$849	n/a (see note)			\$876,319.25	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	\$373,683,006	n/a	1,499	\$12,633	n/a	\$660	0.00338%			\$472,955.46	
Lightning	\$6,400,240,035	n/a	22,707	\$3,157	n/a	\$225,145	under 0.0001%				
Strong Wind	\$6,400,240,035	\$127,697,924	22,707	\$71,512	\$148	\$80,264	0.00112%	\$0	\$0	\$876,319.25	
Tornado	\$6,400,240,035	\$127,697,924	22,707	\$10,478	\$160	\$12,676	0.000164%				
Volcanic Activity	\$6,400,240,035	n/a	22,707	\$11,433	n/a	\$19,224	0.000179%				
Wildfire	\$1,967,756,775	\$57,867,836	10,648	\$13,207,415	\$3,342	\$617,953	0.671%		no Public Assistance recorded (2 declarations)		
Winter Weather	\$6,400,240,035	\$127,697,924	22,707	\$1,659	\$1,704	\$80,018	under 0.0001%		\$0	\$817,401.60	

Totals since 2020-10-26 (Storm Events through 2026-06-30): 4 county-coded records, 4 with a damage value recorded (including \$0), \$0; 68 zone-level records, 68 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: \$876,319.25 on 6 counted declarations, 4 of them with Public Assistance.

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	22,707
Building value (total, not at risk)	\$6,400,240,035
Agriculture value (total, not at risk)	\$127,697,924
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$23,439,069
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)	\$2,632,158
Social vulnerability rating	Relatively High
Community resilience rating	Relatively 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)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	0	Severe repetitive loss, NFIP insurance definition	0

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	0	0	0	0	0	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>
Klickitat County	530099	0	0	0	0	0	0	0
Bingen city	530100	0	0	0	0	0	0	0
Goldendale city	530101	0	0	0	0	0	0	0
White Salmon city	530305	0	0	0	0	0	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: 0 in every occupancy group.

Sources: 1, 4

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 0 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_place_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_unsd_national.zip

gazetteer/2024_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.

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