

Laramie County, WY

Risk-assessment baseline packet

County FIPS: 56021 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2028-04-13. Plan: Region Seven, WY Hazard Mitigation Plan 2023 (FEMA plan 108836), approved 2023-04-14. Since the plan was approved on 2023-04-14: 1 new hazard declaration (1 incident) and 387 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 (\$13,273,886 a year), Cold Wave (\$10,927,650) and Tornado (\$7,331,424).

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; 56021 is this area.

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

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

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

CFR: Code of Federal Regulations.

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

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

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Plan clock

Status:	Approved, expires 2028-04-13	Plan:	Region Seven, WY Hazard Mitigation Plan 2023 (FEMA plan 108836)
Approved:	2023-04-14	Days to expiry:	561

What changed since your last plan (approved 2023-04-14)

New federal declarations:	1 new hazard declaration (1 incident): FM-5490-WY (Happy Jack Fire)	Storm Events records since approval:	387 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 7	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>	Notes
Laramie County	County	Approved, expires 2028-04-13	Region Seven, WY Hazard Mitigation Plan 2023 (FEMA plan 108836)	2023-04-14	2028-04-13	561	this jurisdiction approved 2023-05-05
Albin town	Town	Approved, expires 2028-04-13	Region Seven, WY Hazard Mitigation Plan 2023 (FEMA plan 108836)	2023-04-14	2028-04-13	561	
Burns town	Town	Approved, expires 2028-04-13	Region Seven, WY Hazard Mitigation Plan 2023 (FEMA plan 108836)	2023-04-14	2028-04-13	561	
Cheyenne city	City	Approved, expires 2028-04-13	Region Seven, WY Hazard Mitigation Plan 2023 (FEMA plan 108836)	2023-04-14	2028-04-13	561	this jurisdiction approved 2023-05-05
Pine Bluffs town	Town	Approved, expires 2028-04-13	Region Seven, WY Hazard Mitigation Plan 2023 (FEMA plan 108836)	2023-04-14	2028-04-13	561	
Eastern Laramie County Sanitation District	Water/Sewer Authority	Approved, expires 2028-04-13	Region Seven, WY Hazard Mitigation Plan 2023 (FEMA plan 108836)	2023-04-14	2028-04-13	561	

Plan 108836 covers 15 other participants, named in the Excel file.

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

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Low	Relatively Low	\$12,491,023	\$591,104	\$191,759	\$13,273,886	92	
2	Cold Wave	Relatively High	Relatively High	\$28,894	\$459,967	\$10,438,789	\$10,927,650	25	
3	Tornado	Relatively Moderate	Relatively Moderate	\$1,844,004	\$15,978	\$5,471,442	\$7,331,424	53	
4	Hail	Relatively Moderate	Relatively Moderate	\$1,929,877	\$96,261	\$410,572	\$2,436,710	905	
5	Wildfire	Relatively Moderate	Relatively Moderate	\$1,954,885	\$648	\$129,407	\$2,084,939	3	
6	Lightning	Relatively High	Relatively High	\$13,656	n/a	\$1,271,959	\$1,285,615	1	
7	Ice Storm	Relatively High	Relatively High	\$4,530	n/a	\$1,223,214	\$1,227,744	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
8	Strong Wind	Relatively Moderate	Relatively Moderate	\$23,931	\$1,033	\$1,123,898	\$1,148,862	1,004	Includes 823 High Wind records (a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition).
9	Winter Weather	Very High	Very High	\$45,048	\$46	\$1,096,872	\$1,141,966	232	
10	Earthquake	Relatively Low	Relatively Low	\$669,871	n/a	\$232,664	\$902,536		Storm Events does not record earthquakes.
11	Heat Wave	Very Low	Very Low	\$15	\$1,349	\$64,759	\$66,123	2	
12	Drought	Very Low	Very Low	n/a	\$21,189	n/a	\$21,189	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year; not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
13	Landslide	Very Low	Very Low	\$708	n/a	\$207	\$914	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Avalanche	Very Low	Very Low	\$0	n/a	under \$1	under \$1	0	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 landslide 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, hurricane, tsunami and volcanic activity. 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 19.02 (Very Low, 0.5)
Earthquake	tract 7.02 (Relatively Low, 71.3); tract 7.01 (Relatively Low, 66.8); tract 6.02 (Relatively Low, 63.3)
Landslide	tract 19.02 (Relatively Low, 92.2); tract 20.01 (Very Low, 69.9); tract 19.01 (Very Low, 68.6)
Tornado	tract 4.01 (Very High, 94.3); tract 15.02 (Very High, 93.7); tract 20.02 (Relatively High, 91.0)
Wildfire	tract 19.02 (Relatively High, 98.8); tract 19.01 (Relatively High, 97.7); tract 20.01 (Relatively High, 97.2)

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 19.02 is Census Tract 19.02). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	0					
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	25 records, 2009 to 2026 (25 zone-level)	1 day to 5 days (median 2 days); 20 with a recorded value	5 consecutive days, 2024-01-12 to 2024-01-16, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
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)	1,113 records, 1955 to 2026	0.5 in to 5 in (median 1 in); 1,113 with a recorded value	5 in hail, 1968-06-08	Hail, 2002-08-26, \$30,000,000 property; crops not reported (2002 dollars)	Event records naming jurisdictions in the plan: Cheyenne city (336 records), Albin town (63 records), Pine Bluffs town (54 records), Burns town (48 records).	
Excessive Heat, Heat	heat index (in event narratives)	2 records, 2022 (2 zone-level)	1 day; 2 with a recorded value	1 consecutive day, 2022-09-07, zone-level		Countywide (zone-level records).	
Ice Storm	Sperry-Piltz ice scale (local data)	0					
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	92 records, 1996 to 2025		Flash Flood, 2023-07-20, \$60,000 property; \$0 crops (2023 dollars)		Event records naming jurisdictions in the plan: Cheyenne city (35 records), Burns town (7 records), Pine Bluffs town (7 records), Albin town (3 records).	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)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	1 record, 1996		No damage or casualties reported in 1 record.		Event records naming jurisdictions in the plan: Cheyenne city (1 record).	Storm Events lists lightning with damage or casualties.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	823 records, 2009 to 2026 (823 zone-level)	35 kt (40 mph) to 95 kt (109 mph) (median 56 kt (64 mph)); 823 with a recorded value	95 kt (109 mph) measured gust, High Wind, 2026-03-12, 3 direct injuries (reported for the zone); NWS zone WYZ118	High Wind, 2025-12-19, \$500,000 property; crops not reported (zone total, 2025 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	242 records, 1955 to 2026	49 kt (56 mph) to 87 kt (100 mph) (median 52 kt (60 mph)); 228 with a recorded value	87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1994-06-12	Thunderstorm Wind, 2026-06-25, \$1,000,000 property; crops not reported (2026 dollars)	Event records naming jurisdictions in the plan: Cheyenne city (49 records), Burns town (11 records), Albin town (8 records), Pine Bluffs town (6 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	128 records, 1953 to 2026	F/EF0 to F/EF3 (median F/EF0); 114 with a recorded value	F3 tornado, 1979-07-16, 8.8 mi path length (whole path, pre-1996), 80 yd wide, \$25,000,000 property; crops not recorded (1979 dollars), 1 direct death, 40 direct injuries		Event records naming jurisdictions in the plan: Cheyenne city (11 records), Pine Bluffs town (10 records), Burns town (4 records), Albin town (2 records).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Wildfire	acres burned (local data)	3 records, 2018 to 2024 (3 zone-level)		Wildfire, 2024-03-01, \$250,000 property; crops not reported (2024 dollars); NWS zone WYZ117		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	232 records, 2009 to 2026 (232 zone-level)		No damage reported in 232 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 and lightning.

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: 5 declarations covering 3 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2024-03-01	2024-03-01	FM-5490-WY	Fire management	Happy Jack Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2020-04-11	2020-01-20	DR-4535-WY	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$2,283,198.50		
2020-03-13	2020-01-20	EM-3479-WY	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4535
1985-08-07	1985-08-07	DR-740-WY	Major disaster	Severe Storms, Hail & Flooding	Inland Flooding (primary); also designated: Hail	no Public Assistance recorded		
1979-07-19	1979-07-19	DR-591-WY	Major disaster	Severe Storms & Tornadoes	Tornado	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
1963-07-04	1963-07-04	DR-155-WY	Major disaster	Heavy Rains & Flooding	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.

Public Assistance filed under this county for declarations that do not list it: 2 rows, \$69,264.34

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4007-WY	2011-07-22	Severe Storms, Flooding, and Landslides	Wyoming Department of Transportation	\$47,215.94
DR-1923-WY	2010-07-14	Flooding	Wyoming Department of Transportation	\$22,048.40

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

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	25	5	3	9	0	0	1996 to 2026-06-30	
Drought	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	1,113	105	4	109	1	0	1955 to 2026-06-30	
Heat Wave	2	0	2	2	0	0	1996 to 2026-06-30	
Ice Storm	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Inland Flooding	92	14	0	14	1	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	1	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	1,065	215	74	355	0	0	1955 to 2026-06-30	Includes 823 High Wind records.
Tornado	128	8	0	8	1	0	1950 to 2026-06-30	
Wildfire	3	1	0	1	1	1	1996 to 2026-06-30	
Winter Weather	232	39	23	82	0	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
2026-03-12	High Wind	95 kt (109 mph) measured gust	\$100,000 property; crops not reported (zone total, 2026 dollars)	0, 3	NWS zone WYZ118 (CENTRAL LARAMIE COUNTY), zone-level	new since last plan; within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2025-12-19	High Wind	63 kt (72 mph) measured gust	\$500,000 property; crops not reported (zone total, 2025 dollars)	0, 0	NWS zone WYZ117 (SOUTH LARAMIE RANGE FOOTHILLS), zone-level	new since last plan; within last 5 years	B1-c most damaging: High Wind and Strong Wind
2024-03-01	Wildfire		\$250,000 property; crops not reported (zone total, 2024 dollars)	0, 0	NWS zone WYZ117 (SOUTH LARAMIE RANGE FOOTHILLS), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Wildfire
2024-01-12	Extreme Cold/ Wind Chill		damage not reported	0, 0	NWS zone WYZ106 (CENTRAL LARAMIE RANGE AND SOUTHWEST PLATTE COUNTY), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Cold/ Wind Chill, Extreme Cold/Wind Chill
2023-07-20	Flash Flood		\$60,000 property; \$0 crops (2023 dollars)	0, 0	FEDERAL	new since last plan; within last 5 years	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2022-09-07	Heat		damage not reported	0, 0	NWS zone WYZ118 (CENTRAL LARAMIE COUNTY), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2011-12-31	High Wind	66 kt (76 mph) measured gust	\$0 property; \$0 crops (zone total, 2011 dollars)	0, 7	NWS zone WYZ118 (CENTRAL LARAMIE COUNTY), zone-level		deaths or injuries recorded
2011-02-11	High Wind	71 kt (82 mph) measured gust	\$0 property; \$0 crops (zone total, 2011 dollars)	1, 0	NWS zone WYZ106 (CENTRAL LARAMIE RANGE AND SOUTHWEST PLATTE COUNTY), zone-level		deaths or injuries recorded
2002-08-26	Hail	2.75 in	\$30,000,000 property; crops not reported (2002 dollars)	0, 0	CHEYENNE		B1-c most damaging: Hail
1994-06-12	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	NE Cheyenne		B1-c worst recorded: Thunderstorm Wind
1979-07-16	Tornado	F3, 8.8 mi path length (whole path, pre-1996), 80 yd wide	\$25,000,000 property; crops not recorded (1979 dollars)	1, 40	location not recorded		deaths or injuries recorded
1968-06-08	Hail	5 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail

The full list is in the Excel file, sheet "B1-d Storm Events history" (2,661 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Cold Wave	3.4	event-days per year	about 3.4 days per year	Likely	Storm Events event-days in 13 of 30 years, 1996 to 2025 (43.3%)	64.6	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	54	event-days per year	about 54 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	1,897	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.000529	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0529%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	4.9	events per year	about 4.9 per year	Highly likely	FEMA annualized frequency (modeled)	186.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.136	event-days per year	about 0.136 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	0.644	2005-11-12 to 2024-11-12 (19 years)	countywide	
Ice Storm	0.0325	event-days per year	about 0.0325 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	3	1946-12-31 to 2014-02-12 (67 years)	countywide	No Storm Events ice storm record, 1996 to 2025
Inland Flooding	2.04	event-days per year	about 2.04 days per year	Likely	Storm Events event-days in 22 of 30 years, 1996 to 2025 (73.3%)	57	1996 to 2023 (28 years)	see B1-f	
Landslide	0.746	events per year (modeled)	about 0.75 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	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
Lightning	52.4	days per year with a strike	about 52.4 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.995	events per year	about 1 per year	Likely	FEMA annualized frequency (modeled)	38	1986 to 2023 (38 years)	countywide	
Tornado	1.61	events per year	about 1.61 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.00137	annual probability at a location	chance a given location in the county burns in a year: 0.137%	Possible	Storm Events records in 2 of 30 years, 1996 to 2025 (6.67%)	not shown	modeled	see B1-f	
Winter Weather	20.9	event-days per year	about 20.9 days per year	Likely	Storm Events event-days in 17 of 30 years, 1996 to 2025 (56.7%)	398	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	661	30	22
Hail	2.00 in+	1996 to 2025	61	30	2.03
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	158	30	5.27
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	13	30	0.433
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	42	30	1.4
Tornado	EF2-3	1996 to 2025	3	30	0.1
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	6	30	0.2

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	1 of 27	0.5	0.5	0.5	Very Low 1, Not Applicable 26
Cold Wave	27 of 27	16.9	93.8	98.0	Very High 8, Relatively High 17, Relatively Moderate 1, Very Low 1
Drought	8 of 27	67.0	69.7	88.3	Relatively Low 3, Very Low 5, No Rating 19
Earthquake	27 of 27	19.4	49.9	71.3	Relatively Low 19, Very Low 8
Hail	27 of 27	47.6	89.8	96.0	Relatively High 15, Relatively Moderate 11, Relatively Low 1
Heat Wave	27 of 27	1.6	3.6	5.5	Very Low 27
Ice Storm	27 of 27	2.1	93.4	96.3	Relatively High 18, Relatively Moderate 8, Very Low 1
Inland Flooding	27 of 27	0.4	32.1	80.8	Relatively High 1, Relatively Moderate 7, Relatively Low 13, Very Low 6
Landslide	26 of 27	9.3	14.5	92.2	Relatively Low 1, Very Low 25, No Rating 1
Lightning	27 of 27	0.6	92.1	97.9	Very High 3, Relatively High 19, Relatively Moderate 4, Very Low 1
Strong Wind	27 of 27	2.7	77.3	88.3	Relatively High 2, Relatively Moderate 22, Relatively Low 2, Very Low 1

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	27 of 27	16.0	84.3	94.3	Very High 2, Relatively High 16, Relatively Moderate 8, Very Low 1
Wildfire	25 of 27	18.8	80.5	98.8	Relatively High 3, Relatively Moderate 6, Relatively Low 6, Very Low 10, No Rating 2
Winter Weather	27 of 27	19.6	97.9	99.4	Very High 18, Relatively High 8, Relatively Low 1

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<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>	
Laramie County	County	Approved, expires 2028-04-13	FMA RL 0, SRL 0; any 2	\$5,561.30	0 total; 0 since its plan	Includes \$5,561.30 for declarations not counted as hazard incidents (DR-4535-WY).
Albin town	Town	Approved, expires 2028-04-13	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	76 total; 12 since its plan	
Burns town	Town	Approved, expires 2028-04-13	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	70 total; 6 since its plan	
Cheyenne city	City	Approved, expires 2028-04-13	FMA RL 0, SRL 0; any 5	no Public Assistance recorded	432 total; 31 since its plan	
Pine Bluffs town	Town	Approved, expires 2028-04-13	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	77 total; 9 since its plan	

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

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

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

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

Local data needed

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

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard

- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-04-14 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche	\$0	n/a	under 1	\$0	n/a	under \$1					building exposure is 0 in NRI
Cold Wave	\$20,502,100,484	\$237,665,302	100,483	\$28,894	\$459,967	\$10,438,789	0.000141%		\$0		
Drought	n/a	\$21,847,313	n/a	n/a	\$21,189	n/a	0.097% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$35,416,468,421	n/a	100,512	\$669,871	n/a	\$232,664	0.00189%				
Hail	\$20,502,100,484	\$237,665,302	100,483	\$1,929,877	\$96,261	\$410,572	0.00941%	\$1,400,000			
Heat Wave	\$19,158,231,432	\$226,959,423	95,791	\$15	\$1,349	\$64,759	under 0.0001%				
Ice Storm	\$20,460,595,084	n/a	100,040	\$4,530	n/a	\$1,223,214	under 0.0001%				
Inland Flooding	\$20,500,639,106	\$11,887,687	1,415	\$12,491,023	\$591,104	\$191,759	n/a (see note)	\$60,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$100,117,330	n/a	427	\$708	n/a	\$207	0.000707%				
Lightning	\$20,502,100,484	n/a	100,483	\$13,656	n/a	\$1,271,959	under 0.0001%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-04-14 <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
Strong Wind	\$20,502,100,484	\$237,665,302	100,483	\$23,931	\$1,033	\$1,123,898	0.000117%	\$1,025,000	\$650,000		Storm Events damage since the plan includes 5 zone-level High Wind records (\$650,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$20,502,100,484	\$237,665,302	100,483	\$1,844,004	\$15,978	\$5,471,442	0.00899%	\$0			
Wildfire	\$3,352,586,051	\$141,322,044	26,541	\$1,954,885	\$648	\$129,407	0.0583%		\$250,000	no Public Assistance recorded (1 declaration)	
Winter Weather	\$20,502,100,484	\$237,665,302	100,483	\$45,048	\$46	\$1,096,872	0.00022%		\$0		

Totals since 2023-04-14 (Storm Events through 2026-06-30): 179 county-coded records, 37 with a damage value recorded (including \$0), \$2,485,000; 208 zone-level records, 34 with a damage value recorded (including \$0), \$900,000 reported for the zone; Public Assistance: none recorded on the 1 counted declaration.

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

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

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

County context

Source: 5

Measure	Value
Population	100,483
Building value (total, not at risk)	\$20,502,100,484
Agriculture value (total, not at risk)	\$237,665,302
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$20,194,015
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)	\$21,655,543
Social vulnerability rating	Relatively Low
Community resilience rating	Relatively Moderate
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	7	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	7	0	7	0	1
of which: Laramie County (unincorporated area)	0	0	2	0	2	0	0
of which: Cheyenne city	0	0	5	0	5	0	1
Statewide, no county in FEMA's file	0	0	1	0	1	0	0

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

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <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>
Laramie County	560029	0	0	2	0	2	0	0
Albin town	560090	0	0	0	0	0	0	0
Burns town	560083	0	0	0	0	0	0	0
Cheyenne city	560030	0	0	5	0	5	0	1
Pine Bluffs town	560031	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

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	0	0	3	0	3	0	0
2 to 4 unit residential	0	0	2	0	2	0	1
other residential	0	0	0	0	0	0	0
non-residential	0	0	2	0	2	0	0
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 7 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_Gazetteer/2024_Gaz_cousubs_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_Gazetteer/2024_Gaz_place_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_Gazetteer/2024_Gaz_unsd_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_Gazetteer/2024_Gaz_elsd_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_Gazetteer/2024_Gaz_scsd_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.

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