

Albany County, WY

Risk-assessment baseline packet

County FIPS: 56001 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 2030-09-07. Plan: Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571), approved 2025-09-08. Since the plan was approved on 2025-09-08: no new hazard declaration and 126 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 (\$6,459,422 a year), Cold Wave (\$6,330,277) and Lightning (\$979,107). 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; 56001 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.

CONTENTS

1. Summary and terms used, page 1
2. Plan clock, page 2
3. What changed since your last plan (approved 2025-09-08), page 2
4. B1-a: hazard identification, page 3
5. B1-b: hazard location, page 4
6. B1-c: hazard extent, page 5
7. B1-d: previous occurrences, page 7
8. B1-e: probability of future events, page 10
9. B1-f: hazards that vary across jurisdictions, page 12
10. B2-a and B2-b: vulnerability and potential impacts, page 14
11. B2-a: vulnerability (county context), page 15
12. B2-c: repetitive loss properties, page 16
13. Sources, what the plan adds, disclaimer and citation, page 17

Plan clock

Status:	Approved, expires 2030-09-07	Plan:	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)
Approved:	2025-09-08	Days to expiry:	1,438

What changed since your last plan (approved 2025-09-08)

New federal declarations:	none	Storm Events records since approval:	126 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>
Albany County	County	Approved, expires 2030-09-07	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)	2025-09-08	2030-09-07	1,438
Laramie city	City	Approved, expires 2030-09-07	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)	2025-09-08	2030-09-07	1,438
Rock River town	Town	Approved, expires 2030-09-07	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)	2025-09-08	2030-09-07	1,438
Albany County School District 1	School/School District	Approved, expires 2030-09-07	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)	2025-09-08	2030-09-07	1,438
Albany County Fire District #1	Fire/EMS District	Approved, expires 2030-09-07	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)	2025-09-08	2030-09-07	1,438
Laramie Rivers Conservation District	Conservation District	Approved, expires 2030-09-07	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)	2025-09-08	2030-09-07	1,438
Pioneer Canal - Lake Hattie Irrigation District	Community Services District	Approved, expires 2030-09-07	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)	2025-09-08	2030-09-07	1,438
Wold Improvement and Service District	Community Services District	Approved, expires 2030-09-07	Region Three, WY Hazard Mitigation Plan 2025 (FEMA plan 110571)	2025-09-08	2030-09-07	1,438

Plan 110571 covers 17 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	\$6,397,372	\$41,869	\$20,181	\$6,459,422	23	
2	Cold Wave	Relatively Moderate	Relatively High	\$21,706	\$193,607	\$6,114,964	\$6,330,277	42	
3	Lightning	Relatively High	Relatively High	\$23,100	n/a	\$956,007	\$979,107	5	
4	Avalanche	Relatively Moderate	Relatively Moderate	under \$1	n/a	\$913,333	\$913,333	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
5	Tornado	Relatively Low	Relatively Low	\$275,447	\$1,296	\$586,626	\$863,369	16	
6	Wildfire	Relatively Low	Relatively Low	\$757,019	\$283	\$24,821	\$782,122	7	
7	Earthquake	Relatively Low	Relatively Low	\$466,483	n/a	\$109,468	\$575,951		Storm Events does not record earthquakes.
8	Winter Weather	Relatively High	Relatively High	\$36,119	\$18	\$457,037	\$493,174	529	
9	Hail	Relatively Low	Relatively Low	\$257,946	\$9,086	\$18,768	\$285,799	106	
10	Strong Wind	Relatively Low	Relatively Low	\$13,043	\$125	\$218,710	\$231,878	1,148	Includes 1,079 High Wind and 1 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
11	Ice Storm	Relatively Low	Relatively Low	\$23,000	n/a	\$79,207	\$102,207	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Landslide	Relatively Moderate	Relatively Low	\$3,393	n/a	\$50,093	\$53,486	0	Declared 1 time; no Storm Events record of this type.

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	Drought	No Rating	No Expected Annual Losses	n/a	\$0	n/a	\$0	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Heat Wave	No Rating	No Expected Annual Losses	\$0	\$0	\$0	\$0	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 9639 (Relatively Moderate, 80.1)
Earthquake	tract 9635 (Relatively Low, 77.6); tract 9634 (Relatively Low, 71.0); tract 9639 (Relatively Low, 65.5)
Landslide	tract 9639 (Relatively High, 99.4); tract 9627 (Relatively Low, 83.3); tract 9637 (Very Low, 67.2)
Tornado	tract 9637 (Relatively Moderate, 69.9); tract 9635 (Relatively Moderate, 61.0); tract 9636 (Relatively Moderate, 60.0)
Wildfire	tract 9639 (Relatively High, 98.2); tract 9627 (Relatively Moderate, 95.6); tract 9637 (Relatively Moderate, 94.4)

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 9639 is Census Tract 9639). 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	42 records, 1996 to 2026 (42 zone-level)	1 day to 6 days (median 2 days); 29 with a recorded value	6 consecutive days, 1996-01-30 to 1996-02-04, 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)	130 records, 1962 to 2026	0.75 in to 4.5 in (median 1 in); 130 with a recorded value	4.5 in hail, 1973-09-08	Hail, 2001-07-03, \$50,000 property; crops not reported (2001 dollars)	Event records naming jurisdictions in the plan: Laramie city (52 records), Rock River town (11 records).	
Excessive Heat, Heat	heat index (in event narratives)	0					
Ice Storm	Sperry-Piltz ice scale (local data)	0					
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	23 records, 2007 to 2023		Flash Flood, 2022-08-13, \$76,380 property; \$0 crops (2022 dollars)		Event records naming jurisdictions in the plan: Laramie city (5 records), Rock River town (1 record).	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)	5 records, 1996 to 2023		Lightning, 1999-07-24, damage not reported, 2 direct deaths	Lightning, 1996-08-05, \$300,000 property; crops not reported (1996 dollars)	Event records naming jurisdictions in the plan: Laramie city (2 records).	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)	1,080 records, 1996 to 2026 (1,080 zone-level)	35 kt (40 mph) to 95 kt (109 mph) (median 57 kt (66 mph)); 1,080 with a recorded value	95 kt (109 mph) measured gust, High Wind, 2026-03-11; NWS zone WYZ115	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)	93 records, 1964 to 2026	50 kt (58 mph) to 78 kt (90 mph) (median 53 kt (61 mph)); 92 with a recorded value	78 kt (90 mph) measured gust, Thunderstorm Wind, 2017-06-27	Thunderstorm Wind, 2002-06-21, \$25,000 property; crops not reported (2002 dollars)	Event records naming jurisdictions in the plan: Laramie city (23 records), Rock River town (2 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	32 records, 1953 to 2025	F/EF0 to F/EF3 (median F/EF0); 26 with a recorded value	EF3 tornado, 2018-06-06, 11.3 mi within this county, 600 yd wide, damage not reported	Tornado, 2008-05-22, \$300,000 property; \$0 crops (2008 dollars)	Event records naming jurisdictions in the plan: Laramie city (7 records), Rock River town (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).
Wildfire	acres burned (local data)	7 records, 2018 to 2024 (7 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)	529 records, 1996 to 2026 (529 zone-level)		Winter Storm, 1997-12-08, \$25,000 property; \$0 crops (1997 dollars), 5 direct injuries (reported for the zone); Storm Events area LARAMIE VALLEY (legacy zone code WYZ065)		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: 10 declarations covering 8 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>	Notes
2020-09-26	2020-09-25	FM-5375-WY	Fire management	Mullen Fire	Wildfire	no Public Assistance recorded	
2020-04-11	2020-01-20	DR-4535-WY	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$560,596.28	
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
2018-06-11	2018-06-11	FM-5241-WY	Fire management	Badger Creek Fire	Wildfire	no Public Assistance recorded	
2015-07-07	2015-05-24	DR-4227-WY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$738,527	
2012-07-02	2012-07-01	FM-2993-WY	Fire management	Squirrel Creek Fire	Wildfire	no Public Assistance recorded	
2012-06-29	2012-06-29	FM-2992-WY	Fire management	Arapahoe Fire	Wildfire	no Public Assistance recorded	
2011-07-22	2011-05-18	DR-4007-WY	Major disaster	Severe Storms, Flooding, and Landslides	Inland Flooding; Landslide	\$75,564.55	
2002-07-01	2002-06-29	FM-2436-WY	Fire management	Wy - Reese Mountain Fire - 07/01/02	Wildfire	no Public Assistance recorded	
2002-06-18	2002-06-18	FM-2427-WY	Fire management	Wy-Hensel Fire-06/07/02	Wildfire	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.

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	42	1	1	16	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

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
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	130	4	6	17	0	0	1955 to 2026-06-30	
Heat Wave	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	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	23	0	0	10	2	0	1996 to 2026-06-30	
Landslide	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)
Lightning	5	0	0	1	0	0	1996 to 2026-06-30	
Strong Wind	1,173	93	72	386	0	0	1955 to 2026-06-30	Includes 1,079 High Wind and 1 Strong Wind records.
Tornado	32	0	2	5	0	0	1950 to 2026-06-30	
Wildfire	7	0	0	1	6	0	1996 to 2026-06-30	
Winter Weather	529	28	25	177	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
2026-03-11	High Wind	95 kt (109 mph) measured gust	damage not reported	0, 0	NWS zone WYZ115 (LARAMIE VALLEY), zone-level	new since last plan; within last 5 years	B1-c worst recorded: 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	within last 5 years	B1-c worst recorded: Wildfire
2022-08-13	Flash Flood		\$76,380 property; \$0 crops (2022 dollars)	0, 0	ALBANY	within last 5 years	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2018-06-06	Tornado	EF3, 11.3 mi within this county, 600 yd wide	damage not reported	0, 0	WYOMING to HOWELL		B1-c worst recorded: Tornado
2017-06-27	Thunderstorm Wind	78 kt (90 mph) measured gust	\$0 property; \$0 crops (2017 dollars)	0, 0	(LAR)BREESE FIELD		B1-c worst recorded: Thunderstorm Wind
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
1999-12-03	Winter Storm		\$15,000 property; crops not reported (zone total, 1999 dollars)	1, 1	Storm Events area LARAMIE VALLEY (legacy zone code WYZ065), zone-level		deaths or injuries recorded
1999-07-24	Lightning		damage not reported	2, 0	CENTENNIAL		deaths or injuries recorded
1997-12-08	Winter Storm		\$25,000 property; \$0 crops (zone total, 1997 dollars)	0, 5	Storm Events area LARAMIE VALLEY (legacy zone code WYZ065), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
1996-08-05	Lightning		\$300,000 property; crops not reported (1996 dollars)	0, 0	WHEATLAND		B1-c most damaging: Lightning
1996-01-30	Cold/Wind Chill		damage not reported	0, 0	Storm Events area LARAMIE VALLEY (legacy zone code WYZ065), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1973-09-08	Hail	4.5 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" (1,941 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	0.0667	events per year	about 1 in 15 years	Possible	FEMA annualized frequency (modeled)	2	1994 to 2023 (30 years)	see B1-f	
Cold Wave	4.16	event-days per year	about 4.16 days per year	Likely	Storm Events event- days in 15 of 30 years, 1996 to 2025 (50%)	79.1	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	75.8	event-days per year	about 75.8 days per year		Storm Events event- days in 0 of 30 years, 1996 to 2025 (0%)	2,016	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.00132	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.132%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.03	events per year	about 2.03 per year	Highly likely	FEMA annualized frequency (modeled)	77.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0	event-days per year	none modeled		Storm Events event- days in 0 of 30 years, 1996 to 2025 (0%)	0	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Ice Storm	0.0281	event-days per year	about 0.0281 days per year		Storm Events event- days in 0 of 30 years, 1996 to 2025 (0%)	2	1946-12-31 to 2014-02-12 (67 years)	countywide	No Storm Events ice storm record, 1996 to 2025
Inland Flooding	0.643	event-days per year	about 0.643 days per year	Likely	Storm Events event- days in 8 of 30 years, 1996 to 2025 (26.7%)	18	1996 to 2023 (28 years)	see B1-f	
Landslide	1.24	events per year (modeled)	about 1.24 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	50.6	days per year with a strike	about 50.6 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.456	events per year	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	18	1986 to 2023 (38 years)	countywide	
Tornado	0.877	events per year	about 0.88 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	

Hazard	FEMA annualized frequency (modeled)	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
	<i>unit per row</i>								
Wildfire	0.00162	annual probability at a location	chance a given location in the county burns in a year: 0.162%	Likely	Storm Events records in 3 of 30 years, 1996 to 2025 (10%)	not shown	modeled	see B1-f	
Winter Weather	24.7	event-days per year	about 24.7 days per year	Likely	Storm Events event- days in 24 of 30 years, 1996 to 2025 (80%)	469	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.

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	76	30	2.53
Hail	2.00 in+	1996 to 2025	5	30	0.167
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	59	30	1.97
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	6	30	0.2
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	8	30	0.267
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	5	30	0.167

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 11	80.1	80.1	80.1	Relatively Moderate 1, Not Applicable 10
Cold Wave	11 of 11	85.9	95.5	99.4	Very High 7, Relatively High 4
Drought	0 of 11				No Rating 11
Earthquake	11 of 11	28.6	63.0	77.6	Relatively Low 10, Very Low 1
Hail	11 of 11	57.0	72.4	83.8	Relatively Moderate 6, Relatively Low 5
Heat Wave	0 of 11				No Rating 11
Ice Storm	11 of 11	44.2	62.5	84.4	Relatively Moderate 4, Relatively Low 7
Inland Flooding	11 of 11	11.2	23.5	94.6	Relatively High 1, Relatively Moderate 3, Relatively Low 4, Very Low 3
Landslide	10 of 11	9.0	21.8	99.4	Relatively High 1, Relatively Low 1, Very Low 8, No Rating 1
Lightning	11 of 11	85.9	96.8	99.7	Very High 8, Relatively High 3
Strong Wind	11 of 11	33.6	52.5	78.4	Relatively Moderate 4, Relatively Low 7

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	11 of 11	38.2	52.1	69.9	Relatively Moderate 4, Relatively Low 7
Wildfire	11 of 11	18.6	82.1	98.2	Relatively High 1, Relatively Moderate 2, Relatively Low 4, Very Low 4
Winter Weather	11 of 11	91.4	97.4	99.7	Very High 9, Relatively High 2

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, hail, 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.

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>	
Albany County	County	Approved, expires 2030-09-07	FMA RL 0, SRL 0; any 0	\$827,638.24	0 total; 0 since its plan	Includes \$23,978.36 for declarations not counted as hazard incidents (DR-4535-WY).
Laramie city	City	Approved, expires 2030-09-07	FMA RL 0, SRL 0; any 0	\$10,431.67	89 total; 3 since its plan	
Rock River town	Town	Approved, expires 2030-09-07	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	15 total; 2 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 2025-09-08 <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	\$50,377	n/a	10	under \$1	n/a	\$913,333	0.0002%				
Cold Wave	\$9,859,410,502	\$65,439,450	37,019	\$21,706	\$193,607	\$6,114,964	0.00022%				
Drought	n/a	\$0	n/a	n/a	\$0	n/a					agriculture exposure is 0 in NRI
Earthquake	\$17,446,302,648	n/a	37,066	\$466,483	n/a	\$109,468	0.00267%				
Hail	\$9,859,410,502	\$65,439,450	37,019	\$257,946	\$9,086	\$18,768	0.00262%				
Heat Wave	\$0	\$0	0	\$0	\$0	\$0					building exposure is 0 in NRI
Ice Storm	\$9,858,420,201	n/a	37,012	\$23,000	n/a	\$79,207	0.000233%				
Inland Flooding	\$9,855,231,651	\$25,673,742	471	\$6,397,372	\$41,869	\$20,181	n/a (see note)				NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$83,658,915	n/a	179	\$3,393	n/a	\$50,093	0.00406%				
Lightning	\$9,859,410,502	n/a	37,019	\$23,100	n/a	\$956,007	0.000234%				
Strong Wind	\$9,859,410,502	\$65,439,450	37,019	\$13,043	\$125	\$218,710	0.000132%	\$10,000	\$600,000		Storm Events damage since the plan includes 5 zone-level High Wind records (\$600,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$9,859,410,502	\$65,439,450	37,019	\$275,447	\$1,296	\$586,626	0.00279%				

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 2025-09-08 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Wildfire	\$1,848,017,786	\$63,676,554	8,887	\$757,019	\$283	\$24,821	0.041%				
Winter Weather	\$9,859,410,502	\$65,439,450	37,019	\$36,119	\$18	\$457,037	0.000366%				

Totals since 2025-09-08 (Storm Events through 2026-06-30): 8 county-coded records, 1 with a damage value recorded (including \$0), \$10,000; 118 zone-level records, 11 with a damage value recorded (including \$0), \$600,000 reported for the zone; Public Assistance: no counted declaration since the plan.

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	37,019
Building value (total, not at risk)	\$9,859,410,502
Agriculture value (total, not at risk)	\$65,439,450
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$8,520,911
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)	\$9,549,215
Social vulnerability rating	Relatively Low
Community resilience rating	Relatively High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	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	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>
Albany County	560001	0	0	0	0	0	0	0
Laramie city	560002	0	0	0	0	0	0	0
Rock River town	560003	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_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_scscd_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)
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What this packet is and what the plan adds

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

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

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

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Cite this: Hazard Plain (2026). Albany County, WY: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 56001). Automated baseline. <https://hazardplain.org/wy/56001/> 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