

Boulder County, CO

Risk-assessment baseline packet

County FIPS: 08013 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 2027-06-21. Plan: Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317), approved 2022-06-22. Since the plan was approved on 2022-06-22: 1 new hazard declaration (1 incident) and 191 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 (\$69,134,323 a year), Wildfire (\$15,700,843) and Tornado (\$12,394,878). 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; 08013 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 2027-06-21	Plan:	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)
Approved:	2022-06-22	Days to expiry:	264
Update underway:	none recorded in FEMA's plan tracker		

What changed since your last plan (approved 2022-06-22)

New federal declarations:	1 new hazard declaration (1 incident): FM-5525-CO (Stone Mountain Fire)	Storm Events records since approval:	191 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 18	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
Boulder County	County	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	
Boulder city	City	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	
Erie town	Town	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	Also approved under plan 107685 (Weld County, CO Hazard Mitigation Plan 2021, expires 2026-12-21). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last.
Lafayette city	City	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	
Longmont city	City	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	
Louisville city	City	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	
Lyons town	Town	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	
Nederland town	Town	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	
Superior town	Town	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	
Fourmile	Fire/EMS District	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	264	

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	Inland Flooding	Relatively Moderate	Relatively High	\$64,731,452	\$69,810	\$4,333,060	\$69,134,323	36		
2	Wildfire	Relatively High	Relatively High	\$15,019,863	\$190	\$680,790	\$15,700,843	15		
3	Tornado	Relatively High	Relatively High	\$8,616,573	\$1,525	\$3,776,779	\$12,394,878	4		
4	Hail	Relatively High	Relatively High	\$9,213,860	\$244,823	\$856,190	\$10,314,872	264		
5	Lightning	Very High	Very High	\$51,795	n/a	\$5,806,011	\$5,857,806	35		
6	Cold Wave	Relatively Moderate	Relatively Moderate	\$1,720	\$50,433	\$2,954,853	\$3,007,006	7		Includes 1 Frost/Freeze record (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
7	Earthquake	Relatively Low	Relatively Low	\$2,019,218	n/a	\$370,889	\$2,390,107			Storm Events does not record earthquakes.
8	Strong Wind	Relatively High	Relatively High	\$794,709	\$3,096	\$1,489,431	\$2,287,235	292		Includes 242 High Wind and 7 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
9	Avalanche	Relatively High	Relatively Moderate	\$149	n/a	\$1,758,451	\$1,758,600	44		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
10	Winter Weather	Relatively High	Very High	\$322,995	under \$1	\$813,292	\$1,136,288	605		
11	Heat Wave	Relatively Low	Relatively Low	\$202	\$1,279	\$813,396	\$814,876	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Ice Storm	Relatively Moderate	Relatively Moderate	\$8,492	n/a	\$345,679	\$354,171	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Drought	Relatively Low	Relatively Low	n/a	\$79,345	n/a	\$79,345	5		
14	Landslide	Relatively Moderate	Relatively Low	\$28,988	n/a	\$48,929	\$77,916	0		Declared 2 times; no Storm Events record of this type.
15	Volcanic Activity	Very Low	Very Low	under \$1	n/a	\$78	\$79	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	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-3224-CO 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 landslide and volcanic activity records (Storm Events records these hazards 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 125.05 (Relatively Moderate, 90.1); tract 137.06 (Relatively Moderate, 84.0); tract 136.02 (Relatively Moderate, 84.0)
Earthquake	tract 123 (Relatively Moderate, 82.6); tract 127.01 (Relatively Low, 72.1); tract 122.08 (Relatively Low, 68.2)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 137.06 (Relatively Moderate, 98.5); tract 136.02 (Relatively Moderate, 98.1); tract 137.04 (Relatively Moderate, 98.0)
Tornado	tract 123 (Very High, 95.9); tract 127.01 (Relatively High, 85.8); tract 132.11 (Relatively High, 83.3)
Volcanic Activity	tract 124.01 (Very Low, 74.8); tract 121.05 (Very Low, 74.7); tract 123 (Very Low, 74.4)
Wildfire	tract 137.06 (Very High, 99.7); tract 137.04 (Very High, 99.5); tract 136.02 (Very High, 99.2)

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 125.05 is Census Tract 125.05). 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)	44 records, 2005 to 2025 (44 zone-level)		No damage reported in 44 records.		Countywide (zone-level records).	
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	6 records, 2011 to 2025 (6 zone-level)	1 day to 4 days (median 3 days); 5 with a recorded value	4 consecutive days, 2024-01-13 to 2024-01-16, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2014 (1 zone-level)		No crop damage reported in 1 record.		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)	5 records, 2002 to 2021 (5 zone-level)	30 days to 61 days (median 43 days); 3 with a recorded value	61 days (2 months), 2021-11-01 to 2021-12-31, a run of 2 consecutive Storm Events drought records, 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)	356 records, 1962 to 2025	0.75 in to 3 in (median 1 in); 355 with a recorded value	3 in hail, 2018-06-18	Hail, 1996-07-12, \$1,000,000 property; crops not reported (1996 dollars)	Event records naming jurisdictions in the plan: Boulder city (65 records), Longmont city (61 records), Lafayette city (37 records), Louisville city (33 records), Lyons town (10 records), Nederland town (3 records), Superior town (2 records), Erie town (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	0					
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)	0					
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	36 records, 1997 to 2021		Flood, 2013-09-12, \$297,000,000 property; \$250,000 crops (2013 dollars), 3 direct injuries		Event records naming jurisdictions in the plan: Boulder city (6 records), Lyons town (6 records), Nederland town (3 records), Superior town (3 records), Lafayette city (1 record), Longmont city (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)	35 records, 1996 to 2019		Lightning, 2019-07-14, \$0 property; \$0 crops (2019 dollars), 1 direct death, 1 direct injury	Lightning, 2009-06-10, \$25,000 property; \$0 crops (2009 dollars)	Event records naming jurisdictions in the plan: Boulder city (13 records), Longmont city (4 records), Lafayette city (3 records), Nederland town (3 records), Louisville city (2 records), Superior town (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)	249 records, 1996 to 2026 (249 zone-level)	43 kt (49 mph) to 116 kt (133 mph) (median 75 kt (86 mph)); 247 with a recorded value	116 kt (133 mph) measured gust, High Wind, 2005-11-12; NWS zone COZ034	High Wind, 2008-12-29, \$7,000,000 property; crops not reported (zone total, 2008 dollars)	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
Thunderstorm Wind	wind speed (kt and mph)	72 records, 1957 to 2024	50 kt (58 mph) to 87 kt (100 mph) (median 55 kt (63 mph)); 61 with a recorded value	87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1981-09-19	Thunderstorm Wind, 2009-06-15, \$20,000 property; \$0 crops (2009 dollars)	Event records naming jurisdictions in the plan: Boulder city (15 records), Longmont city (11 records), Louisville city (4 records), Superior town (2 records), Lafayette city (1 record).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	11 records, 1953 to 2015	F/EF0 to F/EF3 (median F/EF1); 11 with a recorded value	EF3 tornado, 2015-06-04, 5.84 mi within this county, 440 yd wide, damage not reported	Tornado, 1988-06-05, \$250,000 property; crops not recorded (1988 dollars)	Event records naming jurisdictions in the plan: Boulder city (1 record), Lyons 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).
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					
Wildfire	acres burned (local data)	15 records, 2010 to 2024 (15 zone-level)		Wildfire, 2021-12-30, \$2,000,000,000 property; crops not reported (2021 dollars), 2 direct deaths, 6 direct injuries (reported for the zone); NWS zone COZ039		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	605 records, 1996 to 2026 (605 zone-level)		Blizzard, 2003-03-17, \$15,500,000 property; crops not reported (2003 dollars); NWS zone COZ039		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: 19 declarations covering 14 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
2024-07-31	2024-07-30	FM-5525-CO	Fire management	Stone Mountain Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2021-12-31	2021-12-30	DR-4634-CO	Major disaster	Wildfires and Straight-Line Winds	Wildfire	\$33,959,445.70	in the 12 months before plan approval; within last 5 years	
2021-12-30	2021-12-30	FM-5423-CO	Fire management	Marshall Fire	Wildfire	no Public Assistance recorded	in the 12 months before plan approval; within last 5 years	same incident as DR-4634
2020-10-17	2020-10-17	FM-5379-CO	Fire management	Calwood Fire	Wildfire	no Public Assistance recorded		
2020-03-28	2020-01-20	DR-4498-CO	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$2,692,759.08		
2020-03-13	2020-01-20	EM-3436-CO	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4498
2015-07-16	2015-05-04	DR-4229-CO	Major disaster	Severe Storms, Tornadoes, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Tornado	\$2,004,076.07		
2013-09-14	2013-09-11	DR-4145-CO	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide	\$204,038,746.92		
2013-09-12	2013-09-11	EM-3365-CO	Emergency	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded		same incident as DR-4145
2010-09-06	2010-09-06	FM-2855-CO	Fire management	Four Mile Canyon Fire	Wildfire	no Public Assistance recorded		
2009-01-07	2009-01-07	FM-2793-CO	Fire management	Olde Stage Fire	Wildfire	no Public Assistance recorded		
2007-01-07	2006-12-18	EM-3270-CO	Emergency	Snow	Winter Weather	\$299,079.96		
2005-09-05	2005-08-29	EM-3224-CO	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2003-10-29	2003-10-29	FM-2509-CO	Fire management	Co - Overland Wildfire - 10/29/2003	Wildfire	no Public Assistance recorded		
2003-04-09	2003-03-17	EM-3185-CO	Emergency	Snow	Winter Weather	\$206,527.21		
2002-06-19	2002-04-23	DR-1421-CO	Major disaster	Wildfires	Wildfire	PA not declared for this county		
2000-09-16	2000-09-16	FM-2338-CO	Fire management	Co - Eldorado Fire	Wildfire	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>		
1973-05-23	1973-05-23	DR-385-CO	Major disaster	Heavy Rains, Snowmelt and Flooding	Inland Flooding	no Public Assistance recorded		
1969-05-19	1969-05-19	DR-261-CO	Major disaster	Severe Storms & 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
1956-06-12	1956-06-12	DR-59-CO	Major disaster	Flood	Inland Flooding
1955-05-25	1955-05-25	DR-33-CO	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.

10 Fire Management declarations (1978-09-12 to 2016-07-10) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

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	44	7	2	9	0	0	1996 to 2026-06-30	
Cold Wave	7	5	0	5	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	5	0	2	2	0	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	356	36	2	37	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
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	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	36	0	3	0	4	0	1996 to 2026-06-30	
Landslide	0	0	0	0	2	0	1996 to 2026-06-30	No Storm Events records of this type; 2 federal declared incidents (see declarations table)

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
Lightning	35	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	321	41	9	50	0	0	1955 to 2026-06-30	Includes 242 High Wind and 7 Strong Wind records.
Tornado	11	0	0	0	1	0	1950 to 2026-06-30	
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	15	6	2	8	8	1	1996 to 2026-06-30	
Winter Weather	605	96	29	125	2	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
2024-01-13	Extreme Cold/ Wind Chill		damage not reported	0, 0	NWS zone COZ039 (BOULDER & JEFFERSON COUNTIES BELOW 6000 FEET / W BROOMFIELD COUNTY), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2021-12-30	Wildfire		\$2,000,000,000 property; crops not reported (zone total, 2021 dollars)	2, 6	NWS zone COZ039 (BOULDER & JEFFERSON COUNTIES BELOW 6000 FEET / W BROOMFIELD COUNTY), zone-level	in the 12 months before plan approval; within last 5 years	deaths or injuries recorded
2021-11-01	Drought		damage not reported	0, 0	NWS zone COZ035 (LARIMER & BOULDER COUNTIES BETWEEN 6000 & 9000 FEET), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Drought
2019-07-14	Lightning		\$0 property; \$0 crops (2019 dollars)	1, 1	ELDORADO CANYON STATE PARK		B1-c worst recorded: Lightning
2018-06-18	Hail	3 in	damage not reported	0, 0	SUPERIOR		B1-c worst recorded: Hail
2015-06-04	Tornado	EF3, 5.84 mi within this county, 440 yd wide	damage not reported	0, 0	HIGHLAND to LYONS		B1-c worst recorded: Tornado
2013-09-12	Flood		\$297,000,000 property; \$250,000 crops (2013 dollars)	0, 3	SUPERIOR to HIGHLAND		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2013-09-11	Flash Flood		\$0 property; \$0 crops (2013 dollars)	3, 2	RIVERSIDE to RAYMOND		deaths or injuries recorded
2013-04-20	Avalanche		\$0 property; \$0 crops (zone total, 2013 dollars)	5, 0	NWS zone COZ034 (S & SE GRAND / W CENTRAL & SW BOULDER / GILPIN / CLEAR CREEK / SUMMIT / N & W PARK COUNTIES ABOVE 9000 FEET), zone-level		deaths or injuries recorded
2005-11-12	High Wind	116 kt (133 mph) measured gust	damage not reported	0, 0	NWS zone COZ034 (S & SE GRAND / W CENTRAL & SW BOULDER / GILPIN / CLEAR CREEK / SUMMIT / N & W PARK COUNTIES ABOVE 9000 FEET), zone-level		B1-c worst recorded: High Wind and Strong Wind
2003-03-17	Blizzard		\$15,500,000 property; crops not reported (zone total, 2003 dollars)	0, 0	NWS zone COZ039 (BOULDER & JEFFERSON COUNTIES BELOW 6000 FEET / W BROOMFIELD COUNTY), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
1981-09-19	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,435 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	0.633	events per year	about 0.63 per year	Likely	FEMA annualized frequency (modeled)	19	1994 to 2023 (30 years)	see B1-f	
Cold Wave	0.592	event-days per year	about 0.592 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	11.4	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	11.2	event-days per year	about 11.2 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	441	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000804	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0804%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	5.48	events per year	about 5.48 per year	Highly likely	FEMA annualized frequency (modeled)	208.5 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.305	event-days per year	about 0.305 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	3.93	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane		events per year					1851 to 2024 (Atlantic)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	0.0149	event-days per year	about 0.0149 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	0	1946-12-31 to 2014-02-12 (67 years)	countywide	No Storm Events ice storm record, 1996 to 2025
Inland Flooding	0.75	event-days per year	about 0.75 days per year	Likely	Storm Events event-days in 12 of 30 years, 1996 to 2025 (40%)	21	1996 to 2023 (28 years)	see B1-f	
Landslide	0.267	events per year (modeled)	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	54.1	days per year with a strike	about 54.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.997	events per year	about 1 per year	Likely	FEMA annualized frequency (modeled)	38	1986 to 2023 (38 years)	countywide	
Tornado	0.524	events per year	about 0.52 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) <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	0.0001	annual probability	about 1 in 10,000 years	Unlikely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.0057	annual probability at a location	chance a given location in the county burns in a year: 0.57%	Likely	Storm Events records in 5 of 30 years, 1996 to 2025 (16.7%)	not shown	modeled	see B1-f	
Winter Weather	21.4	event-days per year	about 21.4 days per year	Highly likely	Storm Events event-days in 30 of 30 years, 1996 to 2025 (100%)	406	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	163	30	5.43
Hail	2.00 in+	1996 to 2025	16	30	0.533
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	37	30	1.23
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	3	30	0.1
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	3	30	0.1
Tornado	EF0-1	1996 to 2025	3	30	0.1
Tornado	EF2-3	1996 to 2025	1	30	0.0333
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	9 of 78	80.3	82.9	90.1	Relatively Moderate 9, Not Applicable 69
Cold Wave	78 of 78	17.2	37.5	59.7	Relatively Moderate 14, Relatively Low 61, Very Low 3
Drought	37 of 78	67.5	76.2	91.6	Relatively Low 12, Very Low 25, No Rating 41
Earthquake	78 of 78	6.2	37.2	82.6	Relatively Moderate 1, Relatively Low 29, Very Low 48
Hail	78 of 78	57.2	89.9	99.1	Very High 1, Relatively High 46, Relatively Moderate 30, Relatively Low 1
Heat Wave	76 of 78	1.6	10.3	29.6	Relatively Low 17, Very Low 59, No Rating 2
Hurricane	0 of 78				Not Applicable 78
Ice Storm	78 of 78	11.3	40.9	65.6	Relatively Low 57, Very Low 21
Inland Flooding	78 of 78	2.2	47.6	97.4	Very High 1, Relatively High 14, Relatively Moderate 23, Relatively Low 30, Very Low 10
Landslide	78 of 78	9.4	23.4	98.5	Relatively Moderate 5, Relatively Low 3, Very Low 70
Lightning	78 of 78	58.1	93.7	99.2	Very High 27, Relatively High 42, Relatively Moderate 9

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Strong Wind	78 of 78	21.8	57.0	87.0	Relatively High 1, Relatively Moderate 47, Relatively Low 30
Tornado	78 of 78	30.0	62.0	95.9	Very High 1, Relatively High 7, Relatively Moderate 58, Relatively Low 12
Volcanic Activity	78 of 78	41.9	53.9	74.8	Very Low 78
Wildfire	75 of 78	20.2	82.2	99.7	Very High 3, Relatively High 12, Relatively Moderate 13, Relatively Low 16, Very Low 31, No Rating 3
Winter Weather	78 of 78	48.1	83.4	96.9	Very High 1, Relatively High 57, Relatively Moderate 19, 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 <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Boulder County	County	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 2	\$112,736,965.19	0 total; 0 since its plan	
Boulder city	City	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 15	\$15,595,812.32	100 total; 3 since its plan	Includes \$373,194.15 for declarations not counted as hazard incidents (DR-4498-CO).
Erie town	Town	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	1 total; 0 since its plan	Also approved under plan 107685 (Weld County, CO Hazard Mitigation Plan 2021, expires 2026-12-21). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last.
Lafayette city	City	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$1,078,445.41	42 total; 11 since its plan	
Longmont city	City	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$43,816,224.78	77 total; 5 since its plan	Includes \$639,532.03 for declarations not counted as hazard incidents (DR-4498-CO).
Louisville city	City	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$7,193,444.98	39 total; 3 since its plan	
Lyons town	Town	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$27,284,007.06	17 total; 0 since its plan	
Nederland town	Town	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$475,735.32	9 total; 0 since its plan	
Superior town	Town	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$6,485,385.65	8 total; 1 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 2022-06-22 <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	\$7,849,514	n/a	10	\$149	n/a	\$1,758,451	0.0019%		\$0		
Cold Wave	\$69,860,315,788	\$56,520,585	330,652	\$1,720	\$50,433	\$2,954,853	under 0.0001%		\$0		
Drought	n/a	\$43,296,187	n/a	n/a	\$79,345	n/a	0.183% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$120,297,634,359	n/a	330,758	\$2,019,218	n/a	\$370,889	0.00168%				
Hail	\$69,860,315,788	\$56,520,585	330,652	\$9,213,860	\$244,823	\$856,190	0.0132%	\$0			
Heat Wave	\$67,122,520,753	\$56,478,901	320,658	\$202	\$1,279	\$813,396	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$69,860,315,788	n/a	330,652	\$8,492	n/a	\$345,679	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 2022-06-22 <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	\$69,837,578,749	\$3,845,637	15,010	\$64,731,452	\$69,810	\$4,333,060	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	\$1,934,288,266	n/a	7,391	\$28,988	n/a	\$48,929	0.0015%				
Lightning	\$69,860,315,788	n/a	330,652	\$51,795	n/a	\$5,806,011	under 0.0001%				
Strong Wind	\$69,860,315,788	\$56,520,585	330,652	\$794,709	\$3,096	\$1,489,431	0.00114%	\$0	\$300,000		Storm Events damage since the plan includes 1 zone-level High Wind record (\$300,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$69,860,315,788	\$56,520,585	330,652	\$8,616,573	\$1,525	\$3,776,779	0.0123%				
Volcanic Activity	\$69,860,315,788	n/a	330,652	under \$1	n/a	\$78	under 0.0001%				
Wildfire	\$9,353,761,910	\$21,508,196	51,991	\$15,019,863	\$190	\$680,790	0.161%			no Public Assistance recorded (1 declaration)	
Winter Weather	\$69,860,315,788	\$56,520,585	330,652	\$322,995	under \$1	\$813,292	0.000462%		\$0		

Totals since 2022-06-22 (Storm Events through 2026-06-30): 38 county-coded records, 7 with a damage value recorded (including \$0), \$0; 153 zone-level records, 66 with a damage value recorded (including \$0), \$300,000 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	330,652
Building value (total, not at risk)	\$69,860,315,788
Agriculture value (total, not at risk)	\$56,520,585
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$101,260,516
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)	\$24,047,827
Social vulnerability rating	Very Low
Community resilience rating	Very 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	18	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	18	0	18	0	10
of which: Boulder County (unincorporated area)	0	0	2	0	2	0	1
of which: Boulder city	0	0	15	0	15	0	9
of which: Erie town	0	0	1	0	1	0	0
Statewide, no county in FEMA's file	0	0	8	0	8	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>
Boulder County	080023	0	0	2	0	2	0	1
Boulder city	080024	0	0	15	0	15	0	9
Erie town	080181	0	0	1	0	1	0	0
Lafayette city	080026	0	0	0	0	0	0	0
Longmont city	080027	0	0	0	0	0	0	0
Louisville city	085076	0	0	0	0	0	0	0
Lyons town	080029	0	0	0	0	0	0	0
Nederland town	080255	0	0	0	0	0	0	0
Superior town	080203	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	7	0	7	0	5
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	8	0	8	0	5
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 18 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):

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3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
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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.

OpenFEMA disclaimer

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

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