

Boulder County, CO

Risk-assessment baseline packet

Unit **County area 08013** Release **2026-10** As of **2026-09-28** 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.

A starting point for the plan's risk assessment (FEMA Local Mitigation Plan Review Tool, Element B). It does not replace local data or FEMA review. Section headings say which FEMA review item each table supports; whether an item is satisfied is decided by the plan and its reviewers.

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).

Plan clock

Status	Approved, expires 2027-06-21	Plan	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)
Approved	2022-06-22	Expires	2027-06-21
As of	2026-09-28	Days	266 days to expiry
Update underway	none in FEMA's plan tracker		

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

New federal declarations	FM-5525-CO (1 declaration row; 1 counted incident)	Storm Events records since approval	191 (data through 2026-06-30)
Repetitive loss now	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 18	Repeat-flood change	First release: no prior release to compare.

SOURCES: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API); FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API); NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>; FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	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	266		
Boulder city	City	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	266		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Erie town	Town	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	266		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	266		
Longmont city	City	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	266		
Louisville city	City	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	266		
Lyons town	Town	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	266		
Nederland town	Town	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	266		
Superior town	Town	Approved, expires 2027-06-21	Boulder County, CO Hazard Mitigation Plan 2022 (FEMA plan 108317)	2022-06-22	2027-06-21	266		
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	266		

SOURCE: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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

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Supports B1-a: hazards

Hazards NRI does not cover: check locally

- 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)

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	EAL population equivalence statistical value of life and injury, \$13.7M per life, not property damage	EAL total (see note) modeled dollars per year	Storm Events records since 1996 count	Evidence for an omission 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		\$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, event types the NRI definition of this hazard leaves out.
7	Earthquake	Relatively Low	Relatively Low	\$2,019,218		\$370,889	\$2,390,107			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
8	Strong Wind	Relatively High	Relatively High	\$794,709	\$3,096	\$1,489,431	\$2,287,235	292		Includes 242 High Wind records and 7 Strong Wind records, event types the NRI definition of this hazard leaves out.
9	Avalanche	Relatively High	Relatively Moderate	\$149		\$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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <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		\$345,679	\$354,171	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Drought	Relatively Low	Relatively Low		\$79,345		\$79,345	5		
14	Landslide	Relatively Moderate	Relatively Low	\$28,988		\$48,929	\$77,916	0		Declared 2 times; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
15	Volcanic Activity	Very Low	Very Low	under \$1		\$78	\$79	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Coastal Flooding	Not Applicable	Not Applicable					0	NRI rates coastal flooding Not Applicable for this county, and no federal declaration for this county names it.	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).
	Tsunami	Not Applicable	Not Applicable					0	NRI rates tsunami Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
 NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Check your state hazard mitigation plan's hazard list for this county; explain any hazard you drop.

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	9 of 78
Coastal Flooding	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 78
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	78 of 78
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	37 of 78
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	78 of 78
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	78 of 78
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	76 of 78
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 78
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	78 of 78
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.	78 of 78
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	78 of 78
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	78 of 78
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	78 of 78
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	78 of 78
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 78
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	78 of 78
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	75 of 78
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	78 of 78

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	44, 2005 to 2025 (44 zone-level)		No damage reported in 44 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	0					Flood depth: see the FEMA Flood Insurance Rate Map.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	6, 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		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	1, 2014 to 2014 (1 zone-level)		No crop damage reported in 1 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	5, 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		Zone-level records: applies countywide; national data do not locate these events within the county.	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					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	356, 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 member places: 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 (narratives)	0					Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	0					Ice thickness: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	36, 1997 to 2021		Flood, 2013-09-12, \$297,000,000 property; \$250,000 crops (2013 dollars), 3 direct injuries		Event records naming member places: 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 can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	35, 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 member places: 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; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	249, 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 (S & SE GRAND / W CENTRAL & SW BOULDER / GILPIN / CLEAR CREEK / SUMMIT / N & W PARK COUNTIES ABOVE 9000 FEET), zone-level: may include parts of neighboring counties	High Wind, 2008-12-29, \$7,000,000 property; crops not reported, reported for the zone (2008 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	72, 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 member places: Boulder city (15 records), Longmont city (11 records), Louisville city (4 records), Superior town (2 records), Lafayette city (1 record).	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	11, 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 member places: Boulder city (1 record), Lyons town (1 record).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	15, 2010 to 2024 (15 zone-level)		Wildfire, 2021-12-30, \$2,000,000,000 property; crops not reported, reported for the zone (2021 dollars), 2 direct deaths, 6 direct injuries (reported for the zone); NWS zone COZ039 (BOULDER & JEFFERSON COUNTIES BELOW 6000 FEET / W BROOMFIELD COUNTY), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Acres burned: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	605, 1996 to 2026 (605 zone-level)		Blizzard, 2003-03-17, \$15,500,000 property; crops not reported, reported for the zone (2003 dollars); NWS zone COZ039 (BOULDER & JEFFERSON COUNTIES BELOW 6000 FEET / W BROOMFIELD COUNTY), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Supports B1-d: previous occurrences

Declaration rows 19 Counted incidents 14

Federal disaster declarations for this county

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	none found	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	during plan review, check whether your last plan included it; within last 5 years	
2021-12-30	2021-12-30	FM-5423-CO	Fire management	MARSHALL FIRE	Wildfire	none found	during plan review, check whether your last plan included it; within last 5 years	same incident as DR-4634
2020-10-17	2020-10-17	FM-5379-CO	Fire management	CALWOOD FIRE	Wildfire	none found		
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	none found		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		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
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	none found		same incident as DR-4145
2010-09-06	2010-09-06	FM-2855-CO	Fire management	FOUR MILE CANYON FIRE	Wildfire	none found		
2009-01-07	2009-01-07	FM-2793-CO	Fire management	OLDE STAGE FIRE	Wildfire	none found		
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	none found		
2003-10-29	2003-10-29	FM-2509-CO	Fire management	CO - OVERLAND WILDFIRE - 10/29/2003	Wildfire	none found		
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	none found		
1973-05-23	1973-05-23	DR-385-CO	Major disaster	HEAVY RAINS, SNOWMELT AND FLOODING	Inland Flooding	none found		
1969-05-19	1969-05-19	DR-261-CO	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		

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.

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

SOURCES

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
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. Listed on every county page in the state; not counted with county rows.

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.

SOURCE

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval records	During plan review records	Last 5 years records	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	44	7	2	9	0	0	1996 to 2026-06-30	
Coastal Flooding	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	7	5	0	5	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
Drought	5	0	2	2	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
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)
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 records and 7 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	11	0	0	0	1	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
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	

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</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: may include parts of neighboring counties	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, reported for the zone (2021 dollars)	2, 6	NWS zone COZ039 (BOULDER & JEFFERSON COUNTIES BELOW 6000 FEET / W BROOMFIELD COUNTY), zone-level: may include parts of neighboring counties	during plan review, check whether your last plan included it; 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: may include parts of neighboring counties	during plan review, check whether your last plan included it; 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, reported for the zone (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: may include parts of neighboring counties		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: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2003-03-17	Blizzard		\$15,500,000 property; crops not reported, reported for the zone (2003 dollars)	0, 0	NWS zone COZ039 (BOULDER & JEFFERSON COUNTIES BELOW 6000 FEET / W BROOMFIELD COUNTY), zone-level: may include parts of neighboring counties		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 XLSX file, sheet "B1-d Storm Events history" (1,435 rows).

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

SOURCES
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

State-declared emergencies are not in federal data. Add them from your state emergency management agency.

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

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	
Coastal Flooding		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Cold Wave	0.592	event-days per year	about 0.592 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	11.4	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	11.2	event-days per year	about 11.2 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	441	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 11.2 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 3 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
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	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and 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	

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
Heat Wave	0.305	event-days per year	about 0.305 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	3.93	2005-11-12 to 2024-11-12 (19 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
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		event-days in 0 of 30 years, 1996 to 2025 (0%)	0	1946-12-31 to 2014-02-12 (67 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Inland Flooding	0.75	event-days per year	about 0.75 days per year	Likely	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	
Tsunami		annual probability at the most exposed location (used in place of a county value)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
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	Descriptor from Storm Events, not NRI: the NRI value is the chance at a location in the county, not how often the hazard affects the county.

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
Winter Weather	21.4	event-days per year	about 21.4 days per year	Highly likely	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) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado, hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county, which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Descriptor scale used in this packet (defined per unit)

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

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
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	37	30	1.23
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	3	30	0.1
Strong Wind (Thunderstorm Wind records)	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

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.

SOURCE
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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.

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	9 of 78	80.3	82.9	90.1	Relatively Moderate 9, Not Applicable 69	
Coastal Flooding	0 of 78				Not Applicable 78	
Cold Wave	78 of 78	17.2	37.5	59.7	Relatively Moderate 14, Relatively Low 61, Very Low 3	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	37 of 78	67.5	76.2	91.6	Relatively Low 12, Very Low 25, No Rating 41	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
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	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Heat Wave	76 of 78	1.6	10.3	29.6	Relatively Low 17, Very Low 59, No Rating 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	0 of 78				Not Applicable 78	
Ice Storm	78 of 78	11.3	40.9	65.6	Relatively Low 57, Very Low 21	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
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	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	78 of 78	21.8	57.0	87.0	Relatively High 1, Relatively Moderate 47, Relatively Low 30	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	78 of 78	30.0	62.0	95.9	Very High 1, Relatively High 7, Relatively Moderate 58, Relatively Low 12	
Tsunami	0 of 78				Not Applicable 78	
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	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Boulder County	County	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 2	\$112,736,965.19	0; 0	

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Boulder city	City	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 15	\$15,595,812.32	100; 3	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	none found	1; 0	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; 11	
Longmont city	City	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$43,816,224.78	77; 5	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; 3	
Lyons town	Town	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$27,284,007.06	17; 0	
Nederland town	Town	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$475,735.32	9; 0	
Superior town	Town	Approved, expires 2027-06-21	FMA RL 0, SRL 0; any 0	\$6,485,385.65	8; 1	

Member 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 member row, while the county table counts only its part in this county.

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

SOURCES

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Supports B2-a and B2-b: assets and impacts

Local data required

County-level starter. The plan must describe impacts for each participant and its own assets.

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

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, 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		10	\$149		\$1,758,451	0.0019%		\$0		
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$69,860,315,788	\$56,520,585	330,652	\$1,720	\$50,433	\$2,954,853	under 0.0001%		\$0		
Drought		\$43,296,187			\$79,345		0.183% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$120,297,634,359		330,758	\$2,019,218		\$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		330,652	\$8,492		\$345,679	under 0.0001%				
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. EAL as % of exposure: n/a.
Landslide	\$1,934,288,266		7,391	\$28,988		\$48,929	0.0015%				
Lightning	\$69,860,315,788		330,652	\$51,795		\$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), an event type the NRI definition of this hazard leaves out.
Tornado	\$69,860,315,788	\$56,520,585	330,652	\$8,616,573	\$1,525	\$3,776,779	0.0123%				
Tsunami											Not Applicable in NRI for this county

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, 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
Volcanic Activity	\$69,860,315,788		330,652	under \$1		\$78	under 0.0001%				
Wildfire	\$9,353,761,910	\$21,508,196	51,991	\$15,019,863	\$190	\$680,790	0.161%			none found (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 on counted declarations none found (1 declaration, 0 with PA).

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

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 must not be added up; the unit total counts each declaration once.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

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 total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

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

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties: county and state-level rows

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
BOULDER COUNTY *	0	0	2	0	2	0	1
BOULDER, CITY OF	0	0	15	0	15	0	9
ERIE, TOWN OF	0	0	1	0	1	0	0
State level, not in this county: county not reported	0	0	8	0	8	0	0

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties by plan member (NFIP community)

Member	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>	Note
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	

Per-member types: XLSX sheet 'B2-c Members'.

Member 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 member row, while the county table counts only its part in this county.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

County repeat-flood properties by occupancy group

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

Institutional properties cannot be separated in this data: FEMA's occupancy groups have no institutional class, so they fall in non-residential or other residential in the table by occupancy group.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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; OpenFEMA's fmaRI field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRI) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

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

Counts may differ from your state NFIP coordinator's list, which is the source the Handbook names.

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

Every table above lists its own sources. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <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 2026-09-28, 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 2026-09-28, <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 2026-09-28, <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 2026-09-28, 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_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_Gazetteer/2024_Gaz_elsd_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

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Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_CO_08013. Preview: automated baseline.