

Arapahoe County, CO

Risk-assessment baseline packet

Unit **County area 08005** 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	Expired on 2026-01-12	Plan	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)
Approved	2021-01-13	Expires	2026-01-12
As of	2026-09-28	Days	259 days since expiry
Update underway	FEMA tracker shows a plan in review		

Generally not eligible for FEMA mitigation project grants (HMGP, FMA) until a new plan is approved, barring a 44 CFR 201.6(a)(3) exception. Planning grants are not affected.

What changed since your last plan (approved 2021-01-13)

New federal declarations	DR-4731-CO (1 declaration row; 1 counted incident)	Storm Events records since approval	238 (data through 2026-06-30)
Repetitive loss now	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 6	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: 14 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock

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
Arapahoe County	County	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
Aurora city	City	Approved, expires 2027-02-10	City of Aurora Hazard Mitigation Plan 2021 (FEMA plan 107830)	2022-02-11	2027-02-10	135		
Bennett town	Town	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Bow Mar town	Town	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259		
Centennial city	City	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
Cherry Hills Village city	Town	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
Englewood city	City	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
Foxfield town	Town	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
Glendale city	City	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259		
Greenwood Village city	City	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
Littleton city	City	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
Sheridan city	City	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
Denver Water	Water/Sewer Authority	Expired on 2026-01-12	Arapahoe County, CO Hazard Mitigation Plan 2021 (FEMA plan 107012)	2021-01-13	2026-01-12	-259	FEMA tracker shows a plan in review	
South Metro Fire Rescue	Fire/EMS District	No approved plan on record	none	none	none		FEMA tracker shows a plan in review	

SOURCE

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

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	Hail	Very High	Very High	\$61,945,315	\$120,989	\$1,915,262	\$63,981,567	460		
2	Inland Flooding	Relatively Moderate	Relatively High	\$61,429,254	\$6,208	\$594,744	\$62,030,206	45		
3	Tornado	Relatively High	Relatively High	\$17,250,067	\$2,103	\$5,106,741	\$22,358,910	49		
4	Cold Wave	Relatively High	Relatively High	\$71,652	\$35,363	\$9,290,285	\$9,397,299	11		Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
5	Lightning	Very High	Very High	\$67,770		\$3,959,032	\$4,026,802	30		
6	Strong Wind	Relatively High	Relatively High	\$1,067,733	\$2,777	\$2,647,187	\$3,717,697	221		Includes 110 High Wind records and 7 Strong Wind records, event types the NRI definition of this hazard leaves out.
7	Earthquake	Relatively Low	Relatively Moderate	\$2,669,023		\$852,384	\$3,521,407			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
8	Heat Wave	Relatively Low	Relatively Low	\$216	\$667	\$1,024,274	\$1,025,157	5		
9	Wildfire	Relatively Low	Relatively Low	\$740,201	\$94	\$61,826	\$802,120	2		
10	Winter Weather	Relatively High	Relatively High	\$133,277	\$5	\$385,504	\$518,786	283		
11	Drought	Relatively Low	Relatively Low		\$117,648		\$117,648	5		
12	Ice Storm	Very Low	Very Low	\$5,423		\$1,882	\$7,305	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	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
13	Landslide	Very Low	Very Low	\$1,638		\$15	\$1,652	0		Declared 1 time; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
14	Volcanic Activity	Very Low	Very Low	under \$1		\$155	\$155	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.
	Avalanche	Not Applicable	Not Applicable					1	NRI rates this Not Applicable, but 1 Storm Events record of this type exists since 1996; review before omitting.	
	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.	0 of 161
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 161

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	161 of 161
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	22 of 161
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.	161 of 161
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	161 of 161
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	161 of 161
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 161
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	161 of 161
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.	161 of 161
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.	157 of 161
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	161 of 161
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	161 of 161
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.	161 of 161
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 161
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.	161 of 161
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.	145 of 161
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	161 of 161

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)	1, 2015 to 2015 (1 zone-level)		No damage reported in 1 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.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	10, 1996 to 2025 (10 zone-level)	1 day to 7 days (median 3 days); 8 with a recorded value	7 consecutive days, 1998-12-18 to 1998-12-24, 3 direct deaths, 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	1, 2014 to 2014 (1 zone- level)		Frost/Freeze, 2014-11-10, \$10,000,000 crop damage, reported for the zone (2014 dollars); NWS zone COZ040 (N DOUGLAS COUNTY BELOW 6000 FEET / DENVER / W ADAMS & ARAPAHOE COUNTIES / E 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.	Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D- scale	5, 2002 to 2021 (5 zone- level)	22 days to 61 days (median 30.5 days); 4 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)	601, 1962 to 2026	0.75 in to 4.25 in (median 1 in); 599 with a recorded value	4.25 in hail, 2010-06-10	Hail, 2018-06-19, \$276,400,000 property; crops not reported (2018 dollars)	Event records naming member places: Littleton city (23 records), Englewood city (11 records), Aurora city (6 records), Bow Mar town (6 records), Sheridan city (6 records), Bennett town (3 records).	
Excessive Heat, Heat	heat index (narratives)	5, 2000 to 2012 (5 zone- level)	2 days to 30 days (median 17 days); 3 with a recorded value	30 days, 2012-06-01 to 2012-06-30, from 1 monthly summary record (a monthly summary record covers most or all of a month; it does not count days at wave conditions), zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Ice Storm	Sperry-Piltz (local data)	0					Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	45, 1997 to 2025 (1 zone-level)		Flood, 2013-09-12, \$3,300,000 property; \$0 crops (2013 dollars)		Event records naming member places: Littleton city (2 records), Englewood city (1 record). Zone-level records (1) apply countywide.	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)	30, 1996 to 2019		Lightning, 2000-08-16, \$250,000 property; crops not reported (2000 dollars)		Event records naming member places: Littleton city (5 records), Englewood city (2 records).	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)	117, 1996 to 2026 (117 zone-level)	30 kt (35 mph) to 89 kt (102 mph) (median 55 kt (63 mph)); 115 with a recorded value	89 kt (102 mph), measurement type not recorded, High Wind, 1999-02-02; NWS zone COZ040 (DENVER METROPOLITAN AREA), zone-level: may include parts of neighboring counties	High Wind, 1997-12-28, \$120,000 property; \$0 crops, reported for the zone (1997 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	150, 1964 to 2026	50 kt (58 mph) to 80 kt (92 mph) (median 54 kt (62 mph)); 137 with a recorded value	80 kt (92 mph), measurement type not recorded, Thunderstorm Wind, 1999-08-28	Thunderstorm Wind, 1993-09-18, \$500,000 property; crops not recorded (1993 dollars)	Event records naming member places: Englewood city (5 records), Aurora city (2 records), Littleton city (2 records), Sheridan 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)	98, 1964 to 2025	F/EF0 to F/EF2 (median F/EF0); 95 with a recorded value	F2 tornado, 1986-06-08, 0.1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 50 yd wide, \$2,500,000 property; crops not recorded (1986 dollars)	Tornado, 2002-08-29, \$6,000,000 property; crops not reported (2002 dollars)	Event records naming member places: Bennett town (1 record), Englewood city (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)	2, 2024 to 2026 (2 zone-level)		Wildfire, 2024-07-13, \$750,000 property; crops not reported, reported for the zone (2024 dollars); NWS zone COZ045 (C & E ADAMS & ARAPAHOE COUNTIES), 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.
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	283, 1996 to 2026 (283 zone-level)		Blizzard, 2003-03-17, \$15,500,000 property; crops not reported, reported for the zone (2003 dollars), 2 direct injuries (reported for the zone); NWS zone COZ040 (N DOUGLAS COUNTY BELOW 6000 FEET / DENVER / W ADAMS & ARAPAHOE COUNTIES / E 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 12 Counted incidents 8

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
2023-08-25	2023-06-08	DR-4731-CO	Major disaster	SEVERE STORMS, FLOODING, AND TORNADOES	Inland Flooding (primary); also designated: Tornado	\$4,058,465.65	new since last plan; within last 5 years	
2020-03-28	2020-01-20	DR-4498-CO	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$4,731,308.71	during plan review, check whether your last plan included it	
2020-03-13	2020-01-20	EM-3436-CO	Emergency	COVID-19	Non-natural, not counted	none found	during plan review, check whether your last plan included it	same incident as DR-4498
2013-09-14	2013-09-11	DR-4145-CO	Major disaster	SEVERE STORMS, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding (primary); also designated: Landslide	\$2,724,330.80		
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
2007-01-07	2006-12-18	EM-3270-CO	Emergency	SNOW	Winter Weather	\$895,301.08		
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		
2003-04-09	2003-03-17	EM-3185-CO	Emergency	SNOW	Winter Weather	\$615,595.44		
2002-06-19	2002-04-23	DR-1421-CO	Major disaster	WILDFIRES	Wildfire	PA not declared for this county		
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		
1965-06-19	1965-06-19	DR-200-CO	Major disaster	TORNADOES, SEVERE STORMS & FLOODING	Tornado (primary); also designated: 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)

Public Assistance filed under this county for declarations that do not list it: 2 rows, \$581,850.76

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4229-CO	2015-07-16	SEVERE STORMS, TORNADOES, FLOODING, LANDSLIDES, AND MUDSLIDES	AURORA	\$568,530.08
EM-3271-CO	2007-01-07	SNOW	Catholic Health Initiatives Colorado	\$13,320.68

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

SOURCES

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
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 <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	1	0	0	0	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	11	4	0	4	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
Drought	5	2	0	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	601	98	4	86	0	0	1955 to 2026-06-30	
Heat Wave	5	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
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	45	6	0	6	5	1	1996 to 2026-06-30	
Landslide	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	30	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	267	49	25	46	0	0	1955 to 2026-06-30	Includes 110 High Wind records and 7 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	98	6	0	5	2	1	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	2	2	0	2	1	0	1996 to 2026-06-30	
Winter Weather	283	71	8	59	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
2024-07-13	Wildfire		\$750,000 property; crops not reported, reported for the zone (2024 dollars)	0, 0	NWS zone COZ045 (C & E ADAMS & ARAPAHOE COUNTIES), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	B1-c worst recorded: Wildfire
2023-06-21	Flash Flood		\$50,000 property; \$0 crops (2023 dollars)	1, 0	ARAPAHOE PARK	new since last plan; within last 5 years	deaths or injuries recorded
2022-12-21	Cold/Wind Chill		damage not reported	1, 0	NWS zone COZ040 (N DOUGLAS COUNTY BELOW 6000 FEET / DENVER / W ADAMS & ARAPAHOE COUNTIES / E BROOMFIELD COUNTY), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	deaths or injuries recorded

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2014-11-10	Frost/Freeze		property not reported; \$10,000,000 crops, reported for the zone (2014 dollars)	0, 0	NWS zone COZ040 (N DOUGLAS COUNTY BELOW 6000 FEET / DENVER / W ADAMS & ARAPAHOE COUNTIES / E BROOMFIELD COUNTY), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/ Freeze (outside NRI Cold Wave definition)
2013-09-12	Flood		\$3,300,000 property; \$0 crops (2013 dollars)	0, 0	SKYLINE to NORTH CHERRY VLY CRE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2012-06-01	Heat		\$0 property; \$0 crops, reported for the zone (2012 dollars)	0, 0	NWS zone COZ040 (N DOUGLAS COUNTY BELOW 6000 FEET / DENVER / W ADAMS & ARAPAHOE COUNTIES / E BROOMFIELD COUNTY), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
2010-06-10	Hail	4.25 in	damage not reported	0, 0	DEER TRAIL		B1-c worst recorded: Hail
2000-08-16	Lightning		\$250,000 property; crops not reported (2000 dollars)	0, 0	AURORA CHERRY CREEK		B1-c worst recorded: Lightning
1999-08-28	Thunderstorm Wind	80 kt (92 mph), measurement type not recorded	\$20,000 property; crops not reported (1999 dollars)	0, 0	DEER TRAIL		B1-c worst recorded: Thunderstorm Wind
1999-02-02	High Wind	89 kt (102 mph), measurement type not recorded	damage not reported	0, 0	NWS zone COZ040 (DENVER METROPOLITAN AREA), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
1998-12-18	Cold/Wind Chill		property not reported; \$0 crops, reported for the zone (1998 dollars)	3, 15	NWS zone COZ040 (DENVER METROPOLITAN AREA), zone-level: may include parts of neighboring counties		deaths or injuries recorded
1986-06-08	Tornado	F2, 0.1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 50 yd wide	\$2,500,000 property; crops not recorded (1986 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (1,348 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		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
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	1.61	event-days per year	about 1.61 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	30.5	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 1.61 cold wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 8 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. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	28.8	event-days per year	about 28.8 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	1,008	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 28.8 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	0.000657	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0657%			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	8.62	events per year	about 8.62 per year	Highly likely	FEMA annualized frequency (modeled)	327.4 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.73	event-days per year	about 0.73 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	10.9	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane		events per year					1851 to 2024 (Atlantic)	see B1-f	Not Applicable in NRI for this county; no descriptor.

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
Ice Storm	0.026	event-days per year	about 0.026 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	2	1946-12-31 to 2014-02-12 (67 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Inland Flooding	1.32	event-days per year	about 1.32 days per year	Likely	event-days in 19 of 30 years, 1996 to 2025 (63.3%)	37	1996 to 2023 (28 years)	see B1-f	
Landslide	0.151	events per year (modeled)	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	51.5	days per year with a strike	about 51.5 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.44	events per year	about 1.44 per year	Highly likely	FEMA annualized frequency (modeled)	55	1986 to 2023 (38 years)	countywide	
Tornado	1.06	events per year	about 1.06 per year	Highly 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	0.00149	annual probability at a location	chance a given location in the county burns in a year: 0.149%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	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.
Winter Weather	12.7	event-days per year	about 12.7 days per year	Highly likely	event-days in 30 of 30 years, 1996 to 2025 (100%)	241	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	299	30	9.97
Hail	2.00 in+	1996 to 2025	38	30	1.27
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	87	30	2.9
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	11	30	0.367
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	2	30	0.0667
Tornado	EF0-1	1996 to 2025	45	30	1.5
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	unrated (EFU)	1996 to 2025	3	30	0.1

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	0 of 161				Not Applicable 161	
Coastal Flooding	0 of 161				Not Applicable 161	
Cold Wave	161 of 161	17.4	50.0	78.6	Relatively High 2, Relatively Moderate 92, Relatively Low 66, Very 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.
Drought	22 of 161	66.9	69.8	95.6	Relatively Moderate 1, Relatively Low 4, Very Low 17, No Rating 139	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	161 of 161	9.3	34.7	72.2	Relatively Low 63, Very Low 98	
Hail	161 of 161	76.6	98.2	99.9	Very High 85, Relatively High 73, Relatively Moderate 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.
Heat Wave	161 of 161	1.9	6.9	27.5	Relatively Low 7, Very Low 154	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 161				Not Applicable 161	
Ice Storm	161 of 161	0.1	0.9	2.3	Very Low 161	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	161 of 161	0.6	19.0	84.8	Relatively High 2, Relatively Moderate 20, Relatively Low 69, Very Low 70	
Landslide	157 of 161	10.0	44.0	87.6	Relatively Low 2, Very Low 155, No Rating 4	
Lightning	161 of 161	3.8	70.9	96.0	Very High 2, Relatively High 50, Relatively Moderate 95, Relatively Low 13, Very 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
Strong Wind	161 of 161	9.7	53.6	82.0	Relatively Moderate 79, Relatively Low 81, Very 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.
Tornado	161 of 161	22.2	61.4	96.3	Very High 1, Relatively High 18, Relatively Moderate 116, Relatively Low 25, Very Low 1	
Tsunami	0 of 161				Not Applicable 161	
Volcanic Activity	161 of 161	40.9	56.9	77.6	Very Low 161	
Wildfire	145 of 161	18.5	49.3	96.4	Relatively High 1, Relatively Moderate 6, Relatively Low 25, Very Low 113, No Rating 16	
Winter Weather	161 of 161	17.0	51.1	77.2	Relatively Moderate 104, Relatively Low 56, Very 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
Arapahoe County	County	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	\$1,910,011.07	0; 0	
Aurora city	City	Approved, expires 2027-02-10	FMA RL 0, SRL 0; any 3	\$3,468,232.55	8; 0	Whole community, including the part in Adams County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 2, NFIP SRL 0, any category 2.
Bennett town	Town	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	none found	4; 0	
Bow Mar town	Town	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	\$4,575	6; 5	
Centennial city	City	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	\$151,529.60	0; 0	
Cherry Hills Village city	Town	Expired on 2026-01-12	FMA RL 0, SRL 0; any 2	\$12,128.80	0; 0	
Englewood city	City	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	\$880,937.95	20; 0	

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>federal share obligated, nominal dollars</i>	<i>all years; since the member's plan</i>	
Foxfield town	Town	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	\$5,717.33	0; 0	
Glendale city	City	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	\$11,800.71	0; 0	
Greenwood Village city	City	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	\$182,889.85	0; 0	
Littleton city	City	Expired on 2026-01-12	FMA RL 0, SRL 0; any 1	\$1,534,651.71	32; 4	
Sheridan city	City	Expired on 2026-01-12	FMA RL 0, SRL 0; any 0	\$5,291.15	7; 0	

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	Agriculture exposure	Population exposed	EAL buildings	EAL agriculture	EAL population equivalence	EAL as % of exposure	Storm Events damage since 2021-01-13	Zone-level damage since plan	Public Assistance since plan	Note
	<i>modeled dollars</i>	<i>modeled dollars</i>	<i>people</i>	<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>statistical value of life and injury, \$13.7M per life, not property damage</i>	<i>buildings; agriculture where noted</i>	<i>county-coded records, property plus crops, nominal dollars</i>	<i>property plus crops, reported for the zone</i>	<i>nominal dollars; see note</i>	
Avalanche											Not Applicable in NRI for this county
Coastal Flooding											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 2021-01-13 <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
Cold Wave	\$119,555,813,892	\$34,340,948	654,201	\$71,652	\$35,363	\$9,290,285	under 0.0001%		\$0		
Drought		\$19,156,289			\$117,648		0.614% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$200,860,237,979		655,070	\$2,669,023		\$852,384	0.00133%				
Hail	\$119,555,813,892	\$34,340,948	654,201	\$61,945,315	\$120,989	\$1,915,262	0.0518%	\$0			
Heat Wave	\$119,555,813,892	\$34,340,948	654,201	\$216	\$667	\$1,024,274	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$119,555,813,892		654,201	\$5,423		\$1,882	under 0.0001%				
Inland Flooding	\$119,454,682,133	\$729,568	4,058	\$61,429,254	\$6,208	\$594,744	n/a (see note)	\$170,000		\$4,058,465.65	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	\$1,143,470,376		5,207	\$1,638		\$15	0.000143%				
Lightning	\$119,555,813,892		654,201	\$67,770		\$3,959,032	under 0.0001%				
Strong Wind	\$119,555,813,892	\$34,340,948	654,201	\$1,067,733	\$2,777	\$2,647,187	0.000893%	\$6,000	\$0		
Tornado	\$119,555,813,892	\$34,340,948	654,201	\$17,250,067	\$2,103	\$5,106,741	0.0144%	\$0		\$4,058,465.65	
Tsunami											Not Applicable in NRI for this county
Volcanic Activity	\$119,555,813,892		654,201	under \$1		\$155	under 0.0001%				
Wildfire	\$9,793,185,395	\$21,104,963	59,487	\$740,201	\$94	\$61,826	0.00756%		\$750,000		
Winter Weather	\$119,555,813,892	\$34,340,948	654,201	\$133,277	\$5	\$385,504	0.000111%		\$0		

Totals since 2021-01-13 (Storm Events through 2026-06-30): 139 county-coded records, 24 with a damage value recorded (including \$0), \$176,000; 99 zone-level records, 48 with a damage value recorded (including \$0), \$750,000 reported for the zone; Public Assistance on counted declarations \$4,058,465.65 (1 declaration, 1 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	654,201
Building value (total, not at risk)	\$119,555,813,892
Agriculture value (total, not at risk)	\$34,340,948
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$145,667,423
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)	\$25,839,289
Social vulnerability rating	Very Low
Community resilience rating	Relatively Moderate
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	6	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	6	0	6	0	4
AURORA, CITY OF	0	0	2	0	2	0	1

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>
CHERRY HILLS VILLAGE, CITY OF	0	0	2	0	2	0	2
LITTLETON, CITY OF	0	0	1	0	1	0	1
Unknown (community ID Unknown in FEMA data)	0	0	1	0	1	0	0
State level, not in this county: county not reported	0	0	8	0	8	0	0

SOURCESFEMA, 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
Arapahoe County	080011	0	0	0	0	0	0	0	
Aurora city	080002	0	0	3	0	3	0	1	Whole community, including the part in Adams County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 2, NFIP SRL 0, any category 2.
Bennett town	080003	0	0	0	0	0	0	0	
Bow Mar town	080232	0	0	0	0	0	0	0	
Centennial city	080315	0	0	0	0	0	0	0	
Cherry Hills Village city	080013	0	0	2	0	2	0	2	
Englewood city	085074	0	0	0	0	0	0	0	
Foxfield town	080091	0	0	0	0	0	0	0	
Glendale city	080247	0	0	0	0	0	0	0	
Greenwood Village city	080195	0	0	0	0	0	0	0	
Littleton city	080017	0	0	1	0	1	0	1	
Sheridan city	080018	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.

SOURCESFEMA, 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	5	0	5	0	3
2 to 4 unit residential	0	0	0	0	0	0	0

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>
other residential	0	0	1	0	1	0	1
non-residential	0	0	0	0	0	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 6 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_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_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

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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_08005. Preview: automated baseline.