

San Bernardino County, CA

Risk-assessment baseline packet

County FIPS: 06071 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

Hazard Plain is an independent product built from public federal data. It is not a FEMA document and is not reviewed or endorsed by FEMA or any state agency.

Summary

Plan status as of 2026-09-30: Approved, expires 2027-11-30. Plan: San Bernardino County (FEMA plan 108635), approved 2022-12-01.

Since the plan was approved on 2022-12-01: 5 new hazard declarations (4 incidents): EM-3591-CA (Severe Winter Storms, Flooding, and Mudslides), EM-3592-CA (Severe Winter Storms, Flooding, Landslides, and Mudslides), DR-4699-CA (Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides), FM-5535-CA (Line Fire), FM-5537-CA (Bridge Fire).

NOAA Storm Events records since that date: 398 records (data through 2026-06-30).

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$959,579,794 a year), Earthquake (\$921,834,870) and Wildfire (\$145,737,649).

Repetitive-loss flood properties now: FMA RL 4, SRL 5 (44 CFR 77.2); any definition: 47.

The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.

NRI: FEMA's National Risk Index (version 1.20, December 2025).

NFIP: National Flood Insurance Program.

RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).

FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.

PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.

Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.

County-coded: NOAA logged the event to this county.

FIPS: the federal code for a place; 06071 is this area.

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

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

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

CFR: Code of Federal Regulations.

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

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

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Plan clock

Status:Approved, expires 2027-11-30

Plan:San Bernardino County (FEMA plan 108635)

Approved:2022-12-01

Days to expiry:426

What changed since your last plan (approved 2022-12-01)

New federal declarations:

5 new hazard declarations (4 incidents): EM-3591-CA (Severe Winter Storms, Flooding, and Mudslides), EM-3592-CA (Severe Winter Storms, Flooding, Landslides, and Mudslides), DR-4699-CA (Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides), FM-5535-CA (Line Fire), FM-5537-CA (Bridge Fire)

Storm Events records since approval:

398 records (data through 2026-06-30)

Repetitive loss now:

FMA RL 4, SRL 5 (44 CFR 77.2); any definition: 47

Repeat-flood change:

this release sets the baseline count.

Sources: 1, 2, 4, 6 (numbered list at the end)

Plan status for every jurisdiction listed in this county: 50 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
San Bernardino County	County	Approved, expires 2027-11-30	San Bernardino County (FEMA plan 108635)	2022-12-01	2027-11-30	426		
Apple Valley town	Town	Expired on 2023-04-09	Apple Valley, Town of (FEMA plan 104940)	2018-04-10	2023-04-09	-1,270		
Barstow city	City	Expired on 2024-08-25	Barstow, City of (FEMA plan 105703)	2019-08-26	2024-08-25	-766		
Big Bear Lake city	City	Expired on 2026-06-22	Big Bear Lake, City of (FEMA plan 106804)	2021-06-23	2026-06-22	-100		this jurisdiction approved 2021-08-12
Chino city	City	Approved, expires 2030-09-17	Chino, City of (FEMA plan 110979)	2025-09-18	2030-09-17	1,448		
Chino Hills city	City	Approved, expires 2030-09-16	Chino Hills, City of (FEMA plan 111028)	2025-09-17	2030-09-16	1,447		
Colton city	City	Approved, expires 2031-04-05	Colton, City of (FEMA plan 111417)	2026-04-06	2031-04-05	1,648		
Fontana city	City	Expired on 2023-08-29	Fontana, City of (FEMA plan 104603)	2018-08-30	2023-08-29	-1,128		
Grand Terrace city	City	Approved, expires 2031-02-24	Grand Terrace, City of (FEMA plan 111465)	2026-02-25	2031-02-24	1,608		
Hesperia city	City	Approved, expires 2030-05-06	Hesperia, City of (FEMA plan 110681)	2025-05-07	2030-05-06	1,314		
Highland city	City	Expired on 2020-01-29	Highland, City of (FEMA plan 100512)	2015-01-29	2020-01-29	-2,436		
Loma Linda city	City	Approved, expires 2027-03-06	Loma Linda, City of (FEMA plan 107859)	2022-03-07	2027-03-06	157		
Montclair city	City	Expired on 2016-07-13	Montclair, City of (FEMA plan 102642)	2011-07-13	2016-07-13	-3,731		
Needles city	City	Approved, expires 2030-11-11	Needles, City of (FEMA plan 111151)	2025-11-12	2030-11-11	1,503		
Ontario city	City	Approved, expires 2029-01-07	Ontario, City of (FEMA plan 109245)	2024-01-08	2029-01-07	830		
Rancho Cucamonga city	City	Approved, expires 2026-10-12	Rancho Cucamonga, City of (FEMA plan 107558)	2021-10-13	2026-10-12	12		
Redlands city	City	Approved, expires 2027-03-09	Redlands, City of (FEMA plan 107636)	2022-03-10	2027-03-09	160		
Rialto city	City	Approved, expires 2029-10-03	Rialto, City of (FEMA plan 109904)	2024-10-04	2029-10-03	1,099		
San Bernardino city	City	Approved, expires 2030-08-19	San Bernardino, City of (FEMA plan 110070)	2025-08-20	2030-08-19	1,419		
Twentynine Palms city	City	Approved, expires 2026-10-25	Twentynine Palms, City of (FEMA plan 107620)	2021-10-26	2026-10-25	25		
Upland city	City	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Victorville city	City	Approved, expires 2027-03-01	Victorville, City of (FEMA plan 107522)	2022-03-02	2027-03-01	152		
Yucaipa city	City	Approved, expires 2028-03-23	Yucaipa, City of (FEMA plan 108570)	2023-03-24	2028-03-23	540		
Yucca Valley town	Town	Approved, expires 2030-06-18	Yucca Valley, Town of (FEMA plan 110725)	2025-06-19	2030-06-18	1,357		
Name not given in FEMA data (ID R09_205278)	School/School District	Expired on 2026-04-29	San Bernardino City Unified School District (FEMA plan 106791)	2021-04-30	2026-04-29	-154		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Name not given in FEMA data (ID R09_205300)	School/School District	Expired on 2025-11-23	Morongo Unified School District (FEMA plan 106852)	2020-11-24	2025-11-23	-311		
Big Bear City Community Services District	Community Services District	Expired on 2026-06-22	Big Bear Lake, City of (FEMA plan 106804)	2021-06-23	2026-06-22	-100		this jurisdiction approved 2021-06-24
Big Bear Fire Authority	Fire/EMS District	Expired on 2026-06-22	Big Bear Lake, City of (FEMA plan 106804)	2021-06-23	2026-06-22	-100		
Big Bear Municipal Water District	Water/Sewer Authority	Expired on 2026-06-22	Big Bear Lake, City of (FEMA plan 106804)	2021-06-23	2026-06-22	-100		this jurisdiction approved 2021-10-13
Bighorn-Desert View Water Agency	Water/Sewer Authority	Expired on 2021-08-01	Bighorn-Desert View Water Agency (FEMA plan 102394)	2016-08-01	2021-08-01	-1,886		
Crestline Village Water District	Water/Sewer Authority	Expired on 2023-08-22	Crestline Village Water District (FEMA plan 104688)	2018-08-23	2023-08-22	-1,135		
Cucamonga Valley Water District	Water/Sewer Authority	Expired on 2024-09-12	Cucamonga Valley Water District (FEMA plan 105843)	2019-09-13	2024-09-12	-748		
East Valley Water District	Water/Sewer Authority	Approved, expires 2031-05-21	East Valley Water District (FEMA plan 111791)	2026-05-22	2031-05-21	1,694		
Hi-Desert Water District	Water/Sewer Authority	Approved, expires 2028-04-17	Hi-Desert Water District (FEMA plan 108867)	2023-04-18	2028-04-17	565		
Inland Empire Utilities Agency	Water/Sewer Authority	Approved, expires 2029-01-21	Inland Empire Utilities Agency (FEMA plan 109415)	2024-01-22	2029-01-21	844		
Monte Vista Water District	Water/Sewer Authority	Approved, expires 2029-02-20	Monte Vista Water District (FEMA plan 109428)	2024-02-21	2029-02-20	874		
Morongo Valley Community Services District	Community Services District	Expired on 2019-03-06	Morongo Valley Community Services District (FEMA plan 81318)	2014-03-06	2019-03-06	-2,765		
Omnitrans	Transit/Airport	Expired on 2024-11-25	OmniTrans (FEMA plan 104936)	2019-11-26	2024-11-25	-674		
Running Springs Water District	Water/Sewer Authority	Expired on 2017-10-11	Running Springs Water District (FEMA plan 102645)	2012-10-11	2017-10-11	-3,276		
San Bernardino Community College	College/University	Expired on 2017-11-26	San Bernardino Community College District (FEMA plan 81416)	2012-11-26	2017-11-26	-3,230		
San Bernardino County Fire Protection District	Fire/EMS District	Approved, expires 2027-11-30	San Bernardino County (FEMA plan 108635)	2022-12-01	2027-11-30	426		
San Bernardino County Flood Control District	Flood Control District	Approved, expires 2027-11-30	San Bernardino County (FEMA plan 108635)	2022-12-01	2027-11-30	426		
San Bernardino County Special Districts Department	Special District	Approved, expires 2027-11-30	San Bernardino County (FEMA plan 108635)	2022-12-01	2027-11-30	426		
San Bernardino Municipal Water Department	Water/Sewer Authority	Approved, expires 2030-06-04	San Bernardino Municipal Water Department (FEMA plan 110568)	2025-06-05	2030-06-04	1,343		this jurisdiction approved 2025-06-04

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
San Bernardino Valley Municipal Water District	Water/Sewer Authority	Approved, expires 2031-02-23	San Bernardino Valley Municipal Water District (FEMA plan 111304)	2026-02-24	2031-02-23	1,607		
Twentynine Palms Water District	Water/Sewer Authority	Approved, expires 2029-10-02	Twentynine Palms Water District (FEMA plan 110145)	2024-10-03	2029-10-02	1,098		
Victor Valley Wastewater Reclamation Authority	Special District	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Victor Valley Water District	Water/Sewer Authority	Expired on 2010-04-08	Victor Valley Water District (FEMA plan 102715)	2005-04-08	2010-04-08	-6,019		
West Valley Water District	Water/Sewer Authority	Expired on 2026-09-26	West Valley Water District (FEMA plan 107602)	2021-09-27	2026-09-26	-4		
Yucaipa Valley Water District	Water/Sewer Authority	Expired on 2026-04-08	Yucaipa Valley Water District (FEMA plan 106941)	2021-04-09	2026-04-08	-175		

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Very High	Very High	\$941,164,211	\$532,517	\$17,883,066	\$959,579,794	999	
2	Earthquake	Very High	Very High	\$692,860,775	n/a	\$228,974,095	\$921,834,870		Storm Events does not record earthquakes.
3	Wildfire	Very High	Very High	\$139,068,566	\$8,239	\$6,660,844	\$145,737,649	228	
4	Landslide	Very High	Very High	\$7,512,368	n/a	\$10,519,643	\$18,032,011	59	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
5	Heat Wave	Relatively High	Relatively High	\$2,681	\$42,077	\$17,530,762	\$17,575,520	177	
6	Strong Wind	Relatively High	Relatively High	\$1,345,483	\$22,582	\$2,600,732	\$3,968,796	713	Includes 469 High Wind and 86 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
7	Tornado	Relatively Moderate	Relatively Moderate	\$2,022,432	\$1,243	\$1,786,029	\$3,809,703	16	
8	Lightning	Relatively High	Relatively High	\$86,105	n/a	\$1,908,214	\$1,994,319	63	
9	Hail	Relatively Moderate	Relatively Moderate	\$1,666,077	\$499	\$265,831	\$1,932,407	60	
10	Cold Wave	Relatively Low	Relatively Low	\$56,626	\$1,990	\$333,053	\$391,670	19	Includes 13 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
11	Avalanche	Relatively Low	Relatively Low	\$697	n/a	\$142,948	\$143,645	5	
12	Winter Weather	Relatively Low	Relatively Low	\$4,908	under \$1	\$57,578	\$62,486	187	
13	Drought	Relatively Low	Relatively Low	n/a	\$36,916	n/a	\$36,916	26	
14	Volcanic Activity	Very Low	Very Low	under \$1	n/a	\$2	\$3	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Hurricane	No Rating	No Expected Annual Losses	\$0	\$0	\$0	\$0	1	
	Coastal Flooding	Not Applicable	Not Applicable					0	Declared 2 times; no Storm Events record of this type.
	Ice Storm	Not Applicable	Not Applicable					0	Declared 1 time; no Storm Events record of this type.

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

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local volcanic activity records (Storm Events records this hazard only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: tsunamis. That is the evidence for leaving them out of the plan.

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 251 (Relatively Low, 73.6); tract 104.36 (Relatively Low, 73.5); tract 103 (Relatively Low, 73.5)
Coastal Flooding	no tract has a National Risk Index rating for this hazard
Earthquake	tract 127 (Very High, 100.0); tract 73.03 (Very High, 100.0); tract 78 (Very High, 100.0)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 108.05 (Very High, 100.0); tract 92.02 (Very High, 100.0); tract 115 (Very High, 100.0)
Tornado	tract 127 (Relatively Moderate, 55.5); tract 78 (Relatively Low, 43.5); tract 21.12 (Relatively Low, 41.3)
Volcanic Activity	tract 107 (Very Low, 70.2); tract 89.01 (Very Low, 59.2); tract 251 (Very Low, 52.9)
Wildfire	tract 27.06 (Very High, 100.0); tract 87.11 (Very High, 100.0); tract 115 (Very High, 99.9)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 251 is Census Tract 251). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	5 records, 2004 to 2023 (5 zone-level)		Avalanche, 2023-03-02, \$20,000 property; \$0 crops (2023 dollars); NWS zone CAZ055		Countywide (zone-level records).	Physical measure: in event narratives only (local data needed).
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	6 records, 2002 to 2022 (6 zone-level)	2 days to 6 days (median 4 days); 3 with a recorded value	6 consecutive days, 2002-01-28 to 2002-02-02, zone-level	Extreme Cold/Wind Chill, 2002-01-29, \$150,000 property; crops not reported, reported for the zone (2002 dollars)	Countywide (zone-level records).	Wind chill: in event narratives only (local data needed).
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	13 records, 2004 to 2022 (13 zone-level)		Frost/Freeze, 2007-01-14, \$28,320,000 crop damage (2007 dollars); NWS zone CAZ048		Countywide (zone-level records).	Temperature: in event narratives only (local data needed).
Drought	U.S. Drought Monitor scale (D0 to D4)	26 records, 2007 to 2009 (26 zone-level)	167 days to 365 days (median 243 days); 3 with a recorded value	365 days (12 months), 2009-01-01 to 2009-12-31, a run of 12 consecutive Storm Events drought records, zone-level	Drought, 2007-07-01, property not reported; \$2,000 crops, reported for the zone (2007 dollars)	Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	67 records, 1966 to 2025	0.25 in to 2 in (median 0.88 in); 65 with a recorded value	2 in hail, 1999-09-12	Hail, 2020-08-22, \$250,000 property; \$0 crops (2020 dollars)	Event records naming jurisdictions in the plan: Barstow city (3 records), Needles city (3 records), Big Bear Lake city (1 record), Highland city (1 record), Victorville city (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	177 records, 1997 to 2025 (177 zone-level)	1 day to 13 days (median 3 days); 86 with a recorded value	13 consecutive days, 2023-07-11 to 2023-07-23, zone-level	Excessive Heat, 2019-08-04, \$500,000 property; \$0 crops, reported for the zone (2019 dollars)	Countywide (zone-level records).	Heat index: in event narratives only (local data needed). Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	1 record, 2023 (1 zone-level)		Strongest recorded: Tropical Storm record, 2023-08-20 to 2023-08-21, \$0 property; \$0 crops (2023 dollars); NWS zone CAZ048		Countywide (zone-level records).	Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	0					Ice thickness: in event narratives only (local data needed).
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	999 records, 1996 to 2026 (3 zone-level)		Flood, 2010-12-19, \$97,000,000 property; \$0 crops (2010 dollars)		Event records naming jurisdictions in the plan: Needles city (30 records), Barstow city (26 records), San Bernardino city (13 records), Victorville city (11 records), Chino city (10 records), Hesperia city (10 records), Yucaipa city (9 records), Big Bear Lake city (6 records), Fontana city (6 records), Colton city (5 records); and 9 more jurisdictions (see the Excel file). Zone-level records (3) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	59 records, 2003 to 2025 (9 zone-level)		Debris Flow, 2010-12-20, \$15,000,000 property; \$0 crops (2010 dollars); NWS zone CAZ055		Event records naming jurisdictions in the plan: Yucaipa city (3 records), Big Bear Lake city (2 records), Colton city (1 record), Fontana city (1 record), Hesperia city (1 record). Zone-level records (9) apply countywide.	Physical measure: in event narratives only (local data needed).
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	63 records, 1996 to 2024		Lightning, 2009-06-03, \$1,000 property; \$0 crops (2009 dollars), 1 direct death	Lightning, 2001-07-06, \$840,000 property; crops not reported (2001 dollars)	Event records naming jurisdictions in the plan: Fontana city (3 records), Hesperia city (3 records), Barstow city (2 records), Big Bear Lake city (2 records), Colton city (1 record), Highland city (1 record), Montclair city (1 record), Needles city (1 record), Ontario city (1 record), Rialto city (1 record); and 4 more jurisdictions (see the Excel file).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only (local data needed).
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	555 records, 1996 to 2026 (553 zone-level)	22 kt (25 mph) to 110 kt (127 mph) (median 56 kt (64 mph)); 552 with a recorded value	110 kt (127 mph) measured gust, High Wind, 2011-03-20; NWS zone CAZ055	High Wind, 2007-10-21, \$35,000,000 property; \$0 crops, reported for the zone (2007 dollars)	Event records naming jurisdictions in the plan: Rialto city (2 records). Zone-level records (553) apply countywide.	
Thunderstorm Wind	wind speed (kt and mph)	197 records, 1957 to 2026	39 kt (45 mph) to 90 kt (104 mph) (median 52 kt (60 mph)); 172 with a recorded value	90 kt (104 mph), measurement type not recorded, Thunderstorm Wind, 1997-09-01	Thunderstorm Wind, 2015-09-14, \$1,200,000 property; \$0 crops (2015 dollars)	Event records naming jurisdictions in the plan: Needles city (17 records), Barstow city (11 records), Big Bear Lake city (4 records), Hesperia city (3 records), San Bernardino city (2 records), Victorville city (2 records), Yucaipa city (2 records), Rancho Cucamonga city (1 record).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Tornado	Enhanced Fujita (Fujita before Feb 2007)	33 records, 1954 to 2019	F/EF0 to F/EF2 (median F/EF0); 26 with a recorded value	F2 tornado, 1982-09-07, 0.5 mi path length (whole path, pre-1996), 20 yd wide, \$25,000 property; crops not recorded (1982 dollars), 2 direct injuries	Tornado, 1983-08-01, \$250,000 property; crops not recorded (1983 dollars)	Event records naming jurisdictions in the plan: Fontana city (1 record), Hesperia city (1 record), Needles city (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only (local data needed).
Wildfire	acres burned (local data)	228 records, 1997 to 2025 (138 zone-level)		Wildfire, 2003-10-25, \$696,400,000 property; crops not reported (2003 dollars), 4 direct deaths, 5 direct injuries		Event records naming jurisdictions in the plan: San Bernardino city (9 records), Hesperia city (6 records), Fontana city (5 records), Chino city (4 records), Colton city (4 records), Rialto city (4 records), Yucaipa city (4 records), Big Bear Lake city (2 records), Upland city (2 records), Victorville city (2 records); and 4 more jurisdictions (see the Excel file). Zone-level records (138) apply countywide.	Acres burned: in event narratives only (local data needed).
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	187 records, 1996 to 2026 (187 zone-level)		Heavy Snow, 2019-11-27, \$0 property; \$2,000,000 crops (2019 dollars); NWS zone CAZ055		Countywide (zone-level records).	Snow depth: in event narratives only (local data needed).

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records whose zone no NWS zone-county file places in this county (mostly before 2020) are not counted here (the Methods page explains the zone matching).

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 61 declarations covering 51 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2024-09-11	2024-09-10	FM-5537-CA	Fire management	Bridge Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2024-09-07	2024-09-07	FM-5535-CA	Fire management	Line Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2023-04-03	2023-02-21	DR-4699-CA	Major disaster	Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Ice Storm; Inland Flooding; Landslide; Strong Wind; Winter Weather	\$3,740,932.18	new since last plan; within last 5 years	
2023-03-10	2023-03-09	EM-3592-CA	Emergency	Severe Winter Storms, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Winter Weather	no Public Assistance recorded	new since last plan; within last 5 years	same incident as DR-4699
2023-01-09	2023-01-08	EM-3591-CA	Emergency	Severe Winter Storms, Flooding, and Mudslides	Inland Flooding (primary); also designated: Landslide, Winter Weather	no Public Assistance recorded	new since last plan; within last 5 years	
2020-10-26	2020-10-26	FM-5381-CA	Fire management	Blue Ridge Fire	Wildfire	no Public Assistance recorded		same incident as DR-4569
2020-10-16	2020-09-04	DR-4569-CA	Major disaster	Wildfires	Wildfire	\$2,943,807.24		
2020-09-06	2020-09-05	FM-5350-CA	Fire management	El Dorado Fire	Wildfire	no Public Assistance recorded		same incident as DR-4569
2020-08-02	2020-08-02	FM-5325-CA	Fire management	Apple Fire	Wildfire	no Public Assistance recorded		
2020-03-22	2020-01-20	DR-4482-CA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$195,752,924.82		
2020-03-13	2020-01-20	EM-3428-CA	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4482
2019-10-31	2019-10-31	FM-5301-CA	Fire management	Hillside Fire	Wildfire	no Public Assistance recorded		
2019-07-08	2019-07-04	EM-3415-CA	Emergency	Earthquakes	Earthquake	no Public Assistance recorded		
2016-08-16	2016-08-16	FM-5147-CA	Fire management	Blue Cut Fire	Wildfire	no Public Assistance recorded		
2016-08-08	2016-08-07	FM-5144-CA	Fire management	Pilot Fire	Wildfire	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2015-07-17	2015-07-17	FM-5089-CA	Fire management	North Fire	Wildfire	no Public Assistance recorded		
2011-09-02	2011-09-02	FM-2955-CA	Fire management	Hill Fire	Wildfire	no Public Assistance recorded		
2011-01-26	2010-12-17	DR-1952-CA	Major disaster	Severe Winter Storms, Flooding, and Debris and Mud Flows	Inland Flooding (primary); also designated: Winter Weather	\$43,093,689.56		
2010-03-08	2010-01-17	DR-1884-CA	Major disaster	Severe Winter Storms, Flooding, and Debris and Mud Flows	Inland Flooding; Winter Weather	\$2,075,986.82		
2009-10-04	2009-10-03	FM-2841-CA	Fire management	Sheep Fire	Wildfire	no Public Assistance recorded		
2009-09-01	2009-08-31	FM-2836-CA	Fire management	Pendleton Fire	Wildfire	no Public Assistance recorded		
2009-08-31	2009-08-30	FM-2833-CA	Fire management	Oak Glen Fire	Wildfire	no Public Assistance recorded		
2008-11-15	2008-11-15	FM-2792-CA	Fire management	Freeway Fire Complex	Wildfire	no Public Assistance recorded		
2007-10-24	2007-10-21	DR-1731-CA	Major disaster	Wildfires, Flooding, Mud Flows, and Debris Flows	Wildfire	\$10,410,628.07		
2007-10-23	2007-10-21	EM-3279-CA	Emergency	Wildfires	Wildfire	no Public Assistance recorded		same incident as DR-1731
2007-10-22	2007-10-22	FM-2738-CA	Fire management	Grass Valley Fire	Wildfire	no Public Assistance recorded		same incident as DR-1731
2007-09-15	2007-09-14	FM-2728-CA	Fire management	Butler 2 Fire	Wildfire	no Public Assistance recorded		
2007-03-13	2007-01-11	DR-1689-CA	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		
2006-07-12	2006-07-11	FM-2653-CA	Fire management	Sawtooth Fire Complex	Wildfire	no Public Assistance recorded		
2005-09-13	2005-08-29	EM-3248-CA	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2005-04-14	2005-02-16	DR-1585-CA	Major disaster	Severe Storms, Flooding, Landslides, and Mud and Debris Flows	Inland Flooding; Landslide	\$3,325,696.02		
2005-02-04	2004-12-27	DR-1577-CA	Major disaster	Severe Storms, Flooding, Debris Flows, and Mudslides	Inland Flooding; Landslide	\$19,524,947.54		
2003-10-27	2003-10-21	DR-1498-CA	Major disaster	Wildfires, Flooding, Mudflow and Debris Flow Directly Related T	Wildfire	\$13,505,727.13		
2003-10-25	2003-10-25	FM-2503-CA	Fire management	Old Fire	Wildfire	no Public Assistance recorded		same incident as DR-1498
2003-10-23	2003-10-21	FM-2501-CA	Fire management	Ca-Grand Prix Fire-10-23-2003	Wildfire	no Public Assistance recorded		same incident as DR-1498
2003-09-06	2003-09-05	FM-2497-CA	Fire management	Ca-Bridge Fire-09-05-2003	Wildfire	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2003-08-19	2003-08-18	FM-2491-CA	Fire management	Ca-Locust Wildfire-08-19-2003	Wildfire	no Public Assistance recorded		
2002-09-24	2002-09-22	FM-2464-CA	Fire management	Williams Fire	Wildfire	no Public Assistance recorded		
2002-06-27	2002-06-26	FM-2433-CA	Fire management	Louisiana Fire	Wildfire	no Public Assistance recorded		
2002-06-17	2002-06-16	FM-2425-CA	Fire management	Bluecut Fire	Wildfire	no Public Assistance recorded		
1999-09-01	1999-08-24	EM-3140-CA	Emergency	Ca-Wildfires-08/25/1999	Wildfire	\$266,680.97		
1998-02-09	1998-02-02	DR-1203-CA	Major disaster	Severe Winter Storms and Flooding	Inland Flooding; Winter Weather	no Public Assistance recorded		
1995-03-12	1995-02-13	DR-1046-CA	Major disaster	Severe Winter Storms, Flooding Landslides, Mud Flow	Inland Flooding; Landslide; Winter Weather	no Public Assistance recorded		
1995-01-10	1995-01-03	DR-1044-CA	Major disaster	Severe Winter Storms, Flooding, Landslides, Mud Flows	Inland Flooding; Landslide; Winter Weather	no Public Assistance recorded		
1993-10-28	1993-10-26	DR-1005-CA	Major disaster	Fires, Mud/Landslides, Flooding, Soil Erosion	Wildfire (primary); also designated: Inland Flooding, Landslide	no Public Assistance recorded		
1993-02-03	1993-01-05	DR-979-CA	Major disaster	Severe Winter Storm, Mud & Land Slides, & Flooding	Inland Flooding (primary); also designated: Landslide, Winter Weather	no Public Assistance recorded		
1992-07-02	1992-06-28	DR-947-CA	Major disaster	Earthquake & Aftershocks	Earthquake	no Public Assistance recorded		
1992-02-25	1992-02-10	DR-935-CA	Major disaster	Rain/Snow/Wind Storms, Flooding, Mudslides	Inland Flooding (primary); also designated: Landslide, Strong Wind, Winter Weather	no Public Assistance recorded		
1991-02-11	1990-12-19	DR-894-CA	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		
1990-06-30	1990-06-26	DR-872-CA	Major disaster	Fires	Wildfire	PA not declared for this county		
1983-09-22	1983-08-15	DR-690-CA	Major disaster	Flash Flooding	Inland Flooding	no Public Assistance recorded		
1983-07-01	1983-06-16	DR-687-CA	Major disaster	Flooding	Inland Flooding	no Public Assistance recorded		
1983-02-09	1983-01-21	DR-677-CA	Major disaster	Coastal Storms, Floods, Slides & Tornadoes	Coastal Flooding; Inland Flooding; Landslide; Tornado	PA not declared for this county		
1980-11-27	1980-11-27	DR-635-CA	Major disaster	Brush & Timber Fires	Wildfire	no Public Assistance recorded		
1980-02-21	1980-01-08	DR-615-CA	Major disaster	Severe Storms, Mudslides & Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded		
1978-02-15	1978-02-15	DR-547-CA	Major disaster	Coastal Storms, Mudslides & Flooding	Coastal Flooding (primary); also designated: Landslide	no Public Assistance recorded		
1976-09-21	1976-09-21	DR-521-CA	Major disaster	Flooding, Tropical Storm Kathleen	Inland Flooding (primary); also designated: Hurricane	no Public Assistance recorded		
1970-09-29	1970-09-29	DR-295-CA	Major disaster	Forest & Brush Fires	Wildfire	no Public Assistance recorded		
1969-01-26	1969-01-26	DR-253-CA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		
						<i>federal share obligated, nominal dollars</i>	Flags	Notes
1967-01-02	1967-01-02	DR-223-CA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1965-12-07	1965-12-07	DR-211-CA	Major disaster	Heavy Rains & Flooding	Inland Flooding	no Public Assistance recorded		

School districts and special districts in this county: \$11,744,861.53 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1964-04-01	1964-04-01	DR-169-CA	Major disaster	Seismic Sea Wave	Tsunami
1963-12-21	1963-12-21	DR-161-CA	Major disaster	Flood Due to Broken Dam	Other, not an NRI hazard; not counted
1963-02-25	1963-02-25	DR-145-CA	Major disaster	Severe Storms, Heavy Rains & Flooding	Inland Flooding
1962-10-24	1962-10-24	DR-138-CA	Major disaster	Severe Storms & Flooding	Inland Flooding
1962-03-06	1962-03-06	DR-122-CA	Major disaster	Floods	Inland Flooding
1961-11-16	1961-11-16	DR-119-CA	Major disaster	Fire (Los Angeles County)	Wildfire
1958-04-04	1958-04-04	DR-82-CA	Major disaster	Heavy Rainstorms & Flood	Inland Flooding
1956-12-29	1956-12-29	DR-65-CA	Major disaster	Forest Fire	Wildfire
1955-12-23	1955-12-23	DR-47-CA	Major disaster	Flood	Inland Flooding
1954-02-05	1954-02-05	DR-15-CA	Major disaster	Flood & Erosion	Inland Flooding

FEMA recorded these with designated area Statewide and no county, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

5 Fire Management declarations (1977-08-07 to 1988-09-13) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	5	2	0	2	0	0	1996 to 2026-06-30	
Coastal Flooding	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)
Cold Wave	19	0	5	5	2	0	1996 to 2026-06-30	Includes 13 Frost/Freeze records.
Drought	26	0	0	0	0	0	1996 to 2026-06-30	

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Earthquake	0	0	0	0	2	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	67	6	1	7	0	0	1955 to 2026-06-30	
Heat Wave	177	44	15	61	0	0	1996 to 2026-06-30	
Hurricane	1	1	0	1	1	0	1996 to 2026-06-30	
Ice Storm	0	0	0	0	1	1	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Inland Flooding	999	183	92	276	20	2	1996 to 2026-06-30	
Landslide	59	8	10	25	12	2	1996 to 2026-06-30	
Lightning	63	3	1	4	0	0	1996 to 2026-06-30	
Strong Wind	752	96	52	157	2	1	1955 to 2026-06-30	Includes 469 High Wind and 86 Strong Wind records.
Tornado	33	0	0	0	1	0	1950 to 2026-06-30	
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	228	20	5	25	27	2	1996 to 2026-06-30	
Winter Weather	187	35	11	48	9	2	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2023-07-11	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2023 dollars)	0, 0	NWS zone CAZ527 (SAN BERNARDINO COUNTY-UPPER COLORADO RIVER VALLEY), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2011-03-20	High Wind	110 kt (127 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2011 dollars)	0, 0	NWS zone CAZ055 (SAN BERNARDINO COUNTY MOUNTAINS), zone-level		B1-c worst recorded: High Wind and Strong Wind
2010-12-20	Debris Flow		\$15,000,000 property; \$0 crops, reported for the zone (2010 dollars)	0, 0	NWS zone CAZ055 (SAN BERNARDINO COUNTY MOUNTAINS), zone-level		B1-c worst recorded: Debris Flow
2010-12-19	Flood		\$97,000,000 property; \$0 crops (2010 dollars)	0, 0	MT BALDY to LOS SERRANOS		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2009-06-03	Lightning		\$1,000 property; \$0 crops (2009 dollars)	1, 0	FONTANA		B1-c worst recorded: Lightning
2007-09-01	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2007 dollars)	4, 2	NWS zone CAZ048 (SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS - THE INLAND EMPIRE), zone-level		deaths or injuries recorded
2003-12-25	Debris Flow		\$5,000,000 property; crops not reported, reported for the zone (2003 dollars)	14, 10	NWS zone CAZ055 (SAN BERNARDINO COUNTY MOUNTAINS), zone-level		deaths or injuries recorded
2003-10-25	Wildfire		\$696,400,000 property; crops not reported (2003 dollars)	4, 5	SAN BERNARDINO		deaths or injuries recorded
2002-01-28	Extreme Cold/ Wind Chill		damage not reported	0, 0	NWS zone CAZ060 (APPLE AND YUCCA VALLEYS), zone-level		B1-c worst recorded: Cold/ Wind Chill, Extreme Cold/Wind Chill
1999-09-12	Hail	2 in	\$40,000 property; crops not reported (1999 dollars)	0, 0	BAKER		B1-c worst recorded: Hail
1997-09-01	Thunderstorm Wind	90 kt (104 mph), measurement type not recorded	damage not reported	0, 0	TWENTY NINE PALMS		B1-c worst recorded: Thunderstorm Wind
1982-09-07	Tornado	F2, 0.5 mi path length (whole path, pre-1996), 20 yd wide	\$25,000 property; crops not recorded (1982 dollars)	0, 2	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (2,616 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.0667	events per year	about 1 in 15 years	Possible	FEMA annualized frequency (modeled)	2	1994 to 2023 (30 years)	see B1-f	
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	0.0127	event-days per year	about 0.0127 days per year	Possible (from Storm Events: 2 of 30 years)	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	0.242	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	78.4	event-days per year	about 78.4 days per year	Likely (from Storm Events: 3 of 30 years)	event-days in 3 of 30 years, 1996 to 2025 (10%)	4,242	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.112	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 11.2%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.0732	events per year	about 1 in 14 years	Possible	FEMA annualized frequency (modeled)	2.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	11.6	event-days per year	about 11.6 days per year	Likely (from Storm Events: 18 of 30 years)	event-days in 18 of 30 years, 1996 to 2025 (60%)	78.4	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.00131	events per year	about 1 in 765 years	Unlikely	FEMA annualized frequency (modeled)	3	1851 to 2024 (Atlantic); 1949 to 2024 (Pacific)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm		event-days per year					1946-12-31 to 2014-02-12 (67 years)	countywide	Not Applicable in NRI for this county; no descriptor.
Inland Flooding	13	event-days per year	about 13 days per year	Highly likely (from Storm Events: 30 of 30 years)	event-days in 30 of 30 years, 1996 to 2025 (100%)	363	1996 to 2023 (28 years)	see B1-f	
Landslide	27.5	events per year (modeled)	about 27.5 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Lightning	16.8	days per year with a strike	about 16.8 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.181	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	7	1986 to 2023 (38 years)	countywide	
Tornado	0.758	events per year	about 0.76 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Volcanic Activity	0.0003	annual probability	about 1 in 3,333 years	Unlikely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.00948	annual probability at a location	chance a given location in the county burns in a year: 0.948%	Highly likely (from Storm Events: 29 of 30 years)	Storm Events records in 29 of 30 years, 1996 to 2025 (96.7%)	not shown	modeled	see B1-f	Descriptor from Storm Events, not NRI.
Winter Weather	2.11	event-days per year	about 2.11 days per year	Highly likely (from Storm Events: 30 of 30 years)	event-days in 30 of 30 years, 1996 to 2025 (100%)	40.1	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunامي the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year
events per year	Likely	about once in 1 to 10 years
events per year	Possible	about once in 10 to 100 years
events per year	Unlikely	less than once in 100 years
annual probability	Likely	10% to under 100% chance in a given year
annual probability	Possible	1% to under 10% chance in a given year
annual probability	Unlikely	under 1% chance in a given year
event-days (share of years)	Highly likely	event-days recorded in 90% or more of years
event-days (share of years)	Likely	event-days recorded in 10% to under 90% of years
event-days (share of years)	Possible	event-days recorded in some years but under 10% of years
lightning strike-days	Highly likely	cloud-to-ground strikes on 1 or more days per year

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	25	30	0.833
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	98	30	3.27
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	15	30	0.5
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	42	30	1.4
Tornado	EF0-1	1996 to 2025	16	30	0.533
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	37 of 466	71.7	72.7	73.6	Relatively Low 37, Not Applicable 429
Coastal Flooding	0 of 466				Not Applicable 466
Cold Wave	44 of 466	15.6	22.6	33.9	Relatively Low 32, Very Low 12, No Rating 422
Drought	43 of 466	68.1	71.6	91.1	Relatively Low 3, Very Low 40, No Rating 423
Earthquake	466 of 466	53.7	93.0	100.0	Very High 90, Relatively High 294, Relatively Moderate 79, Relatively Low 3
Hail	466 of 466	13.5	37.6	86.1	Relatively Moderate 5, Relatively Low 236, Very Low 225
Heat Wave	466 of 466	1.7	49.3	84.3	Relatively Moderate 139, Relatively Low 303, Very Low 24
Hurricane	0 of 466				No Rating 466
Ice Storm	0 of 466				Not Applicable 466
Inland Flooding	466 of 466	1.3	89.6	100.0	Very High 139, Relatively High 182, Relatively Moderate 113, Relatively Low 29, Very Low 3
Landslide	428 of 466	8.6	54.8	100.0	Very High 10, Relatively High 10, Relatively Moderate 38, Relatively Low 49, Very Low 321, No Rating 38

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Lightning	466 of 466	1.4	24.5	57.3	Relatively Moderate 1, Relatively Low 329, Very Low 136
Strong Wind	466 of 466	9.7	31.3	81.6	Relatively Moderate 13, Relatively Low 424, Very Low 29
Tornado	466 of 466	1.4	18.2	55.5	Relatively Moderate 1, Relatively Low 16, Very Low 449
Volcanic Activity	7 of 466	40.0	44.4	70.2	Very Low 7, No Rating 459
Wildfire	351 of 466	18.6	88.5	100.0	Very High 34, Relatively High 70, Relatively Moderate 73, Relatively Low 93, Very Low 81, No Rating 115
Winter Weather	464 of 466	10.7	15.9	38.9	Relatively Low 67, Very Low 397, No Rating 2

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
San Bernardino County	County	Approved, expires 2027-11-30	FMA RL 2, SRL 0; any 17	\$76,365,374.97	0 total; 0 since its plan	Includes \$37,498,848.49 for declarations not counted as hazard incidents (DR-4482-CA).
Apple Valley town	Town	Expired on 2023-04-09	FMA RL 0, SRL 1; any 3	\$889,314.47	0 total; 0 since its plan	
Barstow city	City	Expired on 2024-08-25	FMA RL 0, SRL 0; any 1	\$964,526.60	42 total; 13 since its plan	
Big Bear Lake city	City	Expired on 2026-06-22	FMA RL 0, SRL 0; any 1	\$400,733.31	17 total; 2 since its plan	
Chino city	City	Approved, expires 2030-09-17	FMA RL 0, SRL 0; any 0	\$111,320.15	14 total; 0 since its plan	Includes \$86,326 for declarations not counted as hazard incidents (DR-4482-CA).
Chino Hills city	City	Approved, expires 2030-09-16	FMA RL 0, SRL 0; any 0	\$485,949.51	0 total; 0 since its plan	Includes \$12,950.32 for declarations not counted as hazard incidents (DR-4482-CA).
Colton city	City	Approved, expires 2031-04-05	FMA RL 0, SRL 1; any 1	\$55,379.59	11 total; 0 since its plan	
Fontana city	City	Expired on 2023-08-29	FMA RL 0, SRL 0; any 1	\$398,330.38	16 total; 1 since its plan	Includes \$371,187.70 for declarations not counted as hazard incidents (DR-4482-CA).
Grand Terrace city	City	Approved, expires 2031-02-24	FMA RL 0, SRL 0; any 0	\$22,379.77	2 total; 0 since its plan	
Hesperia city	City	Approved, expires 2030-05-06	FMA RL 1, SRL 1; any 2	\$1,028,630.24	24 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Highland city	City	Expired on 2020-01-29	FMA RL 1, SRL 1; any 1	\$1,135,768.18	6 total; 2 since its plan	
Loma Linda city	City	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$761,336.47	3 total; 1 since its plan	Includes \$43,292.81 for declarations not counted as hazard incidents (DR-4482-CA).
Montclair city	City	Expired on 2016-07-13	FMA RL 0, SRL 0; any 0	\$197,603.45	2 total; 1 since its plan	Includes \$152,333.17 for declarations not counted as hazard incidents (DR-4482-CA).
Needles city	City	Approved, expires 2030-11-11	FMA RL 0, SRL 0; any 0	\$27,230.55	52 total; 0 since its plan	Includes \$27,230.55 for declarations not counted as hazard incidents (DR-4482-CA).
Ontario city	City	Approved, expires 2029-01-07	FMA RL 0, SRL 0; any 1	\$1,570,254.23	6 total; 1 since its plan	Includes \$930,086.23 for declarations not counted as hazard incidents (DR-4482-CA).
Rancho Cucamonga city	City	Approved, expires 2026-10-12	FMA RL 0, SRL 1; any 2	\$607,009.24	7 total; 1 since its plan	Includes \$191,508.12 for declarations not counted as hazard incidents (DR-4482-CA).
Redlands city	City	Approved, expires 2027-03-09	FMA RL 0, SRL 0; any 0	\$400,924.56	1 total; 0 since its plan	Includes \$48,496.43 for declarations not counted as hazard incidents (DR-4482-CA).
Rialto city	City	Approved, expires 2029-10-03	FMA RL 0, SRL 0; any 0	\$342,164.55	9 total; 0 since its plan	
San Bernardino city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 2	\$2,443,926.31	25 total; 0 since its plan	Includes \$94,095.22 for declarations not counted as hazard incidents (DR-4482-CA).
Twentynine Palms city	City	Approved, expires 2026-10-25	FMA RL 0, SRL 0; any 7	\$25,222.34	0 total; 0 since its plan	
Upland city	City	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 1	\$41,443.76	8 total; no approved plan	
Victorville city	City	Approved, expires 2027-03-01	FMA RL 0, SRL 0; any 0	\$750,980.04	17 total; 2 since its plan	Includes \$351,070.82 for declarations not counted as hazard incidents (DR-4482-CA).
Yucaipa city	City	Approved, expires 2028-03-23	FMA RL 0, SRL 0; any 0	\$155,378.50	19 total; 1 since its plan	
Yucca Valley town	Town	Approved, expires 2030-06-18	FMA RL 0, SRL 0; any 5	\$355,209.96	0 total; 0 since its plan	

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

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

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

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

Local data needed

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

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2022-12-01 <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	\$13,049,144	n/a	10	\$697	n/a	\$142,948	0.00534%		\$20,000		
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$25,209,130,961	\$981,053	77,135	\$56,626	\$1,990	\$333,053	0.000225%				
Drought	n/a	\$74,394,742	n/a	n/a	\$36,916	n/a	0.0496% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$740,002,729,308	n/a	2,181,654	\$692,860,775	n/a	\$228,974,095	0.0936%				
Hail	\$423,886,169,656	\$481,450,205	2,179,979	\$1,666,077	\$499	\$265,831	0.000393%	\$10,000			
Heat Wave	\$423,886,169,656	\$481,450,205	2,179,979	\$2,681	\$42,077	\$17,530,762	under 0.0001%		\$10,000		
Hurricane	\$423,886,094,115	\$481,450,205	2,179,979	\$0	\$0	\$0	0%		\$0		
Ice Storm										\$3,740,932.18	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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2022-12-01 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Inland Flooding	\$423,805,473,944	\$30,458,390	24,869	\$941,164,211	\$532,517	\$17,883,066	n/a (see note)	\$13,200,100		\$3,740,932.18	NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$9,608,189,569	n/a	34,317	\$7,512,368	n/a	\$10,519,643	0.0782%	\$20,000		\$3,740,932.18	
Lightning	\$423,886,169,656	n/a	2,179,979	\$86,105	n/a	\$1,908,214	under 0.0001%	\$45,000			
Strong Wind	\$423,886,169,656	\$481,450,205	2,179,979	\$1,345,483	\$22,582	\$2,600,732	0.000317%	\$76,000	\$374,000	\$3,740,932.18	Storm Events damage since the plan includes 6 zone-level High Wind records (\$296,000) and 7 zone-level Strong Wind records (\$78,000): NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition.
Tornado	\$423,886,169,656	\$481,450,205	2,179,979	\$2,022,432	\$1,243	\$1,786,029	0.000477%				
Volcanic Activity	\$423,886,169,656	n/a	2,179,979	under \$1	n/a	\$2	under 0.0001%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2022-12-01 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Wildfire	\$37,627,424,673	\$263,180,689	264,780	\$139,068,566	\$8,239	\$6,660,844	0.37%		\$44,250,000	no Public Assistance recorded (2 declarations)	
Winter Weather	\$420,971,184,835	\$431,664,125	2,173,071	\$4,908	under \$1	\$57,578	under 0.0001%		\$500,000	\$3,740,932.18	

Totals since 2022-12-01 (Storm Events through 2026-06-30): 225 county-coded records, 222 with a damage value recorded (including \$0), \$13,351,100; 173 zone-level records, 165 with a damage value recorded (including \$0), \$45,154,000 reported for the zone; Public Assistance: \$3,740,932.18 on 5 counted declarations, 1 of them with Public Assistance.

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

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

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

County context

Source: 5

Measure	Value
Population	2,179,979
Building value (total, not at risk)	\$423,886,169,656
Agriculture value (total, not at risk)	\$481,450,205
NRI risk rating (all hazards)	Very High
Expected annual loss, buildings and agriculture, all hazards	\$1,786,436,992
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)	\$288,662,797
Social vulnerability rating	Relatively Low
Community resilience rating	Relatively Low
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	4	Severe repetitive loss, FMA definition (44 CFR 77.2)	5
Repetitive loss, NFIP insurance definition	44	Severe repetitive loss, NFIP insurance definition	3

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
County total	4	5	44	3	47	0	14
of which: San Bernardino County (unincorporated area)	2	0	16	0	17	0	5
of which: Barstow city	0	0	1	0	1	0	0
of which: Colton city	0	1	1	1	1	0	0
of which: Fontana city	0	0	1	0	1	0	0
of which: Ontario city	0	0	1	0	1	0	0
of which: San Bernardino city	0	0	2	0	2	0	0
of which: Rancho Cucamonga city	0	1	1	0	2	0	0
of which: Big Bear Lake city	0	0	1	0	1	0	0
of which: Highland city	1	1	0	0	1	0	1
of which: Hesperia city	1	1	2	1	2	0	1
of which: Twentynine Palms city	0	0	7	0	7	0	5
of which: Yucca Valley town	0	0	5	0	5	0	1
of which: Apple Valley town	0	1	3	1	3	0	1
of which: Upland city	0	0	1	0	1	0	0
of which: Unknown (community ID Unknown in FEMA data)	0	0	2	0	2	0	0
Statewide, no county in FEMA's file	0	1	3	0	4	1	0

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

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
San Bernardino County	060270	2	0	16	0	17	0	5
Apple Valley town	060752	0	1	3	1	3	0	1
Barstow city	060271	0	0	1	0	1	0	0
Big Bear Lake city	060731	0	0	1	0	1	0	0
Chino city	060272	0	0	0	0	0	0	0
Chino Hills city	060754	0	0	0	0	0	0	0
Colton city	060273	0	1	1	1	1	0	0
Fontana city	060274	0	0	1	0	1	0	0
Grand Terrace city	060737	0	0	0	0	0	0	0
Hesperia city	060733	1	1	2	1	2	0	1
Highland city	060732	1	1	0	0	1	0	1
Loma Linda city	065042	0	0	0	0	0	0	0
Montclair city	060276	0	0	0	0	0	0	0
Needles city	060277	0	0	0	0	0	0	0
Ontario city	060278	0	0	1	0	1	0	0
Rancho Cucamonga city	060671	0	1	1	0	2	0	0
Redlands city	060279	0	0	0	0	0	0	0
Rialto city	060280	0	0	0	0	0	0	0
San Bernardino city	060281	0	0	2	0	2	0	0
Twentynine Palms city	060734	0	0	7	0	7	0	5
Upland city	065067	0	0	1	0	1	0	0
Victorville city	065068	0	0	0	0	0	0	0
Yucaipa city	060739	0	0	0	0	0	0	0
Yucca Valley town	060750	0	0	5	0	5	0	1

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	4	5	34	3	37	0	12
2 to 4 unit residential	0	0	5	0	5	0	1
other residential	0	0	0	0	0	0	0
non-residential	0	0	5	0	5	0	1
not reported	0	0	0	0	0	0	0

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

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

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

In this county 2 properties are FMA repetitive loss but not NFIP repetitive loss, and 42 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment, organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B. Each section heading names the item its tables support; the plan and FEMA's review decide whether the item is met.

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

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

OpenFEMA disclaimer

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

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

Hazard Plain release 2026-10. As of 2026-09-30; Storm Events data through 2026-06-30. Automated baseline.