

Riverside County, CA

Risk-assessment baseline packet

County FIPS: 06065 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 2028-04-17. Plan: Riverside County (FEMA plan 109847), approved 2023-04-18.

Since the plan was approved on 2023-04-18: 4 new hazard declarations (4 incidents): DR-4750-CA (Tropical Storm Hilary), FM-5515-CA (Hawarden Fire), FM-5538-CA (Airport Fire), FM-5636-CA (Bain Fire).

NOAA Storm Events records since that date: 183 records (data through 2026-06-30).

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$1,127,003,661 a year), Earthquake (\$763,784,550) and Wildfire (\$346,642,805).

Repetitive-loss flood properties now: FMA RL 2, SRL 4 (44 CFR 77.2); any definition: 69.

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; 06065 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 2028-04-17	Plan:	Riverside County (FEMA plan 109847)
Approved:	2023-04-18	Days to expiry:	565

What changed since your last plan (approved 2023-04-18)

New federal declarations:	4 new hazard declarations (4 incidents): DR-4750-CA (Tropical Storm Hilary), FM-5515-CA (Hawarden Fire), FM-5538-CA (Airport Fire), FM-5636-CA (Bain Fire)	Storm Events records since approval:	183 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 2, SRL 4 (44 CFR 77.2); any definition: 69	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: 40 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 negative = days since expiry	Notes
Riverside County	County	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	
Banning city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-08-08
Beaumont city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-01-19
Blythe city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2025-01-07
Calimesa city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-04-10
Cathedral City city	City	Approved, expires 2030-10-06	Cathedral City (FEMA plan 111095)	2025-10-07	2030-10-06	1,467	
Coachella city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-03-15
Corona city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-10-07
Desert Hot Springs city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-10-07
Eastvale city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2023-11-22
Indian Wells city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-03-04
Indio city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-10-08
Jurupa Valley city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2023-11-22
La Quinta city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-08-01
Lake Elsinore city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-06-14
Menifee city	City	Approved, expires 2028-03-23	Menifee, City of (FEMA plan 108213)	2023-03-24	2028-03-23	540	
Moreno Valley city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2023-08-02
Murrieta city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-10-10
Norco city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-04-08
Palm Desert city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-07-08

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Notes
						negative = days since expiry	
Palm Springs city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-04-30
Perris city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-05-07
Rancho Mirage city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-09-23
Riverside city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2025-04-07
Temecula city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2023-08-02
Wildomar city	City	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2023-01-19
Beaumont Unified School District	School/School District	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2023-09-07
Hemet Unified School District	School/School District	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-04-18
San Jacinto Unified School District	School/School District	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-10-31
Coachella Valley Water District	Water/Sewer Authority	Approved, expires 2029-04-09	Coachella Valley Water District (FEMA plan 109610)	2024-04-10	2029-04-09	922	
Eastern Municipal Water District	Water/Sewer Authority	Approved, expires 2029-11-12	Eastern Municipal Water District (FEMA plan 109662)	2024-11-13	2029-11-12	1,139	
Elsinore Valley Municipal Water District	Water/Sewer Authority	Approved, expires 2027-10-20	Elsinore Valley Municipal Water District (FEMA plan 108429)	2022-10-21	2027-10-20	385	
Idyllwild Fire Protection District	Fire/EMS District	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-11-13
Imperial Irrigation District	Water/Sewer Authority	Approved, expires 2030-10-07	Imperial Irrigation District (FEMA plan 111027)	2025-10-08	2030-10-07	1,468	
Joshua Basin Water District	Water/Sewer Authority	Approved, expires 2029-09-09	Joshua Basin Water District (FEMA plan 110064)	2024-09-10	2029-09-09	1,075	
Jurupa Community Services District	Community Services District	Expired on 2026-04-28	Jurupa Community Services District (FEMA plan 107043)	2021-04-29	2026-04-28	-155	
Mission Springs Water District	Water/Sewer Authority	Approved, expires 2027-05-19	Mission Springs Water District (FEMA plan 108103)	2022-05-20	2027-05-19	231	
Rancho California Water District	Water/Sewer Authority	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2023-11-22
Rubidoux Community Services District	Special District	Approved, expires 2031-06-02	Rubidoux Community Service District (FEMA plan 111803)	2026-06-03	2031-06-02	1,706	
Western Municipal Water District	Water/Sewer Authority	Approved, expires 2028-04-17	Riverside County (FEMA plan 109847)	2023-04-18	2028-04-17	565	this jurisdiction approved 2024-04-12

Plan 109847 covers 2 other participants: Morongo Band of Mission Indians, California; Twenty-Nine Palms Band of Mission Indians of California.

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	\$1,118,828,946	\$419,791	\$7,754,924	\$1,127,003,661	430	
2	Earthquake	Very High	Very High	\$582,072,226	n/a	\$181,712,324	\$763,784,550		Storm Events does not record earthquakes.
3	Wildfire	Very High	Very High	\$327,560,330	\$28,066	\$19,054,409	\$346,642,805	220	
4	Heat Wave	Relatively High	Relatively High	\$23,141	\$527,804	\$17,841,678	\$18,392,623	159	
5	Tornado	Relatively Moderate	Relatively Moderate	\$4,435,036	\$2,300	\$1,416,856	\$5,854,192	20	
6	Landslide	Relatively High	Relatively Moderate	\$1,062,136	n/a	\$15,188	\$1,077,324	35	
7	Hail	Relatively Moderate	Relatively Moderate	\$949,696	\$6,151	\$33,863	\$989,710	22	
8	Lightning	Relatively Moderate	Relatively Moderate	\$14,180	n/a	\$782,857	\$797,037	35	
9	Strong Wind	Relatively Moderate	Relatively Moderate	\$316,978	\$10,420	\$286,557	\$613,956	612	Includes 405 High Wind and 63 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Drought	Relatively Low	Relatively Low	n/a	\$220,571	n/a	\$220,571	26	
11	Cold Wave	Very Low	Relatively Low	\$638	\$67,121	\$71,095	\$138,854	16	Includes 7 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
12	Winter Weather	Relatively Moderate	Relatively Moderate	\$1,311	under \$1	\$117,652	\$118,964	99	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
13	Hurricane	Very Low	Very Low	\$966	\$1,706	\$0	\$2,672	1	
14	Avalanche	Very Low	Very Low	\$19	n/a	\$633	\$652	1	
15	Volcanic Activity	Very Low	Very Low	under \$1	n/a	\$72	\$72	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Coastal Flooding	Not Applicable	Not Applicable					0	Declared 2 times; 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: ice storm and tsunامي. 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, 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 456.17 (Very Low, 46.9); tract 472.02 (Very Low, 46.7); tract 444.03 (Very Low, 45.5)
Coastal Flooding	no tract has a National Risk Index rating for this hazard
Earthquake	tract 303 (Very High, 100.0); tract 406.18 (Very High, 99.8); tract 445.05 (Very High, 99.7)
Hurricane	tract 459 (Very Low, 31.7); tract 470 (Very Low, 27.6); tract 444.03 (Very Low, 19.0)
Landslide	tract 469 (Very High, 100.0); tract 444.05 (Relatively High, 99.5); tract 444.03 (Relatively Moderate, 98.9)
Tornado	tract 406.18 (Relatively Moderate, 55.1); tract 512 (Relatively Moderate, 54.6); tract 426.25 (Relatively Low, 47.0)
Volcanic Activity	tract 455.01 (Very Low, 75.1); tract 452.09 (Very Low, 74.5); tract 449.11 (Very Low, 73.5)
Wildfire	tract 432.72 (Very High, 100.0); tract 438.13 (Very High, 100.0); tract 438.23 (Very High, 100.0)

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 456.17 is Census Tract 456.17). 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)	1 record, 2023 (1 zone-level)		No damage reported in 1 record.		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	9 records, 2002 to 2022 (9 zone-level)	1 day to 6 days (median 2 days); 5 with a recorded value	6 consecutive days, 2002-01-28 to 2002-02-02, zone-level		Countywide (zone-level records).	Wind chill: in event narratives only (local data needed). Cold/ Wind Chill records from May to September (a frost night, not a cold wave) are counted but not used for the longest run.
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	7 records, 2004 to 2022 (7 zone-level)		Frost/Freeze, 2007-01-14, \$68,850,000 crop damage (2007 dollars); NWS zone CAZ061		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 245 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; \$2,000,000 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)	31 records, 1960 to 2025	0.5 in to 2.75 in (median 0.88 in); 30 with a recorded value	2.75 in hail, 1960-09-02	Hail, 2024-09-08, \$20,000 property; \$0 crops (2024 dollars)	Event records naming jurisdictions in the plan: Murrieta city (3 records), Indio city (2 records), Beaumont city (1 record), Calimesa city (1 record), Corona city (1 record), La Quinta city (1 record), Menifee city (1 record), Palm Desert city (1 record), Wildomar 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
Excessive Heat, Heat	heat index (in event narratives)	159 records, 1997 to 2025 (159 zone-level)	1 day to 13 days (median 3 days); 89 with a recorded value	13 consecutive days, 2024-06-30 to 2024-07-12, 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.
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 CAZ057		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.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	430 records, 1997 to 2025 (2 zone-level)		Flash Flood, 2019-02-14, \$70,000,000 property; \$0 crops (2019 dollars)		Event records naming jurisdictions in the plan: Palm Springs city (19 records), Cathedral City city (13 records), Temecula city (11 records), Perris city (10 records), Indio city (9 records), Moreno Valley city (9 records), Banning city (8 records), Coachella city (8 records), Palm Desert city (8 records), Calimesa city (7 records); and 13 more jurisdictions (see the Excel file). Zone-level records (2) 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)	35 records, 2003 to 2025 (8 zone-level)		Debris Flow, 2005-02-20, \$300,000 property; crops not reported (2005 dollars), 1 direct death (reported for the zone); NWS zone CAZ057		Event records naming jurisdictions in the plan: Corona city (2 records), Murrieta city (2 records), Palm Desert city (2 records), Desert Hot Springs city (1 record), Indio city (1 record), La Quinta city (1 record). Zone-level records (8) apply countywide.	Physical measure: in event narratives only (local data needed).
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	35 records, 1996 to 2024		Lightning, 2003-07-30, damage not reported, 1 direct death	Lightning, 2009-06-03, \$105,000 property; \$0 crops (2009 dollars)	Event records naming jurisdictions in the plan: Cathedral City city (3 records), Desert Hot Springs city (3 records), Banning city (2 records), Moreno Valley city (2 records), Palm Desert city (2 records), Palm Springs city (2 records), Corona city (1 record), Indio city (1 record), Murrieta city (1 record), Norco 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)	468 records, 1996 to 2026 (466 zone-level)	24 kt (28 mph) to 104 kt (120 mph) (median 58 kt (67 mph)); 466 with a recorded value	104 kt (120 mph), measurement type not recorded, High Wind, 1999-12-03; NWS zone CAZ057	High Wind, 2007-10-21, \$35,000,000 property; \$0 crops, reported for the zone (2007 dollars)	Event records naming jurisdictions in the plan: Moreno Valley city (1 record). Zone-level records (466) apply countywide.	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Thunderstorm Wind	wind speed (kt and mph)	169 records, 1973 to 2026	26 kt (30 mph) to 88 kt (101 mph) (median 52 kt (60 mph)); 156 with a recorded value	88 kt (101 mph), measurement type not recorded, Thunderstorm Wind, 1973-08-03	Thunderstorm Wind, 2019-07-23, \$8,000,000 property; \$0 crops (2019 dollars)	Event records naming jurisdictions in the plan: Blythe city (13 records), Perris city (11 records), La Quinta city (5 records), Lake Elsinore city (4 records), Murrieta city (4 records), Banning city (3 records), Desert Hot Springs city (3 records), Menifee city (3 records), Palm Desert city (3 records), Palm Springs city (3 records); and 9 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	27 records, 1955 to 2022	F/EF0 to F/EF3 (median F/EF0); 25 with a recorded value	F3 tornado, 1973-08-16, 33 yd wide, \$25,000 property; crops not recorded (1973 dollars)	Tornado, 2015-08-06, \$18,000,000 property; \$0 crops (2015 dollars)	Event records naming jurisdictions in the plan: Lake Elsinore city (2 records), Perris city (2 records), Menifee city (1 record), Temecula 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)	220 records, 1996 to 2025 (124 zone-level)		Wildfire, 2024-09-09, \$50,000,000 property; \$0 crops (2024 dollars), 22 direct injuries (reported for the zone); NWS zone CAZ057		Event records naming jurisdictions in the plan: Corona city (9 records), Moreno Valley city (8 records), Norco city (7 records), Banning city (6 records), Temecula city (6 records), Lake Elsinore city (5 records), Riverside city (4 records), Beaumont city (3 records), Calimesa city (3 records), Perris city (3 records); and 5 more jurisdictions (see the Excel file). Zone-level records (124) 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)	99 records, 1996 to 2024 (99 zone-level)		Winter Storm, 2023-03-01, \$400,000 property; \$0 crops (2023 dollars); NWS zone CAZ056		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: 66 declarations covering 59 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
2026-05-20	2026-05-19	FM-5636-CA	Fire management	Bain Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2024-09-11	2024-09-11	FM-5538-CA	Fire management	Airport Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2024-07-21	2024-07-21	FM-5515-CA	Fire management	Hawarden Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2023-11-21	2023-08-19	DR-4750-CA	Major disaster	Tropical Storm Hilary	Hurricane (primary); also designated: Inland Flooding, Landslide	\$18,380,081.77	new since last plan; within last 5 years	
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	in the 12 months before plan approval; within last 5 years	
2022-09-06	2022-09-05	FM-5451-CA	Fire management	Fairview Fire	Wildfire	no Public Assistance recorded	in the 12 months before plan approval; within last 5 years	
2020-10-26	2020-10-26	FM-5381-CA	Fire management	Blue Ridge Fire	Wildfire	no Public Assistance recorded		
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	\$90,748,254.22		
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-5300-CA	Fire management	46 Fire	Wildfire	no Public Assistance recorded		
2019-10-30	2019-10-30	FM-5299-CA	Fire management	Hill Fire	Wildfire	no Public Assistance recorded		
2019-05-01	2019-02-13	DR-4431-CA	Major disaster	Severe Winter Storms, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Winter Weather	\$26,773,966.58		
2018-08-09	2018-08-09	FM-5268-CA	Fire management	Holy Fire	Wildfire	no Public Assistance recorded		
2018-07-25	2018-07-25	FM-5260-CA	Fire management	Cranston Fire	Wildfire	no Public Assistance recorded		
2017-12-08	2017-12-04	EM-3396-CA	Emergency	Wildfires	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>		
2017-10-09	2017-10-09	FM-5223-CA	Fire management	Canyon 2 Fire	Wildfire	no Public Assistance recorded		
2017-09-26	2017-09-25	FM-5213-CA	Fire management	Canyon Fire	Wildfire	no Public Assistance recorded		
2017-03-16	2017-01-18	DR-4305-CA	Major disaster	Severe Winter Storms, Flooding, and Mudslides	Inland Flooding (primary); also designated: Landslide, Winter Weather	\$3,232,766.70		
2013-08-08	2013-08-07	FM-5041-CA	Fire management	Silver Fire	Wildfire	no Public Assistance recorded		
2013-08-06	2013-08-05	FM-5040-CA	Fire management	Falls Fire	Wildfire	no Public Assistance recorded		
2013-05-01	2013-05-01	FM-5023-CA	Fire management	Summit 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	\$4,155,412.20		
2010-03-08	2010-01-17	DR-1884-CA	Major disaster	Severe Winter Storms, Flooding, and Debris and Mud Flows	Inland Flooding; Winter Weather	\$1,611,790.43		
2008-11-18	2008-11-13	DR-1810-CA	Major disaster	Wildfires	Wildfire	\$75,746.67		
2008-11-15	2008-11-15	FM-2792-CA	Fire management	Freeway Fire Complex	Wildfire	no Public Assistance recorded		same incident as DR-1810
2007-10-24	2007-10-21	DR-1731-CA	Major disaster	Wildfires, Flooding, Mud Flows, and Debris Flows	Wildfire	\$377,332.54		
2007-10-23	2007-10-21	EM-3279-CA	Emergency	Wildfires	Wildfire	no Public Assistance recorded		same incident as DR-1731
2007-03-13	2007-01-11	DR-1689-CA	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		
2006-10-26	2006-10-26	FM-2678-CA	Fire management	Esperanza Fire	Wildfire	no Public Assistance recorded		
2006-09-17	2006-09-16	FM-2676-CA	Fire management	Orchard Fire	Wildfire	no Public Assistance recorded		
2006-02-06	2006-02-06	FM-2630-CA	Fire management	Sierra Fire	Wildfire	no Public Assistance recorded		
2005-10-06	2005-10-05	FM-2584-CA	Fire management	Woodhouse Fire	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	\$233,086.19		
2005-04-14	2005-02-16	DR-1585-CA	Major disaster	Severe Storms, Flooding, Landslides, and Mud and Debris Flows	Inland Flooding; Landslide	\$2,317,800.43		
2005-02-04	2004-12-27	DR-1577-CA	Major disaster	Severe Storms, Flooding, Debris Flows, and Mudslides	Inland Flooding; Landslide	\$17,631,745.23		
2004-07-18	2004-07-17	FM-2533-CA	Fire management	Ca-Melton Wildfire-07-18-2004	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>		
2004-07-14	2004-07-13	FM-2530-CA	Fire management	Ca-Lakeview-07-14-2004	Wildfire	no Public Assistance recorded		
2004-05-04	2004-05-03	FM-2517-CA	Fire management	Ca-Cerritos Fire-5-04-2004	Wildfire	no Public Assistance recorded		
2004-05-04	2004-05-02	FM-2516-CA	Fire management	Ca-Eagle Fire-05-04-2004	Wildfire	no Public Assistance recorded		
2004-04-26	2004-04-25	FM-2515-CA	Fire management	Ca - Pleasure Fire - 04-25-2004	Wildfire	no Public Assistance recorded		
2003-10-27	2003-10-21	DR-1498-CA	Major disaster	Wildfires, Flooding, Mudflow and Debris Flow Directly Related T	Wildfire	\$197,163.63		
2003-10-26	2003-10-26	FM-2507-CA	Fire management	Ca-Mountain Fire-10-26-2003	Wildfire	no Public Assistance recorded		same incident as DR-1498
2003-10-21	2003-10-21	FM-2500-CA	Fire management	Pass Fire	Wildfire	no Public Assistance recorded		same incident as DR-1498
2003-08-19	2003-08-18	FM-2491-CA	Fire management	Ca-Locust Wildfire-08-19-2003	Wildfire	no Public Assistance recorded		
2003-07-25	2003-07-25	FM-2487-CA	Fire management	Canyon Fire	Wildfire	no Public Assistance recorded		
2003-07-03	2003-07-03	FM-2475-CA	Fire management	Ca-Railroad Fire-07-03-2003	Wildfire	no Public Assistance recorded		
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		
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	no Public Assistance recorded		
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		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1979-07-27	1979-07-27	DR-594-CA	Major disaster	Heavy Rains, Flash Floods & Mud Flows	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		
1969-01-26	1969-01-26	DR-253-CA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
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: \$17,582,519.81 (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.

Public Assistance filed under this county for declarations that do not list it: 1 row, \$51,656.25

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4699-CA	2023-04-03	Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Coachella Valley Unified School District	\$51,656.25

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.

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	1	0	1	1	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	16	0	0	4	2	0	1996 to 2026-06-30	Includes 7 Frost/Freeze records.
Drought	26	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	1	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	31	5	0	5	0	0	1955 to 2026-06-30	
Heat Wave	159	30	15	51	0	0	1996 to 2026-06-30	
Hurricane	1	1	0	1	2	1	1996 to 2026-06-30	
Inland Flooding	430	54	52	113	22	1	1996 to 2026-06-30	
Landslide	35	1	8	9	14	1	1996 to 2026-06-30	
Lightning	35	1	1	2	0	0	1996 to 2026-06-30	
Strong Wind	637	61	46	137	0	0	1955 to 2026-06-30	Includes 405 High Wind and 63 Strong Wind records.
Tornado	27	0	2	2	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

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
Wildfire	220	21	2	25	34	3	1996 to 2026-06-30	
Winter Weather	99	9	11	22	9	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2024-09-09	Wildfire		\$50,000,000 property; \$0 crops, reported for the zone (2024 dollars)	0, 22	NWS zone CAZ057 (SANTA ANA MOUNTAINS AND FOOTHILLS), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Wildfire
2024-06-30	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2024 dollars)	0, 0	NWS zone CAZ569 (PALO VERDE VALLEY), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2019-02-14	Flash Flood		\$70,000,000 property; \$0 crops (2019 dollars)	0, 0	EL CERRITO to DURANT		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
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
2006-10-26	Wildfire		\$10,300,000 property; \$0 crops, reported for the zone (2006 dollars)	5, 0	NWS zone CAZ056 (RIVERSIDE COUNTY MOUNTAINS), zone-level		deaths or injuries recorded
2005-02-20	Debris Flow		\$300,000 property; crops not reported, reported for the zone (2005 dollars)	1, 0	NWS zone CAZ057 (NE ORANGE), zone-level		B1-c worst recorded: Debris Flow
2003-07-30	Lightning		damage not reported	1, 0	ROMOLAND		B1-c worst recorded: Lightning
2000-03-08	Flood		\$60,000 property; crops not reported (2000 dollars)	2, 4	ELSINORE		deaths or injuries recorded
1999-12-03	High Wind	104 kt (120 mph), measurement type not recorded	\$20,000 property; crops not reported, reported for the zone (1999 dollars)	0, 0	NWS zone CAZ057 (SANTA ANA MOUNTAINS AND FOOTHILLS), zone-level		B1-c worst recorded: High Wind and Strong Wind
1973-08-16	Tornado	F3, 33 yd wide	\$25,000 property; crops not recorded (1973 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado
1973-08-03	Thunderstorm Wind	88 kt (101 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1960-09-02	Hail	2.75 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,717 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	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
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	0.0125	event-days per year	about 0.0125 days per year	Likely (from Storm Events: 5 of 30 years)	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	0.235	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	57.4	event-days per year	about 57.4 days per year	Likely (from Storm Events: 3 of 30 years)	event-days in 3 of 30 years, 1996 to 2025 (10%)	3,696	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.118	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 11.8%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.084	events per year	about 1 in 12 years	Possible	FEMA annualized frequency (modeled)	3.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	13.8	event-days per year	about 13.8 days per year	Likely (from Storm Events: 20 of 30 years)	event-days in 20 of 30 years, 1996 to 2025 (66.7%)	115	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0142	events per year	about 1 in 70 years	Possible	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.
Inland Flooding	7.36	event-days per year	about 7.36 days per year	Highly likely (from Storm Events: 29 of 30 years)	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	206	1996 to 2023 (28 years)	see B1-f	
Landslide	21.8	events per year (modeled)	about 21.8 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	13.8	days per year with a strike	about 13.8 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.229	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	9	1986 to 2023 (38 years)	countywide	
Tornado	0.448	events per year	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Volcanic Activity	0.0001	annual probability	about 1 in 10,000 years	Unlikely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.0194	annual probability at a location	chance a given location in the county burns in a year: 1.94%	Highly likely (from Storm Events: 28 of 30 years)	Storm Events records in 28 of 30 years, 1996 to 2025 (93.3%)	not shown	modeled	see B1-f	Descriptor from Storm Events, not NRI.
Winter Weather	2.4	event-days per year	about 2.4 days per year	Highly likely (from Storm Events: 29 of 30 years)	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	45.2	2005-11-12 to 2024-11-12 (19 years)	countywide	

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

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

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

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

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	8	30	0.267
Hail	2.00 in+	1996 to 2025	0	30	0
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	12	30	0.4
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	33	30	1.1
Tornado	EF0-1	1996 to 2025	18	30	0.6
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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	23 of 518	35.5	41.8	46.9	Very Low 23, Not Applicable 495
Coastal Flooding	0 of 518				Not Applicable 518
Cold Wave	17 of 518	15.6	20.6	66.4	Relatively Moderate 1, Relatively Low 8, Very Low 8, No Rating 501
Drought	170 of 518	66.8	72.2	94.8	Relatively Moderate 2, Relatively Low 34, Very Low 134, No Rating 348
Earthquake	518 of 518	59.1	91.7	100.0	Very High 83, Relatively High 287, Relatively Moderate 143, Relatively Low 5
Hail	518 of 518	3.7	27.8	63.4	Relatively Low 45, Very Low 473
Heat Wave	518 of 518	1.7	46.4	88.5	Relatively High 1, Relatively Moderate 122, Relatively Low 389, Very Low 6
Hurricane	518 of 518	9.3	10.6	31.7	Very Low 518
Inland Flooding	518 of 518	1.3	91.2	100.0	Very High 167, Relatively High 213, Relatively Moderate 98, Relatively Low 37, Very Low 3
Landslide	412 of 518	8.6	42.8	100.0	Very High 1, Relatively High 1, Relatively Moderate 21, Relatively Low 61, Very Low 328, No Rating 106
Lightning	518 of 518	0.2	9.7	28.9	Relatively Low 20, Very Low 498
Strong Wind	518 of 518	0.7	10.2	25.2	Relatively Low 2, Very Low 516
Tornado	518 of 518	2.4	22.5	55.1	Relatively Moderate 2, Relatively Low 81, Very Low 435
Volcanic Activity	87 of 518	40.3	60.1	75.1	Very Low 87, No Rating 431
Wildfire	434 of 518	18.6	92.2	100.0	Very High 69, Relatively High 91, Relatively Moderate 90, Relatively Low 106, Very Low 78, No Rating 84
Winter Weather	510 of 518	10.7	18.7	70.4	Relatively Moderate 4, Relatively Low 276, Very Low 230, No Rating 8

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
Riverside County	County	Approved, expires 2028-04-17	FMA RL 2, SRL 1; any 19	\$76,615,623.13	0 total; 0 since its plan	Includes \$67,938,877.97 for declarations not counted as hazard incidents (DR-4482-CA, EM-3248-CA).
Banning city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$770,469.45	19 total; 2 since its plan	Includes \$74,178.89 for declarations not counted as hazard incidents (DR-4482-CA).
Beaumont city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$517,124.26	7 total; 0 since its plan	Includes \$46,015.36 for declarations not counted as hazard incidents (DR-4482-CA).
Blythe city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$15,015.92	16 total; 0 since its plan	Includes \$15,015.92 for declarations not counted as hazard incidents (DR-4482-CA).
Calimesa city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$277,791.46	12 total; 0 since its plan	Includes \$35,011.87 for declarations not counted as hazard incidents (DR-4482-CA).
Cathedral City city	City	Approved, expires 2030-10-06	FMA RL 0, SRL 0; any 0	\$2,745,036.09	16 total; 0 since its plan	Includes \$252,127.40 for declarations not counted as hazard incidents (DR-4482-CA).
Coachella city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$734,884.85	10 total; 4 since its plan	
Corona city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 9	\$1,082,697.43	19 total; 0 since its plan	
Desert Hot Springs city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 1	\$1,359,833.09	15 total; 0 since its plan	Includes \$18,725.97 for declarations not counted as hazard incidents (DR-4482-CA).
Eastvale city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Indian Wells city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 1	\$4,479,121.99	4 total; 0 since its plan	
Indio city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$1,375,373.27	15 total; 1 since its plan	Includes \$122,160 for declarations not counted as hazard incidents (DR-4482-CA).
Jurupa Valley city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
La Quinta city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 2	\$410,454.21	12 total; 1 since its plan	Includes \$60,650.78 for declarations not counted as hazard incidents (DR-4482-CA).
Lake Elsinore city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 2; any 8	\$563,119.63	18 total; 0 since its plan	
Menifee city	City	Approved, expires 2028-03-23	FMA RL 0, SRL 0; any 0	\$335,120.02	7 total; 1 since its plan	
Moreno Valley city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$2,260,838.56	21 total; 1 since its plan	Includes \$2,121,891.35 for declarations not counted as hazard incidents (DR-4482-CA).
Murrieta city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 1	\$223,700.27	18 total; 2 since its plan	Includes \$100,744.05 for declarations not counted as hazard incidents (DR-4482-CA).

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Norco city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 2	\$303,084.88	10 total; 0 since its plan	Includes \$33,486.09 for declarations not counted as hazard incidents (DR-4482-CA).
Palm Desert city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 13	\$321,624.85	16 total; 3 since its plan	Includes \$308,182.17 for declarations not counted as hazard incidents (DR-4482-CA).
Palm Springs city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 1; any 3	\$717,011.70	25 total; 0 since its plan	Includes \$160,391.47 for declarations not counted as hazard incidents (DR-4482-CA).
Perris city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$563,085.60	27 total; 7 since its plan	Includes \$404,995.17 for declarations not counted as hazard incidents (DR-4482-CA).
Rancho Mirage city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 7	\$9,143,083.63	4 total; 1 since its plan	Includes \$8,725,364.87 for declarations not counted as hazard incidents (DR-4482-CA).
Riverside city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 2	\$4,590,698	12 total; 1 since its plan	Includes \$2,021,247.83 for declarations not counted as hazard incidents (DR-4482-CA).
Temecula city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$1,105,309.34	20 total; 1 since its plan	Includes \$125,321.17 for declarations not counted as hazard incidents (DR-4482-CA).
Wildomar city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$189,252.10	5 total; 1 since its plan	Includes \$24,140 for declarations not counted as hazard incidents (DR-4482-CA).

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 2023-04-18 <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	\$27,008,292	n/a	1	\$19	n/a	\$633	under 0.0001%				
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$4,828,141,565	\$62,237,679	18,787	\$638	\$67,121	\$71,095	under 0.0001%				
Drought	n/a	\$828,737,273	n/a	n/a	\$220,571	n/a	0.0266% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$792,597,444,699	n/a	2,418,185	\$582,072,226	n/a	\$181,712,324	0.0734%				
Hail	\$470,055,458,576	\$1,200,000,752	2,416,838	\$949,696	\$6,151	\$33,863	0.000202%	\$60,000			
Heat Wave	\$470,055,458,576	\$1,200,000,752	2,416,838	\$23,141	\$527,804	\$17,841,678	under 0.0001%		\$10,000		
Hurricane	\$470,055,458,576	\$1,200,000,752	2,416,838	\$966	\$1,706	\$0	under 0.0001%		\$0	\$18,380,081.77	

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 2023-04-18 <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	\$469,961,831,147	\$194,897,479	43,599	\$1,118,828,946	\$419,791	\$7,754,924	n/a (see note)	\$90,000		\$18,380,081.77	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	\$17,269,733,273	n/a	84,234	\$1,062,136	n/a	\$15,188	0.00615%	\$0		\$18,380,081.77	
Lightning	\$470,055,458,576	n/a	2,416,838	\$14,180	n/a	\$782,857	under 0.0001%	\$1,000			
Strong Wind	\$470,055,458,576	\$1,200,000,752	2,416,838	\$316,978	\$10,420	\$286,557	under 0.0001%	\$142,000	\$448,000		Storm Events damage since the plan includes 6 zone-level High Wind records (\$361,000) and 7 zone-level Strong Wind records (\$87,000): NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition.
Tornado	\$470,055,458,576	\$1,200,000,752	2,416,838	\$4,435,036	\$2,300	\$1,416,856	0.000944%				
Volcanic Activity	\$470,055,458,576	n/a	2,416,838	under \$1	n/a	\$72	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 2023-04-18 <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	\$50,336,067,625	\$582,262,424	370,831	\$327,560,330	\$28,066	\$19,054,409	0.651%	\$83,350,000		no Public Assistance recorded (3 declarations)	
Winter Weather	\$464,158,365,843	\$782,083,167	2,392,311	\$1,311	under \$1	\$117,652	under 0.0001%	\$0			

Totals since 2023-04-18 (Storm Events through 2026-06-30): 77 county-coded records, 74 with a damage value recorded (including \$0), \$293,000; 106 zone-level records, 97 with a damage value recorded (including \$0), \$83,808,000 reported for the zone; Public Assistance: \$18,380,081.77 on 4 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	2,416,838
Building value (total, not at risk)	\$470,055,458,576
Agriculture value (total, not at risk)	\$1,200,000,752
NRI risk rating (all hazards)	Very High
Expected annual loss, buildings and agriculture, all hazards	\$2,036,549,533
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)	\$229,088,110
Social vulnerability rating	Relatively Low
Community resilience rating	Very 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)	2	Severe repetitive loss, FMA definition (44 CFR 77.2)	4
Repetitive loss, NFIP insurance definition	67	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 <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	2	4	67	3	69	1	20
of which: Riverside County (unincorporated area)	2	1	19	1	19	0	11
of which: Corona city	0	0	9	0	9	0	4
of which: Desert Hot Springs city	0	0	1	0	1	0	1
of which: Indian Wells city	0	0	1	0	1	0	0
of which: Norco city	0	0	2	0	2	0	0
of which: Palm Springs city	0	1	2	1	3	0	1
of which: Rancho Mirage city	0	0	7	0	7	0	0
of which: Riverside city	0	0	2	0	2	0	0
of which: Palm Desert city	0	0	13	0	13	0	0
of which: Lake Elsinore city	0	2	7	1	8	1	1
of which: La Quinta city	0	0	2	0	2	0	2
of which: Murrieta city	0	0	1	0	1	0	0
of which: Agua Caliente Band of Cahuilla Indians Tribe (community ID not in plan data)	0	0	1	0	1	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>
Riverside County	060245	2	1	19	1	19	0	11
Banning city	060246	0	0	0	0	0	0	0
Beaumont city	060247	0	0	0	0	0	0	0
Blythe city	060248	0	0	0	0	0	0	0
Calimesa city	060740	0	0	0	0	0	0	0
Cathedral City city	060704	0	0	0	0	0	0	0
Coachella city	060249	0	0	0	0	0	0	0
Corona city	060250	0	0	9	0	9	0	4
Desert Hot Springs city	060251	0	0	1	0	1	0	1
Eastvale city	060155	0	0	0	0	0	0	0
Indian Wells city	060254	0	0	1	0	1	0	0
Indio city	060255	0	0	0	0	0	0	0
Jurupa Valley city	060286	0	0	0	0	0	0	0
La Quinta city	060709	0	0	2	0	2	0	2
Lake Elsinore city	060636	0	2	7	1	8	1	1
Menifee city	060176	0	0	0	0	0	0	0
Moreno Valley city	065074	0	0	0	0	0	0	0
Murrieta city	060751	0	0	1	0	1	0	0
Norco city	060256	0	0	2	0	2	0	0
Palm Desert city	060629	0	0	13	0	13	0	0
Palm Springs city	060257	0	1	2	1	3	0	1
Perris city	060258	0	0	0	0	0	0	0
Rancho Mirage city	060259	0	0	7	0	7	0	0
Riverside city	060260	0	0	2	0	2	0	0
Temecula city	060742	0	0	0	0	0	0	0
Wildomar city	060221	0	0	0	0	0	0	0

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

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

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	2	3	45	2	47	1	11
2 to 4 unit residential	0	0	2	0	2	0	1
other residential	0	0	4	0	4	0	4
non-residential	0	1	16	1	16	0	4
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 65 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_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).

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Riverside County, CA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 06065). Automated baseline. <https://hazardplain.org/ca/06065/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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

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