

Los Angeles County, CA

Risk-assessment baseline packet

Unit **County area 06037** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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

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

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Plan clock

Status	Approved, expires 2030-09-15	Plan	Los Angeles County (FEMA plan 110878)
Approved	2025-09-16	Expires	2030-09-15
As of	2026-09-28	Days	1,448 days to expiry

What changed since your last plan (approved 2025-09-16)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	61 (data through 2026-06-30)
Repetitive loss now	FMA RL 2, SRL 43 (44 CFR 77.2); any definition: 463	Repeat-flood change	First release: no prior release to compare.

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

Plan status for every jurisdiction listed in this county: 127 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

CONTENTS

1. Plan clock, page 1
2. What changed since your last plan (approved 2025-09-16), page 1
3. Supports B1-a: hazards, page 7
4. Supports B1-b: location, page 9
5. Supports B1-c: extent, page 10
6. Supports B1-d: previous occurrences, page 13
7. Supports B1-e: probability, page 21
8. Supports B1-f: variation across the planning area, page 24
9. Supports B2-a and B2-b: assets and impacts, page 30
10. Supports B2-a: context, page 32
11. Supports B2-c: repetitive loss, page 32
12. Sources and OpenFEMA disclaimer, page 37

Plan clock

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Los Angeles County	County	Approved, expires 2030-09-15	Los Angeles County (FEMA plan 110878)	2025-09-16	2030-09-15	1,448		
Agoura Hills city	City	Approved, expires 2029-08-12	Las Virgenes Malibu Council of Governments (FEMA plan 110094)	2024-08-13	2029-08-12	1,049		member approved 2024-09-10
Alhambra city	City	Approved, expires 2031-03-17	Alhambra, City of (FEMA plan 111306)	2026-03-18	2031-03-17	1,631		
Arcadia city	City	Approved, expires 2027-05-10	Arcadia, City of (FEMA plan 107553)	2022-05-11	2027-05-10	224		
Artesia city	City	Expired on 2025-11-29	Artesia, City of (FEMA plan 106630)	2020-11-30	2025-11-29	-303		
Avalon 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.
Azusa city	City	Expired on 2024-11-03	Azusa, City of (FEMA plan 105677)	2019-11-04	2024-11-03	-694		
Bell city	City	Approved, expires 2031-07-27	Bell, City of (FEMA plan 111868)	2026-07-28	2031-07-27	1,763		
Bellflower 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.
Beverly Hills city	City	Approved, expires 2031-01-08	Beverly Hills, City of (FEMA plan 111308)	2026-01-09	2031-01-08	1,563		member approved 2026-01-06
Bradbury city	City	Approved, expires 2030-04-14	Bradbury, City of (FEMA plan 110325)	2025-04-15	2030-04-14	1,294		
Burbank city	City	Approved, expires 2028-04-06	Burbank, City of (FEMA plan 108721)	2023-04-07	2028-04-06	556		
Calabasas city	City	Approved, expires 2029-08-12	Las Virgenes Malibu Council of Governments (FEMA plan 110094)	2024-08-13	2029-08-12	1,049		member approved 2024-09-17
Carson city	City	Approved, expires 2030-09-25	Carson, City of (FEMA plan 110453)	2025-09-26	2030-09-25	1,458		
Cerritos city	City	Approved, expires 2028-04-17	Cerritos, City of (FEMA plan 108848)	2023-04-18	2028-04-17	567		
Claremont city	City	Approved, expires 2027-03-07	Claremont, City of (FEMA plan 107926)	2022-03-08	2027-03-07	160		
Compton city	City	Approved, expires 2028-04-17	Compton, City of (FEMA plan 108881)	2023-04-18	2028-04-17	567		
Covina city	City	Expired on 2025-11-09	Covina, City of (FEMA plan 106733)	2020-11-10	2025-11-09	-323		
Cudahy city	City	Expired on 2023-12-09	Cudahy, City of (FEMA plan 104677)	2018-12-10	2023-12-09	-1,024		
Culver City city	City	Approved, expires 2029-08-28	Culver City, City of (FEMA plan 109852)	2024-08-29	2029-08-28	1,065		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Diamond Bar city	City	Approved, expires 2027-08-15	Diamond Bar, City of (FEMA plan 108117)	2022-08-16	2027-08-15	321		
Downey city	City	Approved, expires 2030-04-14	Downey, City of (FEMA plan 110299)	2025-04-15	2030-04-14	1,294		
Duarte city	City	Approved, expires 2031-01-27	Duarte, City of (FEMA plan 111391)	2026-01-28	2031-01-27	1,582		
El Monte city	City	Expired on 2022-06-13	El Monte, City of (FEMA plan 102498)	2017-06-14	2022-06-13	-1,568		
El Segundo city	City	Approved, expires 2030-12-18	El Segundo, City of (FEMA plan 111340)	2025-12-19	2030-12-18	1,542		
Gardena city	City	Approved, expires 2029-10-23	Gardena, City of (FEMA plan 109925)	2024-10-24	2029-10-23	1,121		
Glendale city	City	Expired on 2024-10-27	Glendale, City of (FEMA plan 105982)	2019-10-28	2024-10-27	-701		
Glendora city	City	Approved, expires 2031-02-10	Glendora, City of (FEMA plan 111161)	2026-02-11	2031-02-10	1,596		
Hawaiian Gardens city	City	Expired on 2010-06-23	Hawaiian Gardens, City of (FEMA plan 81251)	2005-06-23	2010-06-23	-5,941		
Hawthorne city	City	Expired on 2025-04-15	Hawthorne, City of (FEMA plan 106380)	2020-04-16	2025-04-15	-531		
Hermosa Beach city	City	Approved, expires 2030-06-18	Hermosa Beach, City of (FEMA plan 110509)	2025-06-19	2030-06-18	1,359		
Hidden Hills city	City	Approved, expires 2029-08-12	Las Virgenes Malibu Council of Governments (FEMA plan 110094)	2024-08-13	2029-08-12	1,049		
Industry city	City	Expired on 2010-05-10	Industry, City of (FEMA plan 81259)	2005-05-10	2010-05-10	-5,985		
Inglewood city	City	Approved, expires 2028-04-17	Inglewood, City of (FEMA plan 108854)	2023-04-18	2028-04-17	567		
Irwindale city	City	Expired on 2019-04-30	Irwindale, City of (FEMA plan 81262)	2014-04-30	2019-04-30	-2,708		
La Cañada Flintridge city	City	Approved, expires 2029-10-22	La Canada Flintridge, City of (FEMA plan 110072)	2024-10-23	2029-10-22	1,120		member approved 2024-10-22
La Habra Heights city	City	Approved, expires 2027-05-19	La Habra Heights, City of (FEMA plan 107925)	2022-05-20	2027-05-19	233		
La Mirada city	City	Approved, expires 2028-02-22	La Mirada, City of (FEMA plan 108544)	2023-02-23	2028-02-22	512		
La Puente city	City	Approved, expires 2031-02-22	La Puente, City of (FEMA plan 111363)	2026-02-23	2031-02-22	1,608		
La Verne 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.
Lakewood city	City	Approved, expires 2031-02-19	Lakewood, City of (FEMA plan 111365)	2026-02-20	2031-02-19	1,605		
Lancaster city	City	Approved, expires 2030-04-14	Lancaster, City of (FEMA plan 110415)	2025-04-15	2030-04-14	1,294		
Lawndale city	City	Expired on 2021-09-01	Lawndale, City of (FEMA plan 81278)	2016-09-01	2021-09-01	-1,853		
Lomita city	City	Approved, expires 2031-02-17	Lomita, City of (FEMA plan 111451)	2026-02-18	2031-02-17	1,603		
Long Beach city	City	Approved, expires 2028-03-01	Long Beach, City of (FEMA plan 108841)	2023-03-02	2028-03-01	520		
Los Angeles city	City	Approved, expires 2029-09-24	Los Angeles, City of (FEMA plan 110067)	2024-09-25	2029-09-24	1,092		member approved 2024-09-24
Lynwood city	City	Expired on 2026-02-18	Lynwood, City of (FEMA plan 107033)	2021-02-19	2026-02-18	-222		
Malibu city	City	Approved, expires 2029-08-12	Las Virgenes Malibu Council of Governments (FEMA plan 110094)	2024-08-13	2029-08-12	1,049		member approved 2024-09-17
Manhattan Beach city	City	Approved, expires 2030-02-02	Manhattan Beach, City of (FEMA plan 109805)	2025-02-03	2030-02-02	1,223		
Maywood city	City	Approved, expires 2031-02-25	Maywood, City of (FEMA plan 111452)	2026-02-26	2031-02-25	1,611		
Monrovia city	City	Approved, expires 2031-05-07	Monrovia, City of (FEMA plan 111788)	2026-05-08	2031-05-07	1,682		
Montebello city	City	Approved, expires 2030-09-03	Montebello, City of (FEMA plan 110606)	2025-09-04	2030-09-03	1,436		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Monterey Park city	City	Approved, expires 2030-05-11	Monterey Park, City of (FEMA plan 110683)	2025-05-12	2030-05-11	1,321		
Norwalk city	City	Approved, expires 2027-01-31	Norwalk, City of (FEMA plan 107839)	2022-02-01	2027-01-31	125		
Palmdale city	City	Approved, expires 2027-11-17	Palmdale, City of (FEMA plan 108318)	2022-11-18	2027-11-17	415		
Palos Verdes Estates city	City	Approved, expires 2031-06-11	Palos Verdes Peninsula (FEMA plan 111978)	2026-06-12	2031-06-11	1,717		
Paramount city	City	Approved, expires 2028-04-17	Paramount, City of (FEMA plan 108868)	2023-04-18	2028-04-17	567		
Pasadena city	City	Approved, expires 2031-02-01	Pasadena, City of (FEMA plan 110993)	2026-02-02	2031-02-01	1,587		
Pico Rivera city	City	Approved, expires 2030-11-18	Pico Rivera, City of (FEMA plan 111026)	2025-11-19	2030-11-18	1,512		
Pomona city	City	Approved, expires 2028-03-07	Pomona, City of (FEMA plan 108422)	2023-03-08	2028-03-07	526		
Rancho Palos Verdes city	City	Approved, expires 2031-06-11	Palos Verdes Peninsula (FEMA plan 111978)	2026-06-12	2031-06-11	1,717		
Redondo Beach city	City	Expired on 2025-09-10	Redondo Beach, City of (FEMA plan 106515)	2020-09-11	2025-09-10	-383		
Rolling Hills city	City	Approved, expires 2031-06-11	Palos Verdes Peninsula (FEMA plan 111978)	2026-06-12	2031-06-11	1,717		
Rolling Hills Estates city	City	Approved, expires 2031-06-11	Palos Verdes Peninsula (FEMA plan 111978)	2026-06-12	2031-06-11	1,717		
Rosemead city	City	Approved, expires 2029-11-13	Rosemead, City of (FEMA plan 110206)	2024-11-14	2029-11-13	1,142		member approved 2024-11-13
San Dimas city	City	Expired on 2015-05-10	San Dimas, City of (FEMA plan 81423)	2010-05-10	2015-05-10	-4,159		
San Fernando city	City	Approved, expires 2026-10-25	San Fernando, City of (FEMA plan 107570)	2021-10-26	2026-10-25	27		
San Marino city	City	Approved, expires 2030-04-14	San Marino, City of (FEMA plan 110424)	2025-04-15	2030-04-14	1,294		
Santa Clarita city	City	Approved, expires 2026-11-11	Santa Clarita, City of (FEMA plan 107777)	2021-11-12	2026-11-11	44	FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Santa Fe Springs city	City	Approved, expires 2030-12-01	Santa Fe Springs, City of (FEMA plan 111134)	2025-12-02	2030-12-01	1,525		
Santa Monica city	City	Approved, expires 2031-04-29	Santa Monica, City of (FEMA plan 111786)	2026-04-30	2031-04-29	1,674		
Sierra Madre city	City	Approved, expires 2031-01-27	Sierra Madre, City of (FEMA plan 111371)	2026-01-28	2031-01-27	1,582		
Signal Hill city	City	Approved, expires 2030-09-17	Signal Hill, City of (FEMA plan 110964)	2025-09-18	2030-09-17	1,450		
South El Monte city	City	Approved, expires 2026-12-27	South El Monte, City of (FEMA plan 107684)	2021-12-28	2026-12-27	90		
South Gate city	City	Approved, expires 2029-11-10	South Gate, City of (FEMA plan 109973)	2024-11-11	2029-11-10	1,139		
South Pasadena city	City	Approved, expires 2030-04-14	South Pasadena, City of (FEMA plan 109743)	2025-04-15	2030-04-14	1,294		
Temple City city	City	Expired on 2021-09-27	Temple City, City of (FEMA plan 81457)	2016-09-27	2021-09-27	-1,827		
Torrance city	City	Approved, expires 2029-06-11	Torrance, City of (FEMA plan 109602)	2024-06-12	2029-06-11	987		
Vernon city	City	Approved, expires 2028-04-17	Vernon, City of (FEMA plan 108857)	2023-04-18	2028-04-17	567		
Walnut city	City	Approved, expires 2031-05-03	Walnut, City of (FEMA plan 111782)	2026-05-04	2031-05-03	1,678		
West Covina city	City	Expired on 2010-04-15	West Covina, City of (FEMA plan 81470)	2005-04-15	2010-04-15	-6,010		
West Hollywood city	City	Approved, expires 2029-07-14	West Hollywood, City of (FEMA plan 109853)	2024-07-15	2029-07-14	1,020		
Westlake Village city	City	Approved, expires 2029-08-12	Las Virgenes Malibu Council of Governments (FEMA plan 110094)	2024-08-13	2029-08-12	1,049		member approved 2024-09-17

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Whittier city	City	Approved, expires 2031-06-29	Whittier, City of (FEMA plan 111867)	2026-06-30	2031-06-29	1,735		
Burbank Unified School District	School/School District	Expired on 2025-08-11	Burbank Unified School District (FEMA plan 106413)	2020-08-12	2025-08-11	-413		
Culver City Unified School District	School/School District	Approved, expires 2029-08-28	Culver City, City of (FEMA plan 109852)	2024-08-29	2029-08-28	1,065		
Little Lake City Elementary School District	School/School District	Expired on 2010-03-21	Little Lake City School District (FEMA plan 81279)	2005-03-21	2010-03-21	-6,035		
Los Angeles Unified School District	School/School District	Approved, expires 2030-09-21	Los Angeles Unified School District (FEMA plan 110957)	2025-09-22	2030-09-21	1,454		
Newhall Elementary School District	School/School District	Expired on 2010-11-02	Newhall School District (FEMA plan 81334)	2005-11-02	2010-11-02	-5,809		
Rosemead Elementary School District	School/School District	Expired on 2010-11-03	Rosemead School District (FEMA plan 81393)	2005-11-03	2010-11-03	-5,808		
Walnut Valley Unified School District	School/School District	Approved, expires 2031-05-03	Walnut, City of (FEMA plan 111782)	2026-05-04	2031-05-03	1,678		member approved 2026-06-05
Whittier Union High School District	School/School District	Expired on 2019-05-06	Whittier Union High School District (FEMA plan 81474)	2014-05-06	2019-05-06	-2,702		
Name not given in FEMA data (ID R09_202795)	School/School District	Expired on 2011-10-02	Las Virgenes Unified School District (FEMA plan 81276)	2006-10-02	2011-10-02	-5,475		
Name not given in FEMA data (ID R09_202796)	School/School District	Expired on 2013-11-17	Glendora Unified School District (FEMA plan 81248)	2008-11-17	2013-11-17	-4,698		
Name not given in FEMA data (ID R09_202798)	School/School District	Expired on 2012-02-05	Lawndale Elementary School District (FEMA plan 81277)	2007-02-05	2012-02-05	-5,349		
Name not given in FEMA data (ID R09_202799)	School/School District	Expired on 2010-07-14	Long Beach Unified School District (FEMA plan 81282)	2005-07-14	2010-07-14	-5,920		
Name not given in FEMA data (ID R09_202812)	School/School District	Expired on 2023-07-12	Palos Verdes Peninsula Unified School District (FEMA plan 102069)	2018-07-13	2023-07-12	-1,174		
Name not given in FEMA data (ID R09_202813)	School/School District	Expired on 2010-04-21	Paramount Unified School District (FEMA plan 81367)	2005-04-21	2010-04-21	-6,004		
Name not given in FEMA data (ID R09_202820)	School/School District	Expired on 2010-10-26	Santa Monica-Malibu Unified School District (FEMA plan 80943)	2005-10-26	2010-10-26	-5,816		
Abalone Cove Landslide Abatement District	Special District	Approved, expires 2031-06-11	Palos Verdes Peninsula (FEMA plan 111978)	2026-06-12	2031-06-11	1,717		member approved 2026-07-22
Antelope Valley Transit Authority	Transit/Airport	Expired on 2022-10-29	Antelope Valley Transit Authority (FEMA plan 104554)	2017-10-30	2022-10-29	-1,430		

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Beach Cities Health District	Special District	Approved, expires 2030-06-26	Beach Cities Health District (FEMA plan 110925)	2025-06-27	2030-06-26	1,367		
Bellflower-Somerset Mutual Water Company	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		member approved 2026-01-06
Crescenta Valley Water District	Water/Sewer Authority	Approved, expires 2026-11-11	Crescenta Valley Water District (FEMA plan 107778)	2021-11-12	2026-11-11	44		
Kinneloa Irrigation District	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		member approved 2026-01-06
Klondike Canyon Geologic Hazard Abatement District	Special District	Approved, expires 2031-06-11	Palos Verdes Peninsula (FEMA plan 111978)	2026-06-12	2031-06-11	1,717		member approved 2026-07-22
La Habra Heights County Water District	Water/Sewer Authority	Approved, expires 2027-03-09	La Habra Heights County Water District (FEMA plan 107686)	2022-03-10	2027-03-09	162	FEMA tracker shows a plan in review	
La Puente Valley County Water District	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		member approved 2026-01-06
Las Virgenes Municipal Water District	Water/Sewer Authority	Approved, expires 2031-01-25	Las Virgenes Municipal Water District (FEMA plan 111307)	2026-01-26	2031-01-25	1,580		member approved 2026-01-21
Los Angeles County Office of Education	School/School 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.
Metropolitan Transportation Authority	Transit/Airport	Approved, expires 2028-01-24	Los Angeles County Metropolitan Transportation Authority (FEMA plan 108157)	2023-01-25	2028-01-24	483		
Metropolitan Water District of Southern California	Water/Sewer Authority	Approved, expires 2031-06-09	Metropolitan Water District of Southern California (FEMA plan 111783)	2026-06-10	2031-06-09	1,715		
Mount San Antonio Community College District	College/University	Plan 111782 approved 2026-05-04, pending adoption here; not yet eligible	Walnut, City of (FEMA plan 111782), pending adoption here	2026-05-04 by FEMA; not yet adopted here	2031-05-03 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Mountains Recreation and Conservation Authority	Conservation District	Approved, expires 2027-10-13	Mountains Recreation and Conservation Authority (FEMA plan 108255)	2022-10-14	2027-10-13	380		
Orchard Dale Water District	Water/Sewer Authority	Approved, expires 2029-06-04	Orchard Dale Water District (FEMA plan 109699)	2024-06-05	2029-06-04	980		
Palmdale Water District	Water/Sewer Authority	Approved, expires 2027-06-14	Palmdale Water District (FEMA plan 108319)	2022-06-15	2027-06-14	259		
Pico Water District	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		member approved 2026-01-06
Rio Hondo College District	College/University	Expired on 2016-11-23	Rio Hondo College District (FEMA plan 81390)	2011-11-23	2016-11-23	-3,596		
Rowland Water District	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		

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San Gabriel County Water District	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		member approved 2026-01-06
Santa Clarita Valley Water Agency	Water/Sewer Authority	Approved, expires 2028-01-13	Santa Clarita Valley Water Agency (FEMA plan 108546)	2023-01-14	2028-01-13	472		
Santa Monica College	College/ University	Expired on 2010-10-26	Santa Monica-Malibu Unified School District (FEMA plan 80943)	2005-10-26	2010-10-26	-5,816		
South Montebello Irrigation District	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		member approved 2026-01-06
Three Valleys Municipal Water District	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		member approved 2026-01-06
University of Southern California	College/ University	Expired on 2012-03-22	University of Southern California (FEMA plan 81463)	2007-03-22	2012-03-22	-5,303		
Valley County Water District	Water/Sewer Authority	Expired on 2026-05-13	Valley County Water District (FEMA plan 106954)	2021-05-14	2026-05-13	-138		
Walnut Valley Water District	Water/Sewer Authority	Approved, expires 2030-10-15	Rowland Water District (FEMA plan 111107)	2025-10-16	2030-10-15	1,478		member approved 2026-01-06

FEMA plan data lists 7 school district rows with no name (FEMA IDs only) and 8 named school districts. They may be the same districts filed under two ID schemes on different plans; check before reading a named district's 'No approved plan on record' as never covered.

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

Supports B1-a: hazards

Hazards NRI does not cover: check locally

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

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

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture	EAL population equivalence	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission	Storm Events coverage note
					<i>modeled dollars per year</i>	<i>statistical value of life and injury, \$13.7M per life, not property damage</i>			<i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	
1	Earthquake	Very High	Very High	\$2,972,262,045		\$1,593,474,322	\$4,565,736,367			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
2	Inland Flooding	Very High	Very High	\$2,801,568,294	\$193,917	\$6,974,313	\$2,808,736,524	247		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
3	Wildfire	Very High	Very High	\$148,555,890	\$2,331	\$6,633,591	\$155,191,812	57		
4	Heat Wave	Relatively High	Relatively High	\$14,770	\$18,208	\$36,723,569	\$36,756,547	8		
5	Tornado	Relatively High	Relatively High	\$12,948,146	\$525	\$5,357,244	\$18,305,914	18		
6	Coastal Flooding	Relatively High	Relatively High	\$5,184,029		\$1,765	\$5,185,793	2		
7	Tsunami	Relatively Low	Relatively Low	\$3,256,310		\$0	\$3,256,310	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
8	Lightning	Very High	Relatively High	\$22,823		\$2,103,929	\$2,126,752	10		
9	Hail	Relatively Moderate	Relatively Moderate	\$1,952,700	\$187	\$21,191	\$1,974,078	23		
10	Avalanche	Relatively High	Relatively Moderate	\$50		\$1,826,667	\$1,826,717	1		
11	Landslide	Relatively High	Relatively High	\$434,121		\$1,098,458	\$1,532,578	26		
12	Strong Wind	Relatively Moderate	Relatively Moderate	\$129,497	\$1,117	\$840,761	\$971,376	380		Includes 292 High Wind records and 6 Strong Wind records, event types the NRI definition of this hazard leaves out.
13	Winter Weather	Relatively Moderate	Relatively Moderate	\$1,540	under \$1	\$140,388	\$141,928	107		
14	Drought	Relatively Low	Relatively Low		\$79,529		\$79,529	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Cold Wave	Very Low	Very Low	\$130	\$115	\$23,904	\$24,149	2		Includes 2 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
16	Hurricane	No Rating	No Expected Annual Losses	\$0	\$0	\$0	\$0	1		
	Ice Storm	Not Applicable	Not Applicable					0		Declared 1 time; no Storm Events record of this type.
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	29 of 2,495
Coastal 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.	103 of 2,495
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	51 of 2,495
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	110 of 2,495
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	2,494 of 2,495
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	2,494 of 2,495
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	2,494 of 2,495
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 2,495
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	0 of 2,495
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.	2,494 of 2,495
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	1,941 of 2,495
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	2,485 of 2,495
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	2,494 of 2,495
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	2,494 of 2,495
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	65 of 2,495
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 2,495
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	712 of 2,495
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1,260 of 2,495

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	1, 2008 to 2008 (1 zone-level)		No damage reported in 1 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	2, 1997 to 2005 (1 zone-level)		No damage reported in 2 records.		Event records naming member places: Redondo Beach city (1 record). Zone-level records (1) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	0					Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	2, 1998 to 2007 (1 zone-level)		Frost/Freeze, 2007-01-13, \$6,000,000 crop damage, reported for the zone (2007 dollars); NWS zone CAZ088 (SANTA CLARITA VALLEY), zone-level: may include parts of neighboring counties		No event record names a member place. Zone-level records (1) apply countywide.	Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	0					Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	30, 1959 to 2024	0.5 in to 1.75 in (median 1 in); 29 with a recorded value	1.75 in hail, 2015-10-15; same size also recorded on 1984-08-22	Hail, 2003-11-12, \$3,500,000 property; crops not reported (2003 dollars)	Event records naming member places: Palmdale city (3 records), Azusa city (2 records), Compton city (1 record), Downey city (1 record), Duarte city (1 record), El Monte city (1 record), Lancaster city (1 record), Pasadena city (1 record), San Fernando city (1 record), Walnut city (1 record).	
Excessive Heat, Heat	heat index (narratives)	8, 1997 to 2008 (8 zone-level)	1 day to 5 days (median 4 days); 5 with a recorded value	5 consecutive days, 2007-08-30 to 2007-09-03, 8 direct deaths, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	1, 1997 to 1997 (1 zone-level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Tropical Storm record, 1997-09-25, damage not reported; NWS zone CAZ041 (LOS ANGELES COUNTY COASTS INCLUDING DOWNTOWN LOS ANGELES), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	0					Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	247, 1998 to 2026 (3 zone-level)		Flash Flood, 2010-01-19, \$0 property; \$3,200,000 crops (2010 dollars)		Event records naming member places: Glendora city (13 records), Palmdale city (11 records), Carson city (6 records), Azusa city (5 records), Long Beach city (5 records), Los Angeles city (4 records), Arcadia city (3 records), Lancaster city (3 records), Claremont city (2 records), Compton city (2 records); and 18 more member places (see the XLSX file). Zone-level records (3) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	26, 2004 to 2026 (2 zone-level)		No damage reported in 26 records.		Event records naming member places: Duarte city (1 record), La Mirada city (1 record), Malibu city (1 record), West Hollywood city (1 record). Zone-level records (2) apply countywide.	Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	10, 1996 to 2022		Lightning, 2014-07-27, \$0 property; \$0 crops (2014 dollars), 1 direct death, 8 direct injuries		Event records naming member places: Palmdale city (2 records), Calabasas city (1 record), Duarte city (1 record), South Pasadena city (1 record), West Covina city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	298, 1996 to 2026 (294 zone-level)	37 kt (43 mph) to 97 kt (112 mph) (median 61 kt (70 mph)); 293 with a recorded value	97 kt (112 mph) measured gust, High Wind, 2023-01-26; NWS zone CAZ054 (LOS ANGELES COUNTY MOUNTAINS), zone-level: may include parts of neighboring counties		Event records naming member places: Long Beach city (1 record), Los Angeles city (1 record). Zone-level records (294) apply countywide.	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Thunderstorm Wind	wind speed (kt and mph)	105, 1957 to 2026	43 kt (49 mph) to 93 kt (107 mph) (median 53 kt (61 mph)); 88 with a recorded value	93 kt (107 mph), measurement type not recorded, Thunderstorm Wind, 1993-02-18	Thunderstorm Wind, 1993-02-23, \$50,000 property; crops not recorded (1993 dollars)	Event records naming member places: Lancaster city (5 records), Diamond Bar city (2 records), Long Beach city (2 records), Los Angeles city (2 records), Paramount city (2 records), Artesia city (1 record), Azusa city (1 record), Bellflower city (1 record), Claremont city (1 record), Downey city (1 record); and 11 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	50, 1952 to 2025	F/EF0 to F/EF2 (median F/EF0); 44 with a recorded value	F2 tornado, 1983-03-01, 3.5 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 100 yd wide, \$25,000,000 property; crops not recorded (1983 dollars), 30 direct injuries		Event records naming member places: Long Beach city (2 records), Whittier city (2 records), Cerritos city (1 record), Compton city (1 record), Covina city (1 record), Inglewood city (1 record), Montebello city (1 record), Palmdale city (1 record), Walnut city (1 record).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	57, 1996 to 2025 (41 zone- level)		Wildfire, 2007-01-08, \$60,000,000 property; \$0 crops, reported for the zone (2007 dollars); NWS zone CAZ046 (SANTA MONICA MOUNTAINS RECREATION AREA), zone-level: may include parts of neighboring counties		Event records naming member places: Azusa city (2 records), Glendora city (2 records), Malibu city (2 records), Arcadia city (1 record), Claremont city (1 record), Glendale city (1 record). Zone-level records (41) apply countywide.	Acres burned: in event narratives only; local data required.
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	107, 1996 to 2026 (107 zone-level)		No damage reported in 107 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Where a hazard names more than 10 member places, the table lists the 10 with the most records; every place is in the XLSX 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 are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

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

Supports B1-d: previous occurrences

Declaration rows 88 Counted incidents 66

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		Flags	Notes
						<i>federal share obligated,</i>	<i>nominal dollars</i>		
2025-08-08	2025-08-07	FM-5605-CA	Fire management	CANYON FIRE	Wildfire		none found	during plan review, check whether your last plan included it; within last 5 years	
2025-01-08	2025-01-07	FM-5551-CA	Fire management	HURST FIRE	Wildfire		none found	during plan review, check whether your last plan included it; within last 5 years	same incident as DR-4856
2025-01-08	2025-01-07	FM-5550-CA	Fire management	EATON FIRE	Wildfire		none found	during plan review, check whether your last plan included it; within last 5 years	same incident as DR-4856
2025-01-08	2025-01-07	DR-4856-CA	Major disaster	WILDFIRES AND STRAIGHT-LINE WINDS	Wildfire (primary); also designated: Strong Wind	\$27,795,299.27		during plan review, check whether your last plan included it; within last 5 years	
2025-01-07	2025-01-07	FM-5549-CA	Fire management	PALISADES FIRE	Wildfire		none found	during plan review, check whether your last plan included it; within last 5 years	same incident as DR-4856
2024-12-10	2024-12-10	FM-5548-CA	Fire management	FRANKLIN FIRE	Wildfire		none found	during plan review, check whether your last plan included it; within last 5 years	
2024-09-11	2024-09-10	FM-5537-CA	Fire management	BRIDGE FIRE	Wildfire		none found	within last 5 years	
2024-04-13	2024-01-31	DR-4769-CA	Major disaster	SEVERE WINTER STORMS, TORNADOES, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding; Landslide; Tornado; Winter Weather	\$13,022,328.81		within last 5 years	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		Flags	Notes
						<i>federal share obligated, nominal dollars</i>			
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	\$3,495,788.59		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	none found		within last 5 years	same incident as DR-4699
2023-01-14	2022-12-27	DR-4683-CA	Major disaster	SEVERE WINTER STORMS, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding (primary); also designated: Landslide, Winter Weather	\$14,298,184.56		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	none found		within last 5 years	same incident as DR-4683
2020-10-16	2020-09-04	DR-4569-CA	Major disaster	WILDFIRES	Wildfire	\$7,781,006.31			
2020-09-13	2020-09-13	FM-5374-CA	Fire management	BOBCAT FIRE	Wildfire	none found			same incident as DR-4569
2020-03-22	2020-01-20	DR-4482-CA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$1,985,048,417.10			
2020-03-13	2020-01-20	EM-3428-CA	Emergency	COVID-19	Non-natural, not counted	none found			same incident as DR-4482
2019-10-28	2019-10-28	FM-5297-CA	Fire management	GETTY FIRE	Wildfire	none found			
2019-10-24	2019-10-24	FM-5296-CA	Fire management	TICK FIRE	Wildfire	none found			
2019-10-11	2019-10-10	FM-5293-CA	Fire management	SADDLERIDGE FIRE	Wildfire	none found			
2018-11-12	2018-11-08	DR-4407-CA	Major disaster	WILDFIRES	Wildfire	\$48,993,198.37			
2018-11-09	2018-11-08	FM-5280-CA	Fire management	WOOLSEY FIRE	Wildfire	none found			same incident as DR-4407
2018-11-09	2018-11-08	EM-3409-CA	Emergency	WILDFIRES	Wildfire	none found			same incident as DR-4407
2018-01-02	2017-12-04	DR-4353-CA	Major disaster	WILDFIRES, FLOODING, MUDFLOWS, AND DEBRIS FLOWS	Wildfire	PA not declared for this county			
2017-12-08	2017-12-04	EM-3396-CA	Emergency	WILDFIRES	Wildfire	none found			same incident as DR-4353
2017-12-06	2017-12-06	FM-5227-CA	Fire management	SKIRBALL FIRE	Wildfire	none found			same incident as DR-4353
2017-12-05	2017-12-05	FM-5226-CA	Fire management	RYE FIRE	Wildfire	none found			same incident as DR-4353

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2017-12-05	2017-12-05	FM-5225-CA	Fire management	CREEK FIRE	Wildfire	none found		same incident as DR-4353
2017-09-02	2017-09-01	FM-5201-CA	Fire management	LA TUNA FIRE	Wildfire	none found		
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	\$11,137,972.92		
2016-07-23	2016-07-22	FM-5135-CA	Fire management	SAND FIRE	Wildfire	none found		
2016-07-09	2016-07-09	FM-5132-CA	Fire management	SAGE FIRE	Wildfire	none found		
2016-06-21	2016-06-20	FM-5129-CA	Fire management	FISH FIRE	Wildfire	none found		
2016-06-05	2016-06-04	FM-5124-CA	Fire management	OLD FIRE	Wildfire	none found		
2014-01-16	2014-01-16	FM-5051-CA	Fire management	COLBY FIRE	Wildfire	none found		
2013-06-02	2013-05-31	FM-5025-CA	Fire management	POWERHOUSE FIRE	Wildfire	none found		
2010-07-30	2010-07-29	FM-2851-CA	Fire management	CROWN FIRE	Wildfire	none found		
2010-03-08	2010-01-17	DR-1884-CA	Major disaster	SEVERE WINTER STORMS, FLOODING, AND DEBRIS AND MUD FLOWS	Inland Flooding; Winter Weather	\$21,906,579.39		
2009-08-28	2009-08-27	FM-2830-CA	Fire management	STATION FIRE	Wildfire	none found		
2009-08-28	2009-08-27	FM-2828-CA	Fire management	PV FIRE	Wildfire	none found		
2008-11-18	2008-11-13	DR-1810-CA	Major disaster	WILDFIRES	Wildfire	\$20,491,977.37		
2008-11-15	2008-11-15	FM-2792-CA	Fire management	FREEWAY FIRE COMPLEX	Wildfire	none found		same incident as DR-1810
2008-11-15	2008-11-14	FM-2791-CA	Fire management	SAYRE FIRE	Wildfire	none found		same incident as DR-1810
2008-10-13	2008-10-13	FM-2789-CA	Fire management	SESNON FIRE	Wildfire	none found		
2008-10-12	2008-10-12	FM-2788-CA	Fire management	MAREK FIRE	Wildfire	none found		
2008-04-27	2008-04-26	FM-2763-CA	Fire management	SANTA ANITA FIRE	Wildfire	none found		
2007-10-24	2007-10-21	DR-1731-CA	Major disaster	WILDFIRES, FLOODING, MUD FLOWS, AND DEBRIS FLOWS	Wildfire	\$2,704,239.90		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2007-10-23	2007-10-21	EM-3279-CA	Emergency	WILDFIRES	Wildfire	none found		same incident as DR-1731
2007-10-22	2007-10-20	FM-2736-CA	Fire management	RANCH FIRE	Wildfire	none found		
2007-10-21	2007-10-21	FM-2733-CA	Fire management	BUCKWEED FIRE	Wildfire	none found		same incident as DR-1731
2007-10-21	2007-10-21	FM-2732-CA	Fire management	CANYON FIRE	Wildfire	none found		same incident as DR-1731
2007-07-08	2007-07-07	FM-2708-CA	Fire management	CANYON FIRE	Wildfire	none found		
2007-05-10	2007-05-10	FM-2694-CA	Fire management	ISLAND FIRE	Wildfire	none found		
2007-05-09	2007-05-08	FM-2691-CA	Fire management	GRIFFITH PARK FIRE	Wildfire	none found		
2007-03-13	2007-01-11	DR-1689-CA	Major disaster	SEVERE FREEZE	Cold Wave	PA not declared for this county		
2005-09-28	2005-09-28	FM-2583-CA	Fire management	TOPANGA FIRE	Wildfire	none found		
2005-09-13	2005-08-29	EM-3248-CA	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	\$6,757.31		
2005-04-14	2005-02-16	DR-1585-CA	Major disaster	SEVERE STORMS, FLOODING, LANDSLIDES, AND MUD AND DEBRIS FLOWS	Inland Flooding; Landslide	\$22,170,519.67		
2005-02-04	2004-12-27	DR-1577-CA	Major disaster	SEVERE STORMS, FLOODING, DEBRIS FLOWS, AND MUDSLIDES	Inland Flooding; Landslide	\$75,591,266.19		
2004-07-21	2004-07-20	FM-2535-CA	Fire management	CA-CROWN WILDFIRE-07-21-2004	Wildfire	none found		
2004-07-18	2004-07-17	FM-2534-CA	Fire management	CA-FOOTHILL WILDFIRE-07-18-2004	Wildfire	none found		
2004-07-14	2004-07-12	FM-2528-CA	Fire management	CA - PINE FIRE - 7-13-2004	Wildfire	none found		
2003-10-27	2003-10-21	DR-1498-CA	Major disaster	WILDFIRES, FLOODING, MUDFLOW AND DEBRIS FLOW DIRECTLY RELATED T	Wildfire	\$5,811,196.91		
2003-10-25	2003-10-24	FM-2502-CA	Fire management	CA-VERDALE FIRE 10-25-2003	Wildfire	none found		same incident as DR-1498
2003-01-07	2003-01-06	FM-2466-CA	Fire management	CA - WILDFIRE (PACIFIC FIRE) - 01-06-2003	Wildfire	none found		
2002-09-24	2002-09-22	FM-2464-CA	Fire management	WILLIAMS FIRE	Wildfire	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		Flags	Notes
						<i>federal share obligated, nominal dollars</i>			
2002-09-04	2002-09-03	FM-2462-CA	Fire management	LEONA FIRE	Wildfire	none found			
2002-06-06	2002-06-05	FM-2417-CA	Fire management	CA - COPPER FIRE - 06-06-2002	Wildfire	none found			
1998-02-09	1998-02-02	DR-1203-CA	Major disaster	SEVERE WINTER STORMS AND FLOODING	Inland Flooding; Winter Weather	none found			
1996-10-23	1996-10-21	EM-3120-CA	Emergency	SEVERE FIRESTORMS	Wildfire	none found			
1995-03-12	1995-02-13	DR-1046-CA	Major disaster	SEVERE WINTER STORMS, FLOODING LANDSLIDES, MUD FLOW	Inland Flooding; Landslide; Winter Weather	none found			
1995-01-10	1995-01-03	DR-1044-CA	Major disaster	SEVERE WINTER STORMS, FLOODING, LANDSLIDES, MUD FLOWS	Inland Flooding; Landslide; Winter Weather	none found			
1994-01-17	1994-01-17	DR-1008-CA	Major disaster	NORTHRIDGE EARTHQUAKE	Earthquake	none found			
1993-10-28	1993-10-26	DR-1005-CA	Major disaster	FIRES, MUD/LANDSLIDES, FLOODING, SOIL EROSION	Wildfire (primary); also designated: Inland Flooding, Landslide	none found			
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	none found			
1992-05-02	1992-04-29	DR-942-CA	Major disaster	FIRE DURING A PERIOD OF CIVIL UNREST	Non-natural, not counted	none found			
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	none found			
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	none found			
1988-02-05	1988-01-17	DR-812-CA	Major disaster	SEVERE STORMS, HIGH TIDES & FLOODING	Inland Flooding (primary); also designated: Coastal Flooding	none found			
1987-10-07	1987-10-01	DR-799-CA	Major disaster	EARTHQUAKE & AFTERSHOCKS	Earthquake	none found			
1983-02-09	1983-01-21	DR-677-CA	Major disaster	COASTAL STORMS, FLOODS, SLIDES & TORNADOES	Coastal Flooding; Inland Flooding; Landslide; Tornado	none found			
1980-11-27	1980-11-27	DR-635-CA	Major disaster	BRUSH & TIMBER FIRES	Wildfire	none found			
1980-02-21	1980-01-08	DR-615-CA	Major disaster	SEVERE STORMS, MUDSLIDES & FLOODING	Inland Flooding (primary); also designated: Landslide	none found			
1978-10-29	1978-10-29	EM-3067-CA	Emergency	BRUSH FIRES	Wildfire	PA not declared for this county			
1978-02-15	1978-02-15	DR-547-CA	Major disaster	COASTAL STORMS, MUDSLIDES & FLOODING	Coastal Flooding (primary); also designated: Landslide	none found			
1971-02-09	1971-02-09	DR-299-CA	Major disaster	SAN FERNANDO EARTHQUAKE	Earthquake	none found			
1970-09-29	1970-09-29	DR-295-CA	Major disaster	FOREST & BRUSH FIRES	Wildfire	none found			
1969-01-26	1969-01-26	DR-253-CA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found			

School districts and special districts in this county: \$522,587,023.10 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan members in this county. They are not shown as member blocks, 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); do not add this line to the county total.

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars. Dollars are nominal (as reported), labeled with the year; not adjusted for inflation.

SOURCES

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

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

SOURCE

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

Public Assistance filed under this county for declarations that do not list it: 5 rows, \$9,823,288.53

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4750-CA	2023-11-21	TROPICAL STORM HILARY	The Metropolitan Water District of Southern California	\$143,403.32
DR-4750-CA	2023-11-21	TROPICAL STORM HILARY	Los Angeles, City of	\$4,032,435.31
DR-4431-CA	2019-05-01	SEVERE WINTER STORMS, FLOODING, LANDSLIDES, AND MUDSLIDES	The Metropolitan Water District of Southern California	\$4,099,711.66
DR-4301-CA	2017-02-14	SEVERE WINTER STORMS, FLOODING, AND MUDSLIDES	Los Angeles, City of	\$962,412.75
DR-1952-CA	2011-01-26	SEVERE WINTER STORMS, FLOODING, AND DEBRIS AND MUD FLOWS	The Metropolitan Water District of Southern California	\$585,325.49

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

SOURCES

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval records	During plan review records	Last 5 years records	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	1	0	0	0	0	0	1996 to 2026-06-30	
Coastal Flooding	2	0	0	0	3	0	1996 to 2026-06-30	
Cold Wave	2	0	0	0	2	0	1996 to 2026-06-30	Includes 2 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
Drought	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Earthquake	0	0	0	0	3	0		No Storm Events record; local data required (e.g., USGS).
Hail	30	0	0	5	0	0	1955 to 2026-06-30	
Heat Wave	8	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	1	0	0	0	0	0	1996 to 2026-06-30	
Ice Storm	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Inland Flooding	247	23	11	93	17	0	1996 to 2026-06-30	
Landslide	26	6	3	21	14	0	1996 to 2026-06-30	
Lightning	10	0	0	1	0	0	1996 to 2026-06-30	
Strong Wind	403	31	13	114	3	0	1955 to 2026-06-30	Includes 292 High Wind records and 6 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	50	0	1	5	2	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	57	0	3	5	44	0	1996 to 2026-06-30	
Winter Weather	107	1	2	16	10	0	1996 to 2026-06-30	

SOURCES

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

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2025-01-07	Wildfire		\$0 property; \$0 crops, reported for the zone (2025 dollars)	12, 4	NWS zone CAZ362 (MALIBU COAST), zone-level: may include parts of neighboring counties	during plan review, check whether your last plan included it; within last 5 years	deaths or injuries recorded
2023-01-26	High Wind	97 kt (112 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2023 dollars)	0, 0	NWS zone CAZ054 (LOS ANGELES COUNTY MOUNTAINS), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2015-10-15	Hail	1.75 in	\$0 property; \$0 crops (2015 dollars)	0, 0	LEONA VLY		B1-c worst recorded: Hail
2014-07-27	Lightning		\$0 property; \$0 crops (2014 dollars)	1, 8	MARINA DEL RAY		B1-c worst recorded: Lightning
2010-01-19	Flash Flood		\$0 property; \$3,200,000 crops (2010 dollars)	0, 0	CARSON to RIOCO		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2008-01-25	Avalanche		\$0 property; \$0 crops, reported for the zone (2008 dollars)	3, 3	NWS zone CAZ054 (LOS ANGELES COUNTY MOUNTAINS EXCLUDING THE SANTA MONICA RANGE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2007-09-03	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2007 dollars)	8, 0	NWS zone CAZ041 (LOS ANGELES COUNTY COASTS INCLUDING DOWNTOWN LOS ANGELES), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2007-08-30	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2007 dollars)	0, 0	NWS zone CAZ088 (SANTA CLARITA VALLEY), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
2007-01-13	Frost/Freeze		\$0 property; \$6,000,000 crops, reported for the zone (2007 dollars)	0, 0	NWS zone CAZ088 (SANTA CLARITA VALLEY), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/ Freeze (outside NRI Cold Wave definition)
2007-01-08	Wildfire		\$60,000,000 property; \$0 crops, reported for the zone (2007 dollars)	0, 0	NWS zone CAZ046 (SANTA MONICA MOUNTAINS RECREATION AREA), zone- level: may include parts of neighboring counties		B1-c worst recorded: Wildfire
1993-02-18	Thunderstorm Wind	93 kt (107 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	Mt. Wilson		B1-c worst recorded: Thunderstorm Wind
1983-03-01	Tornado	F2, 3.5 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 100 yd wide	\$25,000,000 property; crops not recorded (1983 dollars)	0, 30	location not recorded		B1-c worst recorded: Tornado

The full list is in the **XLSX** file, sheet "**B1-d Storm Events history**" (944 rows).

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

SOURCES

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

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

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.133	events per year	about 1 in 8 years	Likely	FEMA annualized frequency (modeled)	4	1994 to 2023 (30 years)	see B1-f	
Coastal Flooding	2.17	events per year at a location (modeled)	about 2.2 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	0.0323	event-days per year	about 0.0323 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	0.526	2005-11-12 to 2024-11-12 (19 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	81.8	event-days per year	about 81.8 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	3,759	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Earthquake	0.0936	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 9.36%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	0.0976	events per year	about 1 in 10 years	Possible	FEMA annualized frequency (modeled)	3.8 (modeled)	1986 to 2023 (38 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Heat Wave	9.45	event-days per year	about 9.45 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	84.6	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 9.45 heat wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 4 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Hurricane	0	events per year	none modeled	Unlikely	FEMA annualized frequency (modeled)	0	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 counted separately in B1-d and need not match.
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	3.96	event-days per year	about 3.96 days per year	Likely	event-days in 24 of 30 years, 1996 to 2025 (80%)	111	1996 to 2023 (28 years)	see B1-f	
Landslide	78.6	events per year (modeled)	about 78.6 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	8.36	days per year with a strike	about 8.36 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.145	events per year	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	5	1986 to 2023 (38 years)	countywide	
Tornado	0.49	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	
Tsunami	0.388	annual probability at the most exposed location (used in place of a county value)	chance at the county's most exposed location in a year: 38.8%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.00832	annual probability at a location	chance a given location in the county burns in a year: 0.832%	Likely	Storm Events records in 18 of 30 years, 1996 to 2025 (60%)	not shown	modeled	see B1-f	Descriptor from Storm Events, not NRI: the NRI value is the chance at a location in the county, not how often the hazard affects the county.

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Winter Weather	6.59	event-days per year	about 6.59 days per year	Highly likely	event-days in 27 of 30 years, 1996 to 2025 (90%)	107	2005-11-12 to 2024-11-12 (19 years)	countywide	

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Descriptor scale used in this packet (defined per unit)

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	15	30	0.5
Hail	2.00 in+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	50	30	1.67
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	11	30	0.367
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	5	30	0.167
Tornado	EF0-1	1996 to 2025	18	30	0.6
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

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

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

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

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	29 of 2,495	83.1	85.5	90.8	Relatively Moderate 29, Not Applicable 2466	
Coastal Flooding	103 of 2,495	68.4	77.0	99.8	Very High 2, Relatively High 5, Relatively Moderate 15, Relatively Low 32, Very Low 49, No Rating 2392	
Cold Wave	51 of 2,495	15.4	15.9	18.8	Very Low 51, No Rating 2444	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	110 of 2,495	67.0	70.3	94.2	Relatively Moderate 1, Relatively Low 5, Very Low 104, No Rating 2385	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Earthquake	2,494 of 2,495	4.2	94.0	100.0	Very High 492, Relatively High 1740, Relatively Moderate 254, Relatively Low 6, Very Low 2, No Rating 1	
Hail	2,494 of 2,495	0.3	16.6	73.8	Relatively Moderate 1, Relatively Low 31, Very Low 2462, No Rating 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	2,494 of 2,495	1.3	20.1	66.7	Relatively Moderate 19, Relatively Low 1478, Very Low 997, No Rating 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	0 of 2,495				No Rating 2495	
Ice Storm	0 of 2,495				Not Applicable 2495	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Inland Flooding	2,494 of 2,495	0.2	74.9	100.0	Very High 307, Relatively High 814, Relatively Moderate 716, Relatively Low 465, Very Low 192, No Rating 1	
Landslide	1,941 of 2,495	8.6	30.0	99.8	Relatively High 5, Relatively Moderate 48, Relatively Low 209, Very Low 1679, No Rating 554	
Lightning	2,485 of 2,495	0.1	5.3	22.2	Relatively Low 1, Very Low 2484, No Rating 10	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	2,494 of 2,495	0.2	5.5	12.9	Very Low 2494, No Rating 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	2,494 of 2,495	0.3	16.9	67.0	Relatively Moderate 2, Relatively Low 95, Very Low 2397, No Rating 1	
Tsunami	65 of 2,495	14.1	40.0	90.6	Relatively Moderate 5, Relatively Low 16, Very Low 44, No Rating 19, Not Applicable 2411	
Volcanic Activity	0 of 2,495				Not Applicable 2495	
Wildfire	712 of 2,495	18.5	74.6	99.9	Very High 40, Relatively High 81, Relatively Moderate 119, Relatively Low 150, Very Low 322, No Rating 1783	
Winter Weather	1,260 of 2,495	10.5	12.1	69.4	Relatively Moderate 8, Relatively Low 109, Very Low 1143, No Rating 1235	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Los Angeles County	County	Approved, expires 2030-09-15	FMA RL 1, SRL 26; any 205	\$415,069,806.85	0; 0	Includes \$295,291,688.59 for declarations not counted as hazard incidents (DR-4482-CA).
Agoura Hills city	City	Approved, expires 2029-08-12	FMA RL 0, SRL 0; any 7	\$709,401.32	0; 0	Includes \$104,659.51 for declarations not counted as hazard incidents (DR-4482-CA).
Alhambra city	City	Approved, expires 2031-03-17	FMA RL 0, SRL 0; any 0	\$183,095.58	0; 0	Includes \$45,131.33 for declarations not counted as hazard incidents (DR-4482-CA).
Arcadia city	City	Approved, expires 2027-05-10	FMA RL 0, SRL 0; any 0	\$2,773,265.87	4; 1	Includes \$141,638.22 for declarations not counted as hazard incidents (DR-4482-CA).
Artesia city	City	Expired on 2025-11-29	FMA RL 0, SRL 0; any 0	\$4,777.26	2; 1	
Avalon city	City	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 0	\$167,638.12	0; no approved plan	Includes \$31,712.72 for declarations not counted as hazard incidents (DR-4482-CA).
Azusa city	City	Expired on 2024-11-03	FMA RL 0, SRL 0; any 0	\$217,005.45	10; 1	Includes \$77,519.33 for declarations not counted as hazard incidents (DR-4482-CA).
Bell city	City	Approved, expires 2031-07-27	FMA RL 0, SRL 0; any 0	\$40,098.85	0; not yet covered	Includes \$34,958.05 for declarations not counted as hazard incidents (DR-4482-CA).
Bellflower city	City	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 0	\$17,189	2; no approved plan	Includes \$17,189 for declarations not counted as hazard incidents (DR-4482-CA).
Beverly Hills city	City	Approved, expires 2031-01-08	FMA RL 0, SRL 0; any 10	\$1,821,587.02	0; 0	Includes \$1,696,357.89 for declarations not counted as hazard incidents (DR-4482-CA).
Bradbury city	City	Approved, expires 2030-04-14	FMA RL 0, SRL 0; any 0	none found	0; 0	
Burbank city	City	Approved, expires 2028-04-06	FMA RL 0, SRL 0; any 0	\$1,253,769.11	1; 0	Includes \$530,663.22 for declarations not counted as hazard incidents (DR-4482-CA).
Calabasas city	City	Approved, expires 2029-08-12	FMA RL 0, SRL 0; any 1	\$1,324,185.06	1; 0	
Carson city	City	Approved, expires 2030-09-25	FMA RL 0, SRL 0; any 0	\$384,990.59	6; 1	Includes \$318,781.94 for declarations not counted as hazard incidents (DR-4482-CA).
Cerritos city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	none found	1; 0	
Claremont city	City	Approved, expires 2027-03-07	FMA RL 0, SRL 0; any 0	\$128,787.82	4; 1	Includes \$39,239.29 for declarations not counted as hazard incidents (DR-4482-CA).

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Compton city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$82,434.57	4; 1	
Covina city	City	Expired on 2025-11-09	FMA RL 0, SRL 0; any 0	\$431,313.15	1; 0	Includes \$308,969.31 for declarations not counted as hazard incidents (DR-4482-CA).
Cudahy city	City	Expired on 2023-12-09	FMA RL 0, SRL 0; any 0	none found	0; 0	
Culver City city	City	Approved, expires 2029-08-28	FMA RL 0, SRL 0; any 1	\$2,446,298.51	2; 0	Includes \$595,376.56 for declarations not counted as hazard incidents (DR-4482-CA).
Diamond Bar city	City	Approved, expires 2027-08-15	FMA RL 0, SRL 0; any 0	\$1,055,443.13	3; 0	Includes \$41,522.75 for declarations not counted as hazard incidents (DR-4482-CA).
Downey city	City	Approved, expires 2030-04-14	FMA RL 0, SRL 0; any 1	none found	2; 0	
Duarte city	City	Approved, expires 2031-01-27	FMA RL 0, SRL 0; any 0	\$1,681,969.56	5; 0	Includes \$11,224.05 for declarations not counted as hazard incidents (DR-4482-CA).
El Monte city	City	Expired on 2022-06-13	FMA RL 0, SRL 0; any 0	\$84,853.03	1; 0	Includes \$59,400 for declarations not counted as hazard incidents (DR-4482-CA).
El Segundo city	City	Approved, expires 2030-12-18	FMA RL 0, SRL 0; any 0	\$2,651,737.13	0; 0	Includes \$2,275,495.20 for declarations not counted as hazard incidents (DR-4482-CA).
Gardena city	City	Approved, expires 2029-10-23	FMA RL 0, SRL 0; any 0	\$327,203.07	1; 0	Includes \$327,203.07 for declarations not counted as hazard incidents (DR-4482-CA).
Glendale city	City	Expired on 2024-10-27	FMA RL 0, SRL 0; any 3	\$5,680,062.32	2; 0	Includes \$1,154,042.27 for declarations not counted as hazard incidents (DR-4482-CA).
Glendora city	City	Approved, expires 2031-02-10	FMA RL 0, SRL 0; any 0	\$412,548.71	16; 0	Includes \$296,146.81 for declarations not counted as hazard incidents (DR-4482-CA).
Hawaiian Gardens city	City	Expired on 2010-06-23	FMA RL 0, SRL 0; any 0	\$66,946	0; 0	Includes \$66,946 for declarations not counted as hazard incidents (DR-4482-CA).
Hawthorne city	City	Expired on 2025-04-15	FMA RL 0, SRL 0; any 0	\$272,243	0; 0	Includes \$272,243 for declarations not counted as hazard incidents (DR-4482-CA).
Hermosa Beach city	City	Approved, expires 2030-06-18	FMA RL 0, SRL 0; any 0	\$471,068.37	0; 0	Includes \$436,592.17 for declarations not counted as hazard incidents (DR-4482-CA).
Hidden Hills city	City	Approved, expires 2029-08-12	FMA RL 0, SRL 0; any 2	\$231,279.84	0; 0	Includes \$111,379.69 for declarations not counted as hazard incidents (DR-4482-CA).
Industry city	City	Expired on 2010-05-10	FMA RL 0, SRL 0; any 0	\$343,960.37	0; 0	Includes \$71,589.37 for declarations not counted as hazard incidents (DR-4482-CA).
Inglewood city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$87,569.15	1; 0	
Irwindale city	City	Expired on 2019-04-30	FMA RL 0, SRL 0; any 0	\$256,311.59	0; 0	Includes \$232,862.81 for declarations not counted as hazard incidents (DR-4482-CA).

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
La Cañada Flintridge city	City	Approved, expires 2029-10-22	FMA RL 0, SRL 0; any 3	\$3,361,752.48	0; 0	
La Habra Heights city	City	Approved, expires 2027-05-19	FMA RL 0, SRL 0; any 0	\$1,111,606.23	0; 0	
La Mirada city	City	Approved, expires 2028-02-22	FMA RL 0, SRL 0; any 1	none found	2; 1	
La Puente city	City	Approved, expires 2031-02-22	FMA RL 0, SRL 0; any 0	\$176,038.41	0; 0	Includes \$160,381.46 for declarations not counted as hazard incidents (DR-4482-CA).
La Verne city	City	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 0	\$389,667.46	1; no approved plan	Includes \$160,348.28 for declarations not counted as hazard incidents (DR-4482-CA).
Lakewood city	City	Approved, expires 2031-02-19	FMA RL 0, SRL 0; any 1	\$25,689.37	0; 0	
Lancaster city	City	Approved, expires 2030-04-14	FMA RL 0, SRL 0; any 0	\$1,506,927.25	9; 0	
Lawndale city	City	Expired on 2021-09-01	FMA RL 0, SRL 0; any 0	none found	0; 0	
Lomita city	City	Approved, expires 2031-02-17	FMA RL 0, SRL 0; any 0	\$10,371.75	0; 0	
Long Beach city	City	Approved, expires 2028-03-01	FMA RL 0, SRL 2; any 13	\$39,833,997.74	10; 1	Includes \$36,211,518.69 for declarations not counted as hazard incidents (DR-4482-CA).
Los Angeles city	City	Approved, expires 2029-09-24	FMA RL 1, SRL 8; any 135	\$449,588,528.03	7; 3	Includes \$429,001,226.22 for declarations not counted as hazard incidents (DR-4482-CA, EM-3248-CA).
Lynwood city	City	Expired on 2026-02-18	FMA RL 0, SRL 0; any 1	\$220,147.82	0; 0	Includes \$220,147.82 for declarations not counted as hazard incidents (DR-4482-CA).
Malibu city	City	Approved, expires 2029-08-12	FMA RL 0, SRL 7; any 62	\$9,145,588.59	6; 1	Includes \$53,990 for declarations not counted as hazard incidents (DR-4482-CA).
Manhattan Beach city	City	Approved, expires 2030-02-02	FMA RL 0, SRL 0; any 0	\$378,188.38	0; 0	Includes \$300,021.95 for declarations not counted as hazard incidents (DR-4482-CA).
Maywood city	City	Approved, expires 2031-02-25	FMA RL 0, SRL 0; any 0	none found	0; 0	
Monrovia city	City	Approved, expires 2031-05-07	FMA RL 0, SRL 0; any 1	\$5,281,592.15	1; 0	Includes \$246,954.38 for declarations not counted as hazard incidents (DR-4482-CA).
Montebello city	City	Approved, expires 2030-09-03	FMA RL 0, SRL 0; any 0	\$623,784.13	2; 0	Includes \$343,162.23 for declarations not counted as hazard incidents (DR-4482-CA).
Monterey Park city	City	Approved, expires 2030-05-11	FMA RL 0, SRL 0; any 0	\$1,621,706.17	1; 0	Includes \$418,759.69 for declarations not counted as hazard incidents (DR-4482-CA).
Norwalk city	City	Approved, expires 2027-01-31	FMA RL 0, SRL 0; any 0	\$118,398.14	2; 0	Includes \$15,861.67 for declarations not counted as hazard incidents (DR-4482-CA).

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Palmdale city	City	Approved, expires 2027-11-17	FMA RL 0, SRL 0; any 0	\$1,565,261.28	17; 2	
Palos Verdes Estates city	City	Approved, expires 2031-06-11	FMA RL 0, SRL 0; any 2	\$73,285.10	0; 0	
Paramount city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 1	\$9,100	4; 3	Includes \$9,100 for declarations not counted as hazard incidents (DR-4482-CA).
Pasadena city	City	Approved, expires 2031-02-01	FMA RL 0, SRL 0; any 3	\$11,379,418.32	2; 0	Includes \$8,566,342.66 for declarations not counted as hazard incidents (DR-4482-CA).
Pico Rivera city	City	Approved, expires 2030-11-18	FMA RL 0, SRL 0; any 1	\$149,940.74	0; 0	Includes \$39,025.19 for declarations not counted as hazard incidents (DR-4482-CA).
Pomona city	City	Approved, expires 2028-03-07	FMA RL 0, SRL 0; any 0	\$3,064.42	2; 0	
Rancho Palos Verdes city	City	Approved, expires 2031-06-11	FMA RL 0, SRL 0; any 0	\$1,431,867.61	0; 0	
Redondo Beach city	City	Expired on 2025-09-10	FMA RL 0, SRL 0; any 3	\$23,125.74	1; 0	
Rolling Hills city	City	Approved, expires 2031-06-11	FMA RL 0, SRL 0; any 0	\$49,596.25	0; 0	
Rolling Hills Estates city	City	Approved, expires 2031-06-11	FMA RL 0, SRL 0; any 0	\$294,784.61	0; 0	Includes \$13,449.74 for declarations not counted as hazard incidents (DR-4482-CA).
Rosemead city	City	Approved, expires 2029-11-13	FMA RL 0, SRL 0; any 0	\$389,114.52	0; 0	Includes \$282,962.67 for declarations not counted as hazard incidents (DR-4482-CA).
San Dimas city	City	Expired on 2015-05-10	FMA RL 0, SRL 0; any 0	\$109,866.94	2; 1	Includes \$22,000.01 for declarations not counted as hazard incidents (DR-4482-CA).
San Fernando city	City	Approved, expires 2026-10-25	FMA RL 0, SRL 0; any 0	\$49,441.53	3; 2	
San Marino city	City	Approved, expires 2030-04-14	FMA RL 0, SRL 0; any 0	\$93,040.80	0; 0	Includes \$74,264.96 for declarations not counted as hazard incidents (DR-4482-CA).
Santa Clarita city	City	Approved, expires 2026-11-11	FMA RL 0, SRL 0; any 1	\$2,339,581.83	0; 0	Includes \$420,739.68 for declarations not counted as hazard incidents (DR-4482-CA).
Santa Fe Springs city	City	Approved, expires 2030-12-01	FMA RL 0, SRL 0; any 0	\$17,645.10	0; 0	
Santa Monica city	City	Approved, expires 2031-04-29	FMA RL 0, SRL 0; any 1	\$3,294,123.10	2; 0	Includes \$3,069,651.23 for declarations not counted as hazard incidents (DR-4482-CA).
Sierra Madre city	City	Approved, expires 2031-01-27	FMA RL 0, SRL 0; any 1	\$371,617.41	0; 0	Includes \$101,575.72 for declarations not counted as hazard incidents (DR-4482-CA).
Signal Hill city	City	Approved, expires 2030-09-17	FMA RL 0, SRL 0; any 0	\$127,564.40	0; 0	Includes \$73,672.56 for declarations not counted as hazard incidents (DR-4482-CA).

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
South El Monte city	City	Approved, expires 2026-12-27	FMA RL 0, SRL 0; any 0	\$476,787.10	0; 0	Includes \$468,421.27 for declarations not counted as hazard incidents (DR-4482-CA).
South Gate city	City	Approved, expires 2029-11-10	FMA RL 0, SRL 0; any 0	\$135,322.51	0; 0	Includes \$58,669.30 for declarations not counted as hazard incidents (DR-4482-CA).
South Pasadena city	City	Approved, expires 2030-04-14	FMA RL 0, SRL 0; any 2	\$157,873.55	1; 0	Includes \$60,461.29 for declarations not counted as hazard incidents (DR-4482-CA).
Temple City city	City	Expired on 2021-09-27	FMA RL 0, SRL 0; any 0	\$44,826.66	0; 0	
Torrance city	City	Approved, expires 2029-06-11	FMA RL 0, SRL 0; any 0	\$1,081,830.82	0; 0	Includes \$295,702.22 for declarations not counted as hazard incidents (DR-4482-CA).
Vernon city	City	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$531,198.93	0; 0	Includes \$531,198.93 for declarations not counted as hazard incidents (DR-4482-CA).
Walnut city	City	Approved, expires 2031-05-03	FMA RL 0, SRL 0; any 0	\$158,889.71	3; 0	Includes \$24,615 for declarations not counted as hazard incidents (DR-4482-CA).
West Covina city	City	Expired on 2010-04-15	FMA RL 0, SRL 0; any 0	\$239,420.43	1; 0	Includes \$126,867.58 for declarations not counted as hazard incidents (DR-4482-CA).
West Hollywood city	City	Approved, expires 2029-07-14	FMA RL 0, SRL 0; any 0	\$1,103,710.22	1; 0	Includes \$1,091,909.71 for declarations not counted as hazard incidents (DR-4482-CA).
Westlake Village city	City	Approved, expires 2029-08-12	FMA RL 0, SRL 0; any 0	\$145,811.29	0; 0	Includes \$4,461.75 for declarations not counted as hazard incidents (DR-4482-CA).
Whittier city	City	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$311,983.35	2; not yet covered	

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

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

SOURCES

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

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

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

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

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

Local data required

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

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

- Future assets

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-09-16 <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	\$3,569,508		10	\$50		\$1,826,667	0.0014%				
Coastal Flooding	\$199,706,602,472		1,368,811	\$5,184,029		\$1,765	0.0026%				
Cold Wave	\$13,178,242,937	\$1,406,392	56,344	\$130	\$115	\$23,904	under 0.0001%				
Drought		\$132,390,783			\$79,529		0.0601% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$2,972,493,548,045		10,014,009	\$2,972,262,045		\$1,593,474,322	0.1%				
Hail	\$1,703,724,947,920	\$199,072,663	10,005,712	\$1,952,700	\$187	\$21,191	0.000115%				
Heat Wave	\$1,703,705,720,738	\$199,069,761	10,005,552	\$14,770	\$18,208	\$36,723,569	under 0.0001%				
Hurricane	\$1,703,724,947,920	\$199,072,663	10,005,712	\$0	\$0	\$0	0%				
Ice Storm											Not Applicable in NRI for this county
Inland Flooding	\$1,703,309,391,994	\$29,231,530	60,883	\$2,801,568,294	\$193,917	\$6,974,313	n/a (see note)	\$0			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/ B2-b. EAL as % of exposure: n/a.
Landslide	\$57,004,911,418		246,243	\$434,121		\$1,098,458	0.000762%	\$0			
Lightning	\$1,703,724,947,920		10,005,712	\$22,823		\$2,103,929	under 0.0001%				
Strong Wind	\$1,703,724,947,920	\$199,072,663	10,005,712	\$129,497	\$1,117	\$840,761	under 0.0001%	\$3,000	\$0		
Tornado	\$1,703,724,947,920	\$199,072,663	10,005,712	\$12,948,146	\$525	\$5,357,244	0.00076%				
Tsunami	\$36,851,498,797		57,836	\$3,256,310		\$0	0.00884%				
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$49,690,245,135	\$142,457,561	294,167	\$148,555,890	\$2,331	\$6,633,591	0.299%				
Winter Weather	\$879,331,927,603	\$198,084,614	5,086,408	\$1,540	under \$1	\$140,388	under 0.0001%		\$0		

Totals since 2025-09-16 (Storm Events through 2026-06-30): 52 county-coded records, 52 with a damage value recorded (including \$0), \$3,000; 9 zone-level records, 9 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance on counted declarations none found (0 declarations, 0 with PA).

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

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

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

Measure	Value
Population	10,005,712
Building value (total, not at risk)	\$1,703,724,947,920
Agriculture value (total, not at risk)	\$199,072,663
NRI risk rating (all hazards)	Very High
Expected annual loss, buildings and agriculture, all hazards	\$5,946,626,273
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)	\$1,655,220,101
Social vulnerability rating	Relatively Moderate
Community resilience rating	Very Low
NRI version	December 2025

FEMA's all-hazard expected annual loss total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	2	Severe repetitive loss, FMA definition (44 CFR 77.2)	43
Repetitive loss, NFIP insurance definition	458	Severe repetitive loss, NFIP insurance definition	35

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

SOURCESFEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)**Repeat-flood properties: county and state-level rows**

Scope	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
County total	2	43	458	35	463	2	84
CULVER CITY, CITY OF	0	0	1	0	1	0	0
HIDDEN HILLS, CITY OF	0	0	2	0	2	0	1
LAKEWOOD, CITY OF	0	0	1	0	1	0	0
LA MIRADA, CITY OF	0	0	1	0	1	0	0
LONG BEACH, CITY OF	0	2	12	1	13	0	4
LOS ANGELES, CITY OF	1	8	132	5	135	2	21
PALOS VERDES ESTATES, CITY OF	0	0	2	0	2	0	0
PICO RIVERA, CITY OF	0	0	1	0	1	0	0
REDONDO BEACH, CITY OF	0	0	3	0	3	0	1
SANTA MONICA, CITY OF	0	0	1	0	1	0	0
LYNWOOD, CITY OF	0	0	1	0	1	0	0
DOWNEY, CITY OF	0	0	1	0	1	0	1
BEVERLY HILLS, CITY OF	0	0	10	0	10	0	1
LA CANADA FLINTRIDGE, CITY OF	0	0	3	0	3	0	2
SANTA CLARITA, CITY OF	0	0	1	0	1	0	0
MALIBU, CITY OF	0	7	62	6	62	0	42
CALABASAS, CITY OF	0	0	1	0	1	0	1
GLENDALE, CITY OF	0	0	3	0	3	0	1
LOS ANGELES COUNTY*	1	26	204	23	205	0	9
MONROVIA, CITY OF	0	0	1	0	1	0	0
PARAMOUNT, CITY OF	0	0	1	0	1	0	0
PASADENA, CITY OF	0	0	3	0	3	0	0
SIERRA MADRE, CITY OF	0	0	1	0	1	0	0
SOUTH PASADENA, CITY OF	0	0	2	0	2	0	0
AGOURA HILLS, CITY OF	0	0	7	0	7	0	0
Unknown (community ID Unknown in FEMA data)	0	0	1	0	1	0	0
State level, not in this county: county not reported	0	1	3	0	4	1	0

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

Repeat-flood properties by plan member (NFIP community)

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Los Angeles County	065043	1	26	204	23	205	0	9	
Agoura Hills city	065072	0	0	7	0	7	0	0	
Alhambra city	060095	0	0	0	0	0	0	0	
Arcadia city	065014	0	0	0	0	0	0	0	
Artesia city	060097	0	0	0	0	0	0	0	
Avalon city	060098	0	0	0	0	0	0	0	
Azusa city	065015	0	0	0	0	0	0	0	
Bell city	060101	0	0	0	0	0	0	0	
Bellflower city	060102	0	0	0	0	0	0	0	
Beverly Hills city	060655	0	0	10	0	10	0	1	
Bradbury city	065017	0	0	0	0	0	0	0	
Burbank city	065018	0	0	0	0	0	0	0	
Calabasas city	060749	0	0	1	0	1	0	1	
Carson city	060107	0	0	0	0	0	0	0	
Cerritos city	060108	0	0	0	0	0	0	0	
Claremont city	060109	0	0	0	0	0	0	0	
Compton city	060111	0	0	0	0	0	0	0	
Covina city	065024	0	0	0	0	0	0	0	
Cudahy city	060657	0	0	0	0	0	0	0	
Culver City city	060114	0	0	1	0	1	0	0	
Diamond Bar city	060741	0	0	0	0	0	0	0	
Downey city	060645	0	0	1	0	1	0	1	
Duarte city	065026	0	0	0	0	0	0	0	
El Monte city	060658	0	0	0	0	0	0	0	
El Segundo city	060118	0	0	0	0	0	0	0	
Gardena city	060119	0	0	0	0	0	0	0	
Glendale city	065030	0	0	3	0	3	0	1	
Glendora city	065031	0	0	0	0	0	0	0	
Hawaiian Gardens city	065032	0	0	0	0	0	0	0	
Hawthorne city	060123	0	0	0	0	0	0	0	
Hermosa Beach city	060124	0	0	0	0	0	0	0	
Hidden Hills city	060125	0	0	2	0	2	0	1	
Industry city	065035	0	0	0	0	0	0	0	
Inglewood city	065036	0	0	0	0	0	0	0	

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Irwindale city	060129	0	0	0	0	0	0	0	
La Cañada Flintridge city	060669	0	0	3	0	3	0	2	
La Habra Heights city	060701	0	0	0	0	0	0	0	
La Mirada city	060131	0	0	1	0	1	0	0	
La Puente city	065039	0	0	0	0	0	0	0	
La Verne city	060133	0	0	0	0	0	0	0	
Lakewood city	060130	0	0	1	0	1	0	0	
Lancaster city	060672	0	0	0	0	0	0	0	
Lawndale city	060134	0	0	0	0	0	0	0	
Lomita city	060135	0	0	0	0	0	0	0	
Long Beach city	060136	0	2	12	1	13	0	4	
Los Angeles city	060137	1	8	132	5	135	2	21	
Lynwood city	060635	0	0	1	0	1	0	0	
Malibu city	060745	0	7	62	6	62	0	42	
Manhattan Beach city	060138	0	0	0	0	0	0	0	
Maywood city	060651	0	0	0	0	0	0	0	
Monrovia city	065046	0	0	1	0	1	0	0	
Montebello city	060141	0	0	0	0	0	0	0	
Monterey Park city	065047	0	0	0	0	0	0	0	
Norwalk city	060652	0	0	0	0	0	0	0	
Palmdale city	060144	0	0	0	0	0	0	0	
Palos Verdes Estates city	060145	0	0	2	0	2	0	0	
Paramount city	065049	0	0	1	0	1	0	0	
Pasadena city	065050	0	0	3	0	3	0	0	
Pico Rivera city	060148	0	0	1	0	1	0	0	
Pomona city	060149	0	0	0	0	0	0	0	
Rancho Palos Verdes city	060464	0	0	0	0	0	0	0	
Redondo Beach city	060150	0	0	3	0	3	0	1	
Rolling Hills city	060151	0	0	0	0	0	0	0	
Rolling Hills Estates city	065054	0	0	0	0	0	0	0	
Rosemead city	060153	0	0	0	0	0	0	0	
San Dimas city	060154	0	0	0	0	0	0	0	
San Fernando city	060628	0	0	0	0	0	0	0	
San Marino city	065057	0	0	0	0	0	0	0	
Santa Clarita city	060729	0	0	1	0	1	0	0	

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Santa Fe Springs city	060158	0	0	0	0	0	0	0	
Santa Monica city	060159	0	0	1	0	1	0	0	
Sierra Madre city	065059	0	0	1	0	1	0	0	
Signal Hill city	060161	0	0	0	0	0	0	0	
South El Monte city	060162	0	0	0	0	0	0	0	
South Gate city	060163	0	0	0	0	0	0	0	
South Pasadena city	065061	0	0	2	0	2	0	0	
Temple City city	060653	0	0	0	0	0	0	0	
Torrance city	060165	0	0	0	0	0	0	0	
Vernon city	060166	0	0	0	0	0	0	0	
Walnut city	065069	0	0	0	0	0	0	0	
West Covina city	060666	0	0	0	0	0	0	0	
West Hollywood city	060720	0	0	0	0	0	0	0	
Westlake Village city	060744	0	0	0	0	0	0	0	
Whittier city	060169	0	0	0	0	0	0	0	

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

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

SOURCES

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

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

County repeat-flood properties by occupancy group

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	2	34	379	27	383	2	75
2 to 4 unit residential	0	5	42	5	42	0	2
other residential	0	0	10	0	10	0	1
non-residential	0	4	27	3	28	0	6
not reported	0	0	0	0	0	0	0

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

SOURCES

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

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

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites; OpenFEMA's fmaRL field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRL) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

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

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

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

In this county 1 property is FMA repetitive loss but not NFIP repetitive loss, and 457 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-28, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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

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Cite this: Hazard Plain (2026). Los Angeles County, CA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 06037). Preview: automated baseline. 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: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_CA_06037. Preview: automated baseline.