

Hawaii County, HI

Risk-assessment baseline packet

County FIPS: 15001 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2030-08-05. Plan: Hawaii County (FEMA plan 111017), approved 2025-08-06.

Since the plan was approved on 2025-08-06: 5 new hazard declarations (5 incidents) and 15 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$185,331,482 a year), Earthquake (\$121,259,118) and Volcanic Activity (\$26,325,630).

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

TERMS USED

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

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

NFIP: National Flood Insurance Program.

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

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

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

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

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

FIPS: the federal code for a place; 15001 is this area.

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

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

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

CFR: Code of Federal Regulations.

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

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

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Plan clock

Status:Approved, expires 2030-08-05

Approved:2025-08-06

Plan:Hawaii County (FEMA plan 111017)

Days to expiry:1,405

What changed since your last plan (approved 2025-08-06)

New federal declarations:

5 new hazard declarations (5 incidents): DR-4909-HI (Severe Storms, Flooding, Landslides, and Mudslides), FM-5650-HI (Kawaihae Road Fire), EM-3652-HI (Hurricane Lala), DR-4936-HI (Earthquake), EM-3654-HI (Tropical Storm Nolo)

Repetitive loss now:

FMA RL 1, SRL 13 (44 CFR 77.2); any definition: 48

Storm Events records since approval:

15 records (data through 2026-06-30)

Repeat-flood change:

this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry
Hawaii County	County	Approved, expires 2030-08-05	Hawaii County (FEMA plan 111017)	2025-08-06	2030-08-05	1,405

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

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$176,789,372	\$81,101	\$8,461,010	\$185,331,482	243	
2	Earthquake	Relatively High	Relatively High	\$88,138,499	n/a	\$33,120,619	\$121,259,118		Storm Events does not record earthquakes.
3	Volcanic Activity	Very High	Very High	\$23,875,468	n/a	\$2,450,163	\$26,325,630	34	
4	Tsunami	Relatively Moderate	Relatively Moderate	\$14,885,078	n/a	\$0	\$14,885,078	2	
5	Wildfire	Relatively High	Relatively High	\$13,374,222	\$4,346	\$733,423	\$14,111,991	99	
6	Lightning	Very High	Relatively High	\$107,985	n/a	\$2,309,802	\$2,417,788	10	
7	Hurricane	Relatively Low	Relatively Low	\$394,205	\$8,213	\$44,967	\$447,385	4	
8	Coastal Flooding	Relatively Low	Relatively Low	\$125,245	n/a	\$135	\$125,380	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
9	Tornado	Very Low	Very Low	\$24,834	\$160	\$8,461	\$33,455	1	
10	Landslide	Relatively Low	Relatively Low	\$3,279	n/a	\$19,896	\$23,175	4	
11	Drought	Very Low	Very Low	n/a	\$15,774	n/a	\$15,774	225	
12	Strong Wind	Very Low	Very Low	\$4,110	\$1,375	\$5,826	\$11,312	221	Includes 182 High Wind and 33 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
13	Hail	Very Low	Very Low	\$6,315	\$369	\$1,684	\$8,369	11	
14	Ice Storm	Very Low	Very Low	\$2,210	n/a	\$1,111	\$3,321	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
15	Winter Weather	Very Low	Very Low	\$358	under \$1	\$146	\$504	61	
16	Cold Wave	Very Low	Very Low	under \$1	\$3	\$11	\$14	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
17	Heat Wave	No Rating	No Expected Annual Losses	\$0	\$0	\$0	\$0	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

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

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

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 205 (Very High, 99.9); tract 203 (Very High, 99.8); tract 206 (Very High, 99.8)
Hurricane	tract 205 (Relatively Low, 60.7); tract 215.04 (Relatively Low, 60.5); tract 206 (Relatively Low, 60.2)
Landslide	tract 213 (Relatively Moderate, 97.0); tract 215.02 (Relatively Moderate, 96.9); tract 220 (Relatively Low, 95.2)
Tornado	tract 217.08 (Very Low, 7.5); tract 215.04 (Very Low, 6.1); tract 215.10 (Very Low, 5.2)
Tsunami	tract 206 (Relatively High, 97.2); tract 205 (Relatively High, 96.9); tract 203 (Relatively High, 96.2)
Volcanic Activity	tract 205 (Very High, 100.0); tract 206 (Very High, 100.0); tract 210.13 (Very High, 100.0)
Wildfire	tract 217.08 (Very High, 99.6); tract 218 (Very High, 99.5); tract 217.07 (Very High, 99.4)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 205 is Census Tract 205). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	0					
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	225 records, 1998 to 2026 (225 zone-level)	22 days to 2,069 days (median 210.5 days); 18 with a recorded value	2069 days (68 months), 2008-07-01 to 2014-02-28, a run of 71 consecutive Storm Events drought records, zone-level	Drought, 2025-08-01, \$0 property; \$1,000,000 crops (zone total, 2025 dollars)	Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	11 records, 1997 to 2021	0.75 in to 1 in (median 0.75 in); 11 with a recorded value	1 in hail, 2012-03-08; same size also recorded on 2002-02-25, 2006-03-24		No event record names a jurisdiction in the plan.	
Excessive Heat, Heat	heat index (in event narratives)	0					
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	4 records, 2013 to 2024 (4 zone-level)		Strongest recorded: Tropical Storm record, 2024-08-25, \$10,000 property; \$0 crops (2024 dollars); NWS zone HIZ023		Countywide (zone-level records).	Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	0					
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	243 records, 1996 to 2026 (16 zone-level)		Flash Flood, 2000-11-01, \$70,000,000 property; crops not reported (2000 dollars)		No event record names a jurisdiction in the plan. Zone-level records (16) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	4 records, 2020 to 2023		No damage reported in 4 records.		No event record names a jurisdiction in the plan.	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	10 records, 1996 to 2023		Lightning, 2017-10-12, \$15,000 property; \$0 crops (2017 dollars)		No event record names a jurisdiction in the plan.	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	215 records, 1996 to 2026 (215 zone-level)	35 kt (40 mph) to 149 kt (171 mph) (median 61 kt (70 mph)); 194 with a recorded value	149 kt (171 mph) measured gust, High Wind, 2014-03-02; NWS zone HIZ028	High Wind, 1997-02-24, \$2,100,000 property; \$2,000,000 crops (zone total, 1997 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	6 records, 1999 to 2018	40 kt (46 mph) to 78 kt (90 mph) (median 56.5 kt (65 mph)); 6 with a recorded value	78 kt (90 mph) estimated gust, Thunderstorm Wind, 2004-02-27		No event record names a jurisdiction in the plan.	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	10 records, 1955 to 2004	F/EF0 to F/EF1 (median between F/EF0 and F/EF1); 6 with a recorded value	F1 tornado, 1980-03-20, 1 mi path length (whole path, pre-1996), 10 yd wide, \$250 property; crops not recorded (1980 dollars)	Tornado, 1971-01-28, \$2,500,000 property; crops not recorded (1971 dollars)	No event record names a jurisdiction in the plan.	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Tsunami	none (count and damage only)	2 records, 2011 to 2025 (2 zone-level)		Tsunami, 2011-03-11, \$14,200,000 property; \$0 crops (2011 dollars); NWS zone HIZ023		Countywide (zone-level records).	
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	34 records, 2018 to 2026 (34 zone-level)		No damage reported in 34 records.		Countywide (zone-level records).	
Wildfire	acres burned (local data)	99 records, 1998 to 2025 (74 zone-level)		Wildfire, 2012-07-01, \$0 property; \$112,000 crops (2012 dollars); NWS zone HIZ024		No event record names a jurisdiction in the plan. Zone-level records (74) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	61 records, 1997 to 2023 (61 zone-level)		No damage reported in 61 records.		Countywide (zone-level records).	

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of debris flow, lightning, tsunami and volcanic ash, volcanic ashfall.

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 34 declarations covering 29 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2026-09-25	2026-09-23	EM-3654-HI	Emergency	Tropical Storm Nolo	Hurricane (primary); also designated: Inland Flooding, Landslide	not yet in FEMA's PA summaries (they cover declarations through 2026-06-30)	new since last plan; within last 5 years	
2026-09-01	2026-05-22	DR-4936-HI	Major disaster	Earthquake	Earthquake	PA not declared for this county	new since last plan; within last 5 years	
2026-08-25	2026-08-14	EM-3652-HI	Emergency	Hurricane Lala	Hurricane	not yet in FEMA's PA summaries (they cover declarations through 2026-06-30)	new since last plan; within last 5 years	
2026-07-26	2026-07-26	FM-5650-HI	Fire management	Kawaihae Road Fire	Wildfire	not yet in FEMA's PA summaries (they cover declarations through 2026-06-30)	new since last plan; within last 5 years	
2026-04-07	2026-03-10	DR-4909-HI	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide	\$96,179.44	new since last plan; within last 5 years	
2023-08-10	2023-08-08	DR-4724-HI	Major disaster	Wildfires and High Winds	Wildfire	\$553,720.52	within last 5 years	
2023-08-09	2023-08-08	FM-5478-HI	Fire management	Mauna Kea Beach Fire	Wildfire	no Public Assistance recorded	within last 5 years	same incident as DR-4724
2023-08-08	2023-08-08	FM-5474-HI	Fire management	Kohala Ranch Fire	Wildfire	no Public Assistance recorded	within last 5 years	same incident as DR-4724
2021-08-01	2021-08-01	FM-5404-HI	Fire management	Mana Road Fire	Wildfire	no Public Assistance recorded		
2020-07-25	2020-07-23	EM-3529-HI	Emergency	Hurricane Douglas	Hurricane	\$14,603.60		
2020-04-01	2020-01-20	DR-4510-HI	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$12,243,459.80		
2020-03-13	2020-01-20	EM-3431-HI	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4510

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2018-09-27	2018-08-22	DR-4395-HI	Major disaster	Hurricane Lane	Hurricane	\$15,012,253.04		
2018-09-12	2018-09-09	EM-3404-HI	Emergency	Tropical Storm Olivia	Hurricane	no Public Assistance recorded		
2018-08-22	2018-08-22	EM-3399-HI	Emergency	Hurricane Lane	Hurricane	no Public Assistance recorded		same incident as DR-4395
2018-05-11	2018-05-03	DR-4366-HI	Major disaster	Kilauea Volcanic Eruption and Earthquakes	Volcanic Activity	\$104,168,996.01		
2014-11-03	2014-09-04	DR-4201-HI	Major disaster	Pu'u O'O Volcanic Eruption and Lava Flow	Volcanic Activity	\$6,920,896.64		
2014-09-12	2014-08-07	DR-4194-HI	Major disaster	Tropical Storm Iselle	Hurricane	\$2,801,534.86		
2011-04-08	2011-03-11	DR-1967-HI	Major disaster	Tsunami Waves	Tsunami	\$370,905.61		
2008-02-06	2007-12-04	DR-1743-HI	Major disaster	Severe Storms, High Surf, Flooding, and Mudslides	Inland Flooding; Landslide	\$286,879.69		
2007-10-28	2007-10-28	FM-2740-HI	Fire management	Puako Fire	Wildfire	no Public Assistance recorded		
2007-08-17	2007-08-16	FM-2722-HI	Fire management	Kohala Mountain Road Fire	Wildfire	no Public Assistance recorded		
2006-10-17	2006-10-15	DR-1664-HI	Major disaster	Earthquake	Earthquake	\$8,383,863.55		
2005-08-04	2005-08-02	FM-2574-HI	Fire management	Akoni Pule Highway Fire	Wildfire	no Public Assistance recorded		
2005-08-02	2005-08-01	FM-2573-HI	Fire management	Lalamilo Fire	Wildfire	no Public Assistance recorded		
2004-09-14	2004-09-12	FM-2556-HI	Fire management	Kawaihae Road Fire Hawaii	Wildfire	no Public Assistance recorded		
2003-05-18	2003-05-18	FM-2468-HI	Fire management	Hi - Waikoloa Village Fire - 05/18/2003	Wildfire	no Public Assistance recorded		
2000-11-09	2000-10-28	DR-1348-HI	Major disaster	Severe Storms and Flooding	Inland Flooding	\$3,552,781.44		
2000-03-20	2000-03-20	FM-2293-HI	Fire management	Hawaii County Fire Complex	Wildfire	no Public Assistance recorded		
1992-09-12	1992-09-11	DR-961-HI	Major disaster	Hurricane Iniki	Hurricane	no Public Assistance recorded		
1990-05-18	1983-01-24	DR-864-HI	Major disaster	Lava Flow, Kilauea Volcano	Volcanic Activity (primary); also designated: Wildfire	no Public Assistance recorded		
1979-03-07	1979-03-07	DR-573-HI	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
1975-12-07	1975-12-07	DR-490-HI	Major disaster	Earthquake, Seismic Waves & Volcanic Eruption	Earthquake (primary); also designated: Volcanic Activity	no Public Assistance recorded		
1973-05-16	1973-05-16	DR-383-HI	Major disaster	Earthquake	Earthquake	no Public Assistance recorded		

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

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1963-04-24	1963-04-24	DR-152-HI	Major disaster	Heavy Rains & Flooding	Inland Flooding
1960-05-25	1960-05-25	DR-101-HI	Major disaster	Tidal Waves	Tsunami
1960-01-21	1960-01-21	DR-96-HI	Major disaster	Earthquakes & Volcanic Disturbances	Earthquake (primary); also designated: Volcanic Activity
1959-08-16	1959-08-16	DR-94-HI	Major disaster	Hurricane Dot	Hurricane (primary); also designated: Inland Flooding
1957-03-16	1957-03-16	DR-71-HI	Major disaster	Tidal Wave	Tsunami
1955-04-01	1955-04-01	DR-32-HI	Major disaster	Volcano	Volcanic Activity

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

4 Fire Management declarations (1983-03-04 to 1998-08-25) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Coastal Flooding	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Drought	225	5	7	53	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	4	1		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	11	0	0	0	0	0	1955 to 2026-06-30	
Heat Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Hurricane	4	0	2	3	7	2	1996 to 2026-06-30	

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Ice Storm	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Inland Flooding	243	7	4	33	5	2	1996 to 2026-06-30	
Landslide	4	0	0	2	3	2	1996 to 2026-06-30	
Lightning	10	0	0	2	0	0	1996 to 2026-06-30	
Strong Wind	221	1	0	11	0	0	1955 to 2026-06-30	Includes 182 High Wind and 33 Strong Wind records.
Tornado	10	0	0	0	0	0	1950 to 2026-06-30	
Tsunami	2	0	1	1	1	0	1996 to 2026-06-30	
Volcanic Activity	34	1	0	3	4	0	1996 to 2026-06-30	
Wildfire	99	1	0	7	11	1	1996 to 2026-06-30	
Winter Weather	61	0	0	10	0	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2024-08-25	Tropical Storm		\$10,000 property; \$0 crops (zone total, 2024 dollars)	0, 0	NWS zone HIZ023 (KONA), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2018-02-18	Thunderstorm Wind	50 kt (58 mph) estimated gust	\$0 property; \$0 crops (2018 dollars)	1, 0	HOLUALOA		deaths or injuries recorded
2018-02-18	Flash Flood		\$0 property; \$0 crops (2018 dollars)	1, 0	HONOKAA		deaths or injuries recorded
2017-10-12	Lightning		\$15,000 property; \$0 crops (2017 dollars)	0, 0	HILO		B1-c worst recorded: Lightning
2014-03-02	High Wind	149 kt (171 mph) measured gust	\$0 property; \$0 crops (zone total, 2014 dollars)	0, 0	NWS zone HIZ028 (BIG ISLAND SUMMIT), zone-level		B1-c worst recorded: High Wind and Strong Wind
2012-07-01	Wildfire		\$0 property; \$112,000 crops (zone total, 2012 dollars)	0, 0	NWS zone HIZ024 (SOUTH BIG ISLAND), zone-level		B1-c worst recorded: Wildfire
2011-07-10	Flash Flood		\$0 property; \$0 crops (2011 dollars)	1, 1	PAPAIKOU		deaths or injuries recorded
2011-03-11	Tsunami		\$14,200,000 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone HIZ023 (KONA), zone-level		B1-c worst recorded: Tsunami
2008-07-01	Drought		\$0 property; \$0 crops (zone total, 2008 dollars)	0, 0	NWS zone HIZ025 (BIG ISLAND NORTH AND EAST), zone-level		B1-c worst recorded: Drought
2004-02-27	Thunderstorm Wind	78 kt (90 mph) estimated gust	property not reported; \$750,000 crops (2004 dollars)	0, 0	MILOLII		B1-c worst recorded: Thunderstorm Wind
2000-11-01	Flash Flood		\$70,000,000 property; crops not reported (2000 dollars)	0, 0	LAUPAHOEHOE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1980-03-20	Tornado	F1, 1 mi path length (whole path, pre-1996), 10 yd wide	\$250 property; crops not recorded (1980 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (924 rows).

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

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

FEMA's declaration data list no tribal or special-area declarations for this state.

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Coastal Flooding	0.777	events per year at a location (modeled)	about 0.78 per year at a given location in the county		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Cold Wave	0.00279	event-days per year	about 0.00279 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	0.042	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events cold wave record, 1996 to 2025.
Drought	39.3	event-days per year	about 39.3 days per year	Likely	Storm Events event-days in 22 of 30 years, 1996 to 2025 (73.3%)	3,318	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.402	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 40.2%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.0114	events per year	about 1 in 87 years	Possible	FEMA annualized frequency (modeled)	0.5 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0	event-days per year	none modeled		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	0	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane	0.0502	events per year	about 1 in 20 years	Possible	FEMA annualized frequency (modeled)	8	1949 to 2024 (Pacific)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.00713	event-days per year	about 0.00713 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	0	1946-12-31 to 2014-02-12 (67 years)	countywide	No Storm Events ice storm record, 1996 to 2025
Inland Flooding	5.64	event-days per year	about 5.64 days per year	Highly likely	Storm Events event-days in 27 of 30 years, 1996 to 2025 (90%)	158	1996 to 2023 (28 years)	see B1-f	
Landslide	14.2	events per year (modeled)	about 14.2 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
Lightning	70	days per year with a strike	about 70 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.00647	events per year	about 1 in 155 years	Unlikely	FEMA annualized frequency (modeled)	1	1986 to 2023 (38 years)	countywide	
Tornado	0.0327	events per year	about 1 in 31 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami	0.664	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: 66.4%	Possible	Storm Events records in 2 of 30 years, 1996 to 2025 (6.67%)	not shown	modeled	see B1-f	
Volcanic Activity	0.0224	annual probability	about 1 in 45 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.008	annual probability at a location	chance a given location in the county burns in a year: 0.8%	Likely	Storm Events records in 26 of 30 years, 1996 to 2025 (86.7%)	not shown	modeled	see B1-f	
Winter Weather	1.96	event-days per year	about 1.96 days per year	Likely	Storm Events event- days in 21 of 30 years, 1996 to 2025 (70%)	32	2005-11-12 to 2024-11-12 (19 years)	countywide	

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

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

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

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	3	30	0.1
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	3	30	0.1
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	1	30	0.0333
Tornado	EF0-1	1996 to 2025	1	30	0.0333
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Coastal Flooding	25 of 43	71.1	78.1	90.6	Relatively Moderate 3, Relatively Low 10, Very Low 12, No Rating 18
Cold Wave	5 of 43	15.4	15.5	15.6	Very Low 5, No Rating 38
Drought	20 of 43	67.3	73.4	85.4	Relatively Low 4, Very Low 16, No Rating 23
Earthquake	43 of 43	85.2	97.4	99.9	Very High 22, Relatively High 20, Relatively Moderate 1
Hail	43 of 43	1.3	4.4	18.7	Very Low 43
Heat Wave	0 of 43				No Rating 43
Hurricane	43 of 43	40.1	52.5	60.7	Relatively Low 30, Very Low 13
Ice Storm	4 of 43	5.9	10.3	15.3	Very Low 4, Not Applicable 39
Inland Flooding	43 of 43	34.4	99.5	100.0	Very High 33, Relatively High 9, Relatively Low 1
Landslide	43 of 43	15.1	56.4	97.0	Relatively Moderate 2, Relatively Low 9, Very Low 32
Lightning	43 of 43	67.2	93.9	98.9	Very High 15, Relatively High 24, Relatively Moderate 4
Strong Wind	43 of 43	1.0	3.2	7.9	Very Low 43
Tornado	43 of 43	0.9	2.1	7.5	Very Low 43
Tsunami	25 of 43	14.0	58.7	97.2	Relatively High 3, Relatively Moderate 6, Relatively Low 7, Very Low 9, No Rating 1, Not Applicable 17
Volcanic Activity	43 of 43	96.9	99.8	100.0	Very High 22, Relatively High 9, Relatively Moderate 11, Relatively Low 1
Wildfire	43 of 43	74.5	96.4	99.6	Very High 3, Relatively High 20, Relatively Moderate 16, Relatively Low 4
Winter Weather	4 of 43	15.6	16.8	18.6	Relatively Low 1, Very Low 3, Not Applicable 39

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>
Hawaii County	County	Approved, expires 2030-08-05	FMA RL 1, SRL 13; any 48	\$7,080.33	0 total; 0 since its plan

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

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

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

Local data needed

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

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-08-06	Zone-level damage since plan	Public Assistance since plan <i>nominal dollars; see note</i>	Note
								<i>county-coded records, property plus crops, nominal dollars</i>	<i>property plus crops, reported for the zone</i>		
Coastal Flooding	\$2,028,928,360	n/a	5,947	\$125,245	n/a	\$135	0.00617%				
Cold Wave	\$24,410,531	\$434,821	25	under \$1	\$3	\$11	under 0.0001%				
Drought	n/a	\$26,281,836	n/a	n/a	\$15,774	n/a	0.06% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-08-06 <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
Earthquake	\$67,504,839,079	n/a	200,629	\$88,138,499	n/a	\$33,120,619	0.131%			no Public Assistance recorded (1 declaration)	
Hail	\$39,832,245,290	\$346,540,099	200,469	\$6,315	\$369	\$1,684	under 0.0001%				
Heat Wave	\$0	\$0	0	\$0	\$0	\$0					building exposure is 0 in NRI
Hurricane	\$39,627,086,424	\$344,101,990	198,831	\$394,205	\$8,213	\$44,967	0.000995%			no Public Assistance recorded (2 declarations)	
Ice Storm	\$2,451,673,154	n/a	16,289	\$2,210	n/a	\$1,111	under 0.0001%				
Inland Flooding	\$39,794,679,010	\$1,539,103	4,974	\$176,789,372	\$81,101	\$8,461,010	n/a (see note)	\$7,350,000		\$96,179.44	NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$1,343,112,645	n/a	7,267	\$3,279	n/a	\$19,896	0.000244%			\$96,179.44	
Lightning	\$39,832,245,290	n/a	200,469	\$107,985	n/a	\$2,309,802	0.000271%				
Strong Wind	\$39,832,245,290	\$346,540,099	200,469	\$4,110	\$1,375	\$5,826	under 0.0001%		\$200,000		Storm Events damage since the plan includes 1 zone-level High Wind record (\$200,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$39,832,245,290	\$346,540,099	200,469	\$24,834	\$160	\$8,461	under 0.0001%				
Tsunami	\$18,725,427,470	n/a	9,753	\$14,885,078	n/a	\$0	0.0795%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-08-06 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Volcanic Activity	\$39,832,245,290	n/a	200,469	\$23,875,468	n/a	\$2,450,163	0.0599%		\$0		
Wildfire	\$10,248,814,536	\$275,318,495	71,032	\$13,374,222	\$4,346	\$733,423	0.13%		\$0	no Public Assistance recorded (1 declaration)	
Winter Weather	\$489,006,452	\$38,126,194	2,333	\$358	under \$1	\$146	under 0.0001%				

Totals since 2025-08-06 (Storm Events through 2026-06-30): 7 county-coded records, 7 with a damage value recorded (including \$0), \$7,350,000; 8 zone-level records, 8 with a damage value recorded (including \$0), \$200,000 reported for the zone; Public Assistance: \$96,179.44 on 5 counted declarations, 1 of them with Public Assistance.

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

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

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

County context

Source: 5

Measure	Value
Population	200,469
Building value (total, not at risk)	\$39,832,245,290
Agriculture value (total, not at risk)	\$346,540,099
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$317,842,522
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)	\$47,157,255
Social vulnerability rating	Relatively Moderate
Community resilience rating	Relatively Moderate
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	13
Repetitive loss, NFIP insurance definition	48	Severe repetitive loss, NFIP insurance definition	13

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

Repeat-flood properties: county total and NFIP communities

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	1	13	48	13	48	0	12
of which: Hawaii County (unincorporated area)	1	13	48	13	48	0	12

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Hawaii County	155166	1	13	48	13	48	0	12

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

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

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	0	6	23	6	23	0	3
2 to 4 unit residential	0	0	4	0	4	0	0
other residential	1	6	11	6	11	0	6
non-residential	0	1	10	1	10	0	3
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 47 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

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

What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each item is met.

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

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

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