

Linn County, IA

Risk-assessment baseline packet

Unit **County area 19113** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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

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

OPENFEMA DISCLAIMER

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

Plan clock

Status	Approved, expires 2030-06-01	Plan	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)
Approved	2025-06-02	Expires	2030-06-01
As of	2026-09-28	Days	1,342 days to expiry

What changed since your last plan (approved 2025-06-02)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	62 (data through 2026-06-30)
Repetitive loss now	FMA RL 0, SRL 2 (44 CFR 77.2); any definition: 38	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: 30 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock**Plan status for every jurisdiction listed in this county**

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Update underway	Notes
Linn County	County	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Alburnett city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Bertram city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Cedar Rapids city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Center Point city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Central City city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Coggon city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Ely city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Fairfax city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Hiawatha city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Lisbon city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Marion city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Mount Vernon city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Palo city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Prairieburg city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Robins city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Springville city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Walford city	City	Expired on 2026-06-03	Benton County (FEMA plan 107446)	2021-06-03	2026-06-03	-117		
Walker city	City	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Alburnett Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Cedar Rapids Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Center Point-Urbana Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Central City Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
College Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Linn-Mar Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Lisbon Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Marion Independent School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Mount Vernon Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
North Linn Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		
Springville Community School District	School/School District	Approved, expires 2030-06-01	Linn County Multi-Jurisdictional HM Plan (FEMA plan 110392)	2025-06-02	2030-06-01	1,342		

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 <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
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$35,220,493	\$313,439	\$682,561	\$36,216,494	88		

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
2	Tornado	Relatively High	Relatively High	\$11,671,525	\$12,799	\$4,466,710	\$16,151,034	41		
3	Strong Wind	Very High	Very High	\$1,376,062	\$68,222	\$6,458,571	\$7,902,856	492		Includes 17 High Wind records and 2 Strong Wind records, event types the NRI definition of this hazard leaves out.
4	Hail	Relatively High	Relatively High	\$5,915,343	\$213,590	\$581,423	\$6,710,356	359		
5	Cold Wave	Relatively Moderate	Relatively High	\$6,490	\$129,116	\$5,786,956	\$5,922,562	26		Includes 7 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
6	Drought	Relatively Moderate	Relatively High		\$1,756,940		\$1,756,940	13		
7	Lightning	Relatively High	Relatively High	\$61,886		\$1,125,357	\$1,187,243	15		
8	Heat Wave	Relatively Low	Relatively Low	\$28,052	\$5	\$1,079,390	\$1,107,447	4		
9	Ice Storm	Relatively High	Relatively High	\$315,438		\$489,286	\$804,723	10		
10	Winter Weather	Relatively High	Relatively High	\$128,260	\$449	\$658,647	\$787,356	166		
11	Earthquake	Very Low	Relatively Low	\$377,308		\$120,983	\$498,291			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
12	Wildfire	Very Low	Very Low	\$40,951	\$110	\$8,423	\$49,484	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.
13	Landslide	Relatively Low	Very Low	\$1,750		\$4,512	\$6,262	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.
14	Hurricane	Very Low	Very Low	\$3,928	\$1,385	under \$1	\$5,313	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche 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).
	Coastal Flooding	Not Applicable	Not Applicable					0	NRI rates coastal flooding Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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
	Tsunami	Not Applicable	Not Applicable					0	NRI rates tsunami Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	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.	0 of 54
Coastal Flooding	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 54
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	31 of 54
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.	54 of 54
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
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.	54 of 54
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
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.	54 of 54
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.	54 of 54
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
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.	54 of 54
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 54

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
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 54
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.	51 of 54
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54

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)	0					Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	19, 1996 to 2019 (19 zone-level)	1 day to 31 days (median 3 days); 14 with a recorded value	31 days, 2000-12-01 to 2000-12-31, from 4 records, 1 of them a monthly summary (a monthly summary record covers most or all of a month; it does not count days at wave conditions), zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	7, 2005 to 2012 (7 zone-level)		Frost/Freeze, 2005-05-03, \$1,390,000 crop damage, reported for the zone (2005 dollars); NWS zone IAZ052 (LINN), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	13, 2003 to 2013 (13 zone-level)	12 days to 215 days (median 26.5 days); 6 with a recorded value	215 days (7 months), 2005-07-01 to 2006-01-31, a run of 7 consecutive Storm Events drought records, zone-level	Drought, 2003-08-01, property not reported; \$14,880,000 crops, reported for the zone (2003 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					No Storm Events record; local data required (e.g., USGS).

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hail	hail size (inches)	389, 1956 to 2026	0.75 in to 2.75 in (median 1 in); 389 with a recorded value	2.75 in hail, 2020-07-11; same size also recorded on 2020-04-07	Hail, 2003-05-10, \$3,000,000 property; crops not reported (2003 dollars)	Event records naming member places: Cedar Rapids city (93 records), Marion city (65 records), Hiawatha city (28 records), Fairfax city (11 records), Mount Vernon city (11 records), Palo city (10 records), Prairieburg city (10 records), Springville city (10 records), Robins city (9 records), Alburnett city (7 records); and 6 more member places (see the XLSX file).	
Excessive Heat, Heat	heat index (narratives)	4, 1997 to 2013 (4 zone- level)	3 days to 13 days (median 4.5 days); 4 with a recorded value	13 consecutive days, 1999-07-19 to 1999-07-31, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	10, 2000 to 2024 (10 zone- level)		Ice Storm, 2007-02-24, \$989,000 property; \$0 crops, reported for the zone (2007 dollars); NWS zone IAZ052 (LINN), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	88, 1996 to 2026 (7 zone- level)		Flood, 2008-06-01, \$750,000,000 property; \$0 crops (2008 dollars)		Event records naming member places: Cedar Rapids city (35 records), Hiawatha city (9 records), Marion city (8 records), Palo city (3 records), Bertram city (2 records), Coggon city (2 records), Ely city (2 records), Walker city (2 records), Central City city (1 record), Fairfax city (1 record); and 4 more member places (see the XLSX file). Zone-level records (7) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	15, 1997 to 2019		Lightning, 2015-06-20, \$0 property; \$0 crops (2015 dollars), 1 direct death	Lightning, 2012-09-07, \$50,000 property; \$0 crops (2012 dollars)	Event records naming member places: Cedar Rapids city (8 records), Fairfax city (1 record), Hiawatha city (1 record), Marion city (1 record), Mount Vernon city (1 record), Palo city (1 record).	Storm Events lists lightning with damage or casualties; physical measure 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
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	19, 1997 to 2025 (19 zone-level)	35 kt (40 mph) to 58 kt (67 mph) (median 51.5 kt (59 mph)); 18 with a recorded value	58 kt (67 mph) measured gust, High Wind, 2022-03-25; NWS zone IAZ052 (LINN), zone-level: may include parts of neighboring counties	High Wind, 2003-06-10, \$500,000 property; \$50,000 crops, reported for the zone (2003 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	579, 1955 to 2026	50 kt (58 mph) to 122 kt (140 mph) (median 56 kt (64 mph)); 547 with a recorded value	122 kt (140 mph) estimated gust, Thunderstorm Wind, 2020-08-10, 1 direct death, 100 direct injuries	Thunderstorm Wind, 2003-07-20, \$5,000,000 property; crops not reported (2003 dollars)	Event records naming member places: Cedar Rapids city (150 records), Marion city (52 records), Hiawatha city (34 records), Mount Vernon city (21 records), Fairfax city (16 records), Walker city (16 records), Springville city (13 records), Palo city (12 records), Alburnett city (10 records), Central City city (10 records); and 7 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	64, 1953 to 2025	F/EF0 to F/EF4 (median F/EF1); 57 with a recorded value	F4 tornado, 1990-03-13, 4 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 200 yd wide, \$25,000,000 property; crops not recorded (1990 dollars)		Event records naming member places: Prairieburg city (4 records), Cedar Rapids city (3 records), Coggon city (3 records), Lisbon city (3 records), Alburnett city (2 records), Central City city (2 records), Ely city (2 records), Marion city (2 records), Mount Vernon city (2 records), Palo city (2 records); and 3 more member places (see the XLSX file).	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)	0					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)	166, 1996 to 2026 (166 zone-level)		Heavy Snow, 2005-01-05, \$20,000 property; crops not reported, reported for the zone (2005 dollars); NWS zone IAZ052 (LINN), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

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 23 Counted incidents 19

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-08-17	2020-08-10	DR-4557-IA	Major disaster	SEVERE STORMS	Hazard not mapped (severe storm title names no single hazard); not counted	\$152,297,974.91		
2020-03-23	2020-01-20	DR-4483-IA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$29,290,124.39		
2020-03-13	2020-01-20	EM-3480-IA	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4483
2016-10-31	2016-09-21	DR-4289-IA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$7,797,370.99		
2014-08-05	2014-06-26	DR-4187-IA	Major disaster	SEVERE STORMS, TORNADOES, STRAIGHT-LINE WINDS, AND FLOODING	Inland Flooding; Strong Wind; Tornado	\$4,222,798.99		
2013-07-02	2013-05-19	DR-4126-IA	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado	\$605,363.03		
2008-05-27	2008-05-25	DR-1763-IA	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado	\$389,965,904.07		
2008-01-04	2007-12-10	DR-1737-IA	Major disaster	SEVERE WINTER STORM	Ice Storm	\$1,318,382.31		
2007-03-14	2007-02-23	DR-1688-IA	Major disaster	SEVERE WINTER STORMS	Winter Weather	\$920,736.16		
2005-09-10	2005-08-29	EM-3239-IA	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	\$15,093.12		
2004-05-25	2004-05-19	DR-1518-IA	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado	\$673,768.20		
2002-06-19	2002-06-03	DR-1420-IA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$1,132,046.42		
1999-07-22	1999-07-02	DR-1282-IA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	
						<i>federal share obligated, nominal dollars</i>	Flags Notes
1999-05-21	1999-05-16	DR-1277-IA	Major disaster	SEVERE STORMS, FLOODING, AND TORNADOES	Inland Flooding; Tornado	\$346,682.91	
1998-07-02	1998-06-13	DR-1230-IA	Major disaster	SEVERE STORMS, TORNADOES AND FLOODING	Inland Flooding (primary); also designated: Tornado	PA not declared for this county	
1993-07-09	1993-04-13	DR-996-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found	
1993-04-26	1993-03-26	DR-986-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found	
1990-09-06	1990-07-25	DR-879-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	PA not declared for this county	
1990-05-26	1990-05-18	DR-868-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	PA not declared for this county	
1974-06-24	1974-06-24	DR-443-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found	
1969-08-14	1969-08-14	DR-269-IA	Major disaster	HEAVY RAINS & FLOODING	Inland Flooding	none found	
1968-08-04	1968-08-04	DR-248-IA	Major disaster	HEAVY RAINS & FLOODING	Inland Flooding	none found	
1965-04-22	1965-04-22	DR-193-IA	Major disaster	FLOODING	Inland Flooding	none found	

School districts and special districts in this county: \$22,837,214.72 (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
1962-09-05	1962-09-05	DR-133-IA	Major disaster	FLOODS	Inland Flooding		
1961-03-31	1961-03-31	DR-111-IA	Major disaster	FLOODS	Inland Flooding		
1958-07-05	1958-07-05	DR-86-IA	Major disaster	FLOODS	Inland Flooding		
1954-06-23	1954-06-23	DR-17-IA	Major disaster	FLOOD	Inland Flooding		
1953-06-11	1953-06-11	DR-8-IA	Major disaster	FLOOD	Inland Flooding		

FEMA recorded these with designated area Statewide and no county. Listed on every county page in the state; not counted with county rows.

SOURCE

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

Public Assistance not placed in a county in this state: 11 rows, \$7,881,708.52

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated <i>federal share obligated, nominal dollars</i>	Why not placed
4557	2020-08-17	The Evangelical Lutheran Good Samaritan Society	Minnehaha County	\$47,682.27	county field is a county of another state and the applicant name does not identify a place in the declaring state
4483	2020-03-23	Gundersen Lutheran Health System, Inc	La Crosse County	\$326,644.22	county field is a county of another state and the applicant name does not identify a place in the declaring state
4421	2019-03-23	City of Bigelow	Nobles County	\$80,835.34	county field is a county of another state and the applicant name does not identify a place in the declaring state
4421	2019-03-23	Dairyland Power Cooperative	La Crosse County	\$247,337.47	county field is a county of another state and the applicant name does not identify a place in the declaring state
4421	2019-03-23	South Dakota Dept of Transportation	Hughes County	\$3,666,245.52	county field is a county of another state and the applicant name does not identify a place in the declaring state
4421	2019-03-23	City of Omaha Parks and Recreation Dept(The Omaha Parks and Recreation)	Douglas County	\$379,432.23	county field is a county of another state and the applicant name does not identify a place in the declaring state
4184	2014-07-24	South Dakota Dept of Transportation	Hughes County	\$1,245,084.61	county field is a county of another state and the applicant name does not identify a place in the declaring state
4181	2014-07-14	Lincoln Electric System	Lancaster County	\$383,692.95	county field is a county of another state and the applicant name does not identify a place in the declaring state
4114	2013-05-06	City of Bigelow	Nobles County	\$5,961.43	county field is a county of another state and the applicant name does not identify a place in the declaring state
1998	2011-06-27	Lincoln Electric System	Lancaster County	\$65,027.74	county field is a county of another state and the applicant name does not identify a place in the declaring state
1688	2007-03-14	Dairyland Power Cooperative	La Crosse County	\$1,433,764.74	county field is a county of another state and the applicant name does not identify a place in the declaring state

FEMA's Public Assistance summaries file these applicants under a county field that is not a county of this state (an Alaska school area, the former Valdez-Cordova Census Area, or another state's county), and the applicant name does not identify one place here. They are listed for the whole state and are not in any county total. Check whether any of them worked in your county.

SOURCE

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (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	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
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	26	0	0	0	0	0	1996 to 2026-06-30	Includes 7 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
Drought	13	0	0	0	0	0	1996 to 2026-06-30	

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	389	26	1	64	0	0	1955 to 2026-06-30	
Heat Wave	4	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	10	0	1	2	1	0	1996 to 2026-06-30	
Inland Flooding	88	5	6	11	17	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	15	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	598	26	18	105	1	0	1955 to 2026-06-30	Includes 17 High Wind records and 2 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	64	3	1	7	6	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	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	166	2	1	11	1	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
2022-03-25	High Wind	58 kt (67 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2022 dollars)	0, 0	NWS zone IAZ052 (LINN), 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)
2020-08-10	Thunderstorm Wind	122 kt (140 mph) estimated gust	\$0 property; \$0 crops (2020 dollars)	1, 100	COVINGTON to LISBON MOHN ARPT		deaths or injuries recorded

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2020-07-11	Hail	2.75 in	\$0 property; \$0 crops (2020 dollars)	0, 0	FAIRFAX		B1-c worst recorded: Hail
2015-06-20	Lightning		\$0 property; \$0 crops (2015 dollars)	1, 0	PALO		B1-c worst recorded: Lightning
2014-06-30	Flash Flood		\$0 property; \$0 crops (2014 dollars)	1, 1	CEDAR RAPIDS		deaths or injuries recorded
2008-06-01	Flood		\$750,000,000 property; \$0 crops (2008 dollars)	0, 0	CENTER PT		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2005-07-01	Drought		property not reported; \$4,560,000 crops, reported for the zone (2005 dollars)	0, 0	NWS zone IAZ052 (LINN), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
2005-05-03	Frost/Freeze		property not reported; \$1,390,000 crops, reported for the zone (2005 dollars)	0, 0	NWS zone IAZ052 (LINN), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/Freeze (outside NRI Cold Wave definition)
2000-12-01	Cold/Wind Chill		damage not reported	0, 0	NWS zone IAZ052 (LINN), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1999-07-19	Heat		damage not reported	0, 0	NWS zone IAZ052 (LINN), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
1992-07-13	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	damage not recorded (pre-1996 record)	1, 2	location not recorded		deaths or injuries recorded
1990-03-13	Tornado	F4, 4 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 200 yd wide	\$25,000,000 property; crops not recorded (1990 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the **XLSX** file, sheet "**B1-d Storm Events history**" (1,373 rows).

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

SOURCES

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

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

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Cold Wave	7.89	event-days per year	about 7.89 days per year	Likely	event-days in 10 of 30 years, 1996 to 2025 (33.3%)	150	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 7.89 cold wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 10 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	13	event-days per year	about 13 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	357	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 13 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 5 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Earthquake	0.000743	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0743%			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	4.66	events per year	about 4.66 per year	Highly likely	FEMA annualized frequency (modeled)	177.1 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	5.95	event-days per year	about 5.95 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	92	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 5.95 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.

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
Hurricane	0.0057	events per year	about 1 in 175 years	Unlikely	FEMA annualized frequency (modeled)	2	1851 to 2024 (Atlantic)	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	0.309	event-days per year	about 0.309 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	21	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.21	event-days per year	about 2.21 days per year	Likely	event-days in 25 of 30 years, 1996 to 2025 (83.3%)	62	1996 to 2023 (28 years)	see B1-f	
Landslide	0.137	events per year (modeled)	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	42.8	days per year with a strike	about 42.8 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	6.1	events per year	about 6.1 per year	Highly likely	FEMA annualized frequency (modeled)	232	1986 to 2023 (38 years)	countywide	
Tornado	0.678	events per year	about 0.68 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.000244	annual probability at a location	chance a given location in the county burns in a year: 0.0244%		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)
Winter Weather	16.6	event-days per year	about 16.6 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	315	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	199	30	6.63
Hail	2.00 in+	1996 to 2025	18	30	0.6
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	398	30	13.3
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	59	30	1.97
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	9	30	0.3

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	EF0-1	1996 to 2025	29	30	0.967
Tornado	EF2-3	1996 to 2025	6	30	0.2
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	6	30	0.2

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

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

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

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 54				Not Applicable 54	
Coastal Flooding	0 of 54				Not Applicable 54	
Cold Wave	54 of 54	34.3	60.8	80.6	Relatively High 6, Relatively Moderate 44, Relatively Low 4	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	31 of 54	69.5	86.5	97.9	Relatively High 1, Relatively Moderate 7, Relatively Low 12, Very Low 11, No Rating 23	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	54 of 54	3.6	20.0	55.5	Relatively Low 3, Very Low 51	
Hail	54 of 54	65.6	90.6	98.8	Very High 1, Relatively High 35, Relatively Moderate 17, Relatively Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	54 of 54	5.6	20.8	45.7	Relatively Low 42, Very Low 12	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	54 of 54	12.5	17.8	26.1	Very Low 54	
Ice Storm	54 of 54	35.5	73.3	90.2	Relatively High 1, Relatively Moderate 34, Relatively Low 19	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	54 of 54	4.2	48.5	90.2	Relatively High 5, Relatively Moderate 22, Relatively Low 20, Very Low 7	
Landslide	54 of 54	16.7	58.3	91.5	Relatively Low 14, Very Low 40	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Lightning	54 of 54	27.9	60.2	85.1	Relatively High 8, Relatively Moderate 41, Relatively Low 5	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	54 of 54	67.0	91.6	98.3	Very High 9, Relatively High 42, Relatively Moderate 3	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	54 of 54	44.3	80.0	99.1	Very High 4, Relatively High 31, Relatively Moderate 18, Relatively Low 1	
Tsunami	0 of 54				Not Applicable 54	
Volcanic Activity	0 of 54				Not Applicable 54	
Wildfire	51 of 54	21.6	49.6	82.1	Relatively Low 9, Very Low 42, No Rating 3	
Winter Weather	54 of 54	54.3	82.9	94.8	Relatively High 43, Relatively Moderate 11	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
Linn County	County	Approved, expires 2030-06-01	FMA RL 0, SRL 1; any 7	\$80,027,918.94	0; 0	Includes \$24,622,006.26 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Alburnett city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$59,252.21	19; 0	Includes \$48,908.02 for declarations not counted as hazard incidents (DR-4557-IA).
Bertram city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$1,312,210.63	8; 1	Includes \$276,150.32 for declarations not counted as hazard incidents (DR-4557-IA).
Cedar Rapids city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 1; any 18	\$349,578,177.24	289; 11	Includes \$54,462,571.27 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Center Point city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$26,772.24	1; 0	
Central City city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 3	\$42,032.08	17; 1	
Coggon city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 1	\$3,498.30	16; 0	

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
Ely city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$194,159.86	17; 0	Includes \$174,210.39 for declarations not counted as hazard incidents (DR-4557-IA).
Fairfax city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$299,897.94	30; 3	Includes \$241,265.05 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Hiawatha city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$985,531.03	73; 2	Includes \$875,605.84 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Lisbon city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$280,098.63	12; 1	Includes \$125,029.69 for declarations not counted as hazard incidents (DR-4557-IA).
Marion city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 2	\$31,209,695.09	128; 6	Includes \$30,136,366.36 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Mount Vernon city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$619,088.15	36; 0	Includes \$512,545.15 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Palo city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 4	\$9,129,295.64	28; 0	Includes \$588,734.10 for declarations not counted as hazard incidents (DR-4557-IA).
Prairieburg city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	none found	23; 3	
Robins city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 1	\$1,868,857.30	22; 2	Includes \$1,682,805.53 for declarations not counted as hazard incidents (DR-4557-IA).
Springville city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 0	\$544,659.66	24; 0	Includes \$430,792.37 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Walford city	City	Expired on 2026-06-03	FMA RL 0, SRL 0; any 0	none found	0; 0	
Walker city	City	Approved, expires 2030-06-01	FMA RL 0, SRL 0; any 2	\$31,983.45	22; 2	

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

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

SOURCES

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

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

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

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

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

Local data required

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

- Critical facilities and lifelines per hazard
- A problem statement per participant per hazard

- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets

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

Hazard	Building exposure <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 2025-06-02 <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											Not Applicable in NRI for this county
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$54,366,136,529	\$281,678,812	230,253	\$6,490	\$129,116	\$5,786,956	under 0.0001%				
Drought		\$193,355,487			\$1,756,940		0.909% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$96,263,192,398		230,299	\$377,308		\$120,983	0.000392%				
Hail	\$54,366,136,529	\$281,678,812	230,253	\$5,915,343	\$213,590	\$581,423	0.0109%	\$0			
Heat Wave	\$54,366,136,529	\$281,678,812	230,253	\$28,052	\$5	\$1,079,390	under 0.0001%				
Hurricane	\$54,225,678,082	\$278,601,122	229,616	\$3,928	\$1,385	under \$1	under 0.0001%				
Ice Storm	\$54,353,763,957		230,165	\$315,438		\$489,286	0.00058%				
Inland Flooding	\$54,356,366,387	\$16,810,621	3,089	\$35,220,493	\$313,439	\$682,561	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	\$810,514,066		3,565	\$1,750		\$4,512	0.000216%				
Lightning	\$54,366,136,529		230,253	\$61,886		\$1,125,357	0.000114%				
Strong Wind	\$54,366,136,529	\$281,678,812	230,253	\$1,376,062	\$68,222	\$6,458,571	0.00253%	\$0			
Tornado	\$54,366,136,529	\$281,678,812	230,253	\$11,671,525	\$12,799	\$4,466,710	0.0215%	\$0			
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$5,693,517,174	\$51,272,401	29,916	\$40,951	\$110	\$8,423	0.000719%				
Winter Weather	\$54,366,136,529	\$281,678,812	230,253	\$128,260	\$449	\$658,647	0.000236%		\$0		

Totals since 2025-06-02 (Storm Events through 2026-06-30): 60 county-coded records, 60 with a damage value recorded (including \$0), \$0; 2 zone-level records, 2 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	230,253
Building value (total, not at risk)	\$54,366,136,529
Agriculture value (total, not at risk)	\$281,678,812
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$57,643,543
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)	\$21,462,820
Social vulnerability rating	Very Low
Community resilience rating	Very High
NRI version	December 2025

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

SOURCE

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

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	2
Repetitive loss, NFIP insurance definition	38	Severe repetitive loss, NFIP insurance definition	2

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

SOURCES

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

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

Repeat-flood properties: county and state-level rows

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	0	2	38	2	38	0	11
CEDAR RAPIDS, CITY OF	0	1	18	1	18	0	6
CENTRAL CITY, CITY OF	0	0	3	0	3	0	2
COGGON, CITY OF	0	0	1	0	1	0	0
MARION, CITY OF	0	0	2	0	2	0	0
PALO, CITY OF	0	0	4	0	4	0	0
ROBINS, CITY OF	0	0	1	0	1	0	0
WALKER, CITY OF	0	0	2	0	2	0	0
LINN COUNTY *	0	1	7	1	7	0	3
State level, not in this county: county not reported	0	0	1	0	1	0	0

SOURCESFEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)**Repeat-flood properties by plan member (NFIP community)**

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Linn County	190829	0	1	7	1	7	0	3	
Alburnett city	190692	0	0	0	0	0	0	0	
Bertram city	190438	0	0	0	0	0	0	0	
Cedar Rapids city	190187	0	1	18	1	18	0	6	
Center Point city	190439	0	0	0	0	0	0	0	
Central City city	190188	0	0	3	0	3	0	2	
Coggon city	190189	0	0	1	0	1	0	0	
Ely city	190440	0	0	0	0	0	0	0	
Fairfax city	190190	0	0	0	0	0	0	0	
Hiawatha city	190441	0	0	0	0	0	0	0	
Lisbon city	190607	0	0	0	0	0	0	0	
Marion city	190191	0	0	2	0	2	0	0	
Mount Vernon city	190192	0	0	0	0	0	0	0	
Palo city	190442	0	0	4	0	4	0	0	
Prairieburg city	190130	0	0	0	0	0	0	0	
Robins city	190443	0	0	1	0	1	0	0	
Springville city	190444	0	0	0	0	0	0	0	
Walford city	190820	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
Walker city	190445	0	0	2	0	2	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	0	1	32	1	32	0	8
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	1	6	1	6	0	3
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 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 38 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](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>
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Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_IA_19113. Preview: automated baseline.