

Dubuque County, IA

Risk-assessment baseline packet

Unit **County area 19061** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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

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Plan clock

Status	Approved, expires 2029-03-31	Plan	Dubuque County (FEMA plan 109761)
Approved	2024-04-01	Expires	2029-03-31
As of	2026-09-28	Days	915 days to expiry

What changed since your last plan (approved 2024-04-01)

New federal declarations	DR-4796-IA (1 declaration row; 1 counted incident)	Storm Events records since approval	97 (data through 2026-06-30)
Repetitive loss now	FMA RL 1, SRL 1 (44 CFR 77.2); any definition: 29	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: 26 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
Dubuque County	County	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Asbury city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Balltown city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Bankston city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Bernard city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Cascade city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915	FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Centralia city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Dubuque city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Durango city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Dyersville city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Epworth city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Farley city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Graf city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Holy Cross city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Luxemburg city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
New Vienna city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Peosta city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Rickardsville city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Sageville city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Sherrill city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Worthington city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Zwingle city	City	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Dubuque Community School District	School/School District	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Maquoketa Community School District	School/School District	Approved, expires 2029-12-19	Jackson County (FEMA plan 110271)	2024-12-20	2029-12-19	1,178		
Western Dubuque County Community School District	School/School District	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		
Northeast Iowa Community College	College/University	Approved, expires 2029-03-31	Dubuque County (FEMA plan 109761)	2024-04-01	2029-03-31	915		

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 Low	Relatively Moderate	\$19,347,007	\$22,871	\$34,525	\$19,404,403	92		
2	Tornado	Relatively Moderate	Relatively High	\$4,327,606	\$12,765	\$4,501,570	\$8,841,942	16		
3	Cold Wave	Relatively Moderate	Relatively High	\$62	\$56,545	\$5,576,219	\$5,632,827	27		Includes 7 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
4	Hail	Relatively Moderate	Relatively High	\$2,376,423	\$385,281	\$146,933	\$2,908,637	171		
5	Strong Wind	Relatively Moderate	Relatively High	\$850,799	\$51,085	\$1,232,676	\$2,134,560	276		Includes 15 High Wind records and 1 Strong Wind record, event types the NRI definition of this hazard leaves out.
6	Heat Wave	Relatively Low	Relatively Low	\$3,990	\$8	\$1,075,492	\$1,079,489	4		
7	Drought	Relatively Moderate	Relatively Moderate		\$849,679		\$849,679	12		

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
8	Winter Weather	Relatively Moderate	Relatively Moderate	\$17,650	\$916	\$234,965	\$253,530	160		
9	Lightning	Relatively Low	Relatively Low	\$30,371		\$205,870	\$236,241	2		
10	Earthquake	Very Low	Very Low	\$114,440		\$38,496	\$152,936			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
11	Ice Storm	Relatively Low	Relatively Moderate	\$56,729		\$85,310	\$142,038	10		
12	Landslide	Relatively Low	Relatively Low	\$9,436		\$57,312	\$66,747	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	Wildfire	Very Low	Very Low	\$14,747	\$206	\$1,638	\$16,592	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	\$1,509	\$2,595	under \$1	\$4,104	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).
	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 27
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 27
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	27 of 27
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 27
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.	27 of 27
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	27 of 27
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	27 of 27
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.	27 of 27
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	27 of 27
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.	27 of 27
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.	27 of 27
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	27 of 27
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	27 of 27
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.	27 of 27
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 27
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 27
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.	27 of 27
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	27 of 27

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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
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	20, 1996 to 2019 (20 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, 2003 to 2012 (7 zone-level)		Frost/Freeze, 2005-05-03, \$24,750 crop damage, reported for the zone (2005 dollars); NWS zone IAZ042 (DUBUQUE), 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	12, 2003 to 2012 (12 zone-level)	22 days to 243 days (median 30 days); 5 with a recorded value	243 days (8 months), 2005-07-01 to 2006-02-28, a run of 8 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).
Hail	hail size (inches)	200, 1955 to 2026	0.75 in to 4.5 in (median 1 in); 200 with a recorded value	4.5 in hail, 1994-08-19		Event records naming member places: Dubuque city (33 records), Cascade city (18 records), Asbury city (17 records), Dyersville city (11 records), Peosta city (11 records), Farley city (6 records), Holy Cross city (6 records), Bernard city (5 records), New Vienna city (5 records), Epworth city (4 records); and 11 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	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, 2005-01-01, \$5,000 property; crops not reported, reported for the zone (2005 dollars); NWS zone IAZ042 (DUBUQUE), 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)	92, 1997 to 2026 (8 zone- level)		Flash Flood, 1999-05-17, \$16,000,000 property; crops not reported (1999 dollars)		Event records naming member places: Dubuque city (26 records), Sageville city (12 records), Dyersville city (9 records), Durango city (8 records), New Vienna city (5 records), Peosta city (3 records), Worthington city (3 records), Asbury city (2 records), Cascade city (2 records), Epworth city (2 records); and 6 more member places (see the XLSX file). Zone-level records (8) 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)	2, 2010 to 2011		Lightning, 2010-08-09, \$250,000 property; \$0 crops (2010 dollars)		Event records naming member places: Dubuque city (1 record), Luxemburg city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	16, 1996 to 2024 (16 zone- level)	35 kt (40 mph) to 60 kt (69 mph) (median 52 kt (60 mph)); 15 with a recorded value	60 kt (69 mph) estimated gust, High Wind, 2021-12-15; NWS zone IAZ042 (DUBUQUE), zone-level: may include parts of neighboring counties	High Wind, 1997-04-06, \$100,000 property; crops not reported, reported for the zone (1997 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Thunderstorm Wind	wind speed (kt and mph)	352, 1957 to 2026	50 kt (58 mph) to 87 kt (100 mph) (median 56 kt (64 mph)); 304 with a recorded value	87 kt (100 mph) estimated gust, Thunderstorm Wind, 2019-06-30, 2 direct injuries	Thunderstorm Wind, 2003-07-05, \$1,000,000 property; crops not reported (2003 dollars)	Event records naming member places: Asbury city (30 records), Dubuque city (28 records), Dyersville city (15 records), Cascade city (11 records), Farley city (11 records), Peosta city (10 records), Durango city (9 records), Epworth city (9 records), Bernard city (7 records), Holy Cross city (6 records); and 10 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	33, 1958 to 2026	F/EF0 to F/EF4 (median F/EF1); 31 with a recorded value	F4 tornado, 1990-03-13, 1 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: Bernard city (3 records), Cascade city (2 records), Epworth city (2 records), Worthington city (2 records), Dubuque city (1 record), Dyersville city (1 record), Holy Cross city (1 record), Luxemburg city (1 record), New Vienna city (1 record), Sherrill city (1 record); and 1 more member place (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)	160, 1996 to 2026 (160 zone-level)		Heavy Snow, 2005-01-05, \$10,000 property; crops not reported, reported for the zone (2005 dollars); NWS zone IAZ042 (DUBUQUE), 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

Supports B1-d: previous occurrences

Declaration rows21

Counted incidents18

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
2024-06-24	2024-06-16	DR-4796-IA	Major disaster	SEVERE STORMS, FLOODING, STRAIGHT-LINE WINDS, AND TORNADOES	Inland Flooding; Strong Wind; Tornado	\$394,361.11	new since last plan; within last 5 years	
2023-08-25	2023-04-24	DR-4732-IA	Major disaster	FLOODING	Inland Flooding	\$707,430.07	during plan review, check whether your last plan included it; within last 5 years	
2020-03-23	2020-01-20	DR-4483-IA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$45,342,164.78		
2020-03-13	2020-01-20	EM-3480-IA	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4483
2017-08-27	2017-07-19	DR-4334-IA	Major disaster	SEVERE STORMS, TORNADOES, STRAIGHT-LINE WINDS, AND FLOODING	Inland Flooding; Strong Wind; Tornado	\$316,031.39		
2011-08-30	2011-07-27	DR-4018-IA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$3,412,065.81		
2010-07-29	2010-06-01	DR-1930-IA	Major disaster	SEVERE STORMS, FLOODING, AND TORNADOES	Inland Flooding; Tornado	\$612,158.27		
2008-05-27	2008-05-25	DR-1763-IA	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado	\$5,820,269.92		
2005-09-10	2005-08-29	EM-3239-IA	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found		
2004-05-25	2004-05-19	DR-1518-IA	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado	\$372,869.93		
2002-06-19	2002-06-03	DR-1420-IA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$878,698.09		
2001-05-02	2001-04-08	DR-1367-IA	Major disaster	SEVERE STORMS, TORNADOES AND FLOODING	Inland Flooding; Tornado	\$191,775.44		
1999-05-21	1999-05-16	DR-1277-IA	Major disaster	SEVERE STORMS, FLOODING, AND TORNADOES	Inland Flooding; Tornado	\$849,007.13		
1993-07-09	1993-04-13	DR-996-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1974-06-24	1974-06-24	DR-443-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
1973-05-23	1973-05-23	DR-386-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1972-09-26	1972-09-26	DR-354-IA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1972-08-18	1972-08-18	DR-348-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		
1969-04-25	1969-04-25	DR-259-IA	Major disaster	FLOODING	Inland Flooding	none found		
1965-04-22	1965-04-22	DR-193-IA	Major disaster	FLOODING	Inland Flooding	none found		

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

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated <i>federal share obligated, nominal dollars</i>	Why not placed
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	27	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	12	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	200	21	8	29	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

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
Ice Storm	10	1	0	2	0	0	1996 to 2026-06-30	
Inland Flooding	92	18	1	19	18	1	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	2	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	368	50	8	73	2	1	1955 to 2026-06-30	Includes 15 High Wind records and 1 Strong Wind record, event types the NRI definition of this hazard leaves out.
Tornado	33	3	1	4	7	1	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	160	4	2	12	0	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
2021-12-15	High Wind	60 kt (69 mph) estimated gust	\$0 property; \$0 crops, reported for the zone (2021 dollars)	0, 0	NWS zone IAZ042 (DUBUQUE), 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)
2019-06-30	Thunderstorm Wind	87 kt (100 mph) estimated gust	\$0 property; \$0 crops (2019 dollars)	0, 2	FILLMORE		B1-c worst recorded: Thunderstorm Wind
2005-07-01	Drought		property not reported; \$4,600,000 crops, reported for the zone (2005 dollars)	0, 0	NWS zone IAZ042 (DUBUQUE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
2005-05-03	Frost/Freeze		property not reported; \$24,750 crops, reported for the zone (2005 dollars)	0, 0	NWS zone IAZ042 (DUBUQUE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/Freeze (outside NRI Cold Wave definition)

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2000-12-01	Cold/Wind Chill		damage not reported	0, 0	NWS zone IAZ042 (DUBUQUE), 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 IAZ042 (DUBUQUE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
1999-05-17	Flash Flood		\$16,000,000 property; crops not reported (1999 dollars)	0, 0	DUBUQUE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1999-01-01	Winter Storm		damage not reported	1, 0	NWS zone IAZ042 (DUBUQUE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
1994-08-19	Hail	4.5 in	\$5,000,000 property; \$50,000 crops (1994 dollars)	0, 0	Dubuque		B1-c worst recorded: Hail
1994-08-19	Thunderstorm Wind	50 kt (58 mph), measurement type not recorded	\$50,000 property; \$5,000 crops (1994 dollars)	0, 4	Durango		deaths or injuries recorded
1994-08-19	Hail	2.5 in	\$50,000 property; \$50,000 crops (1994 dollars)	0, 4	Durango		deaths or injuries recorded
1990-03-13	Tornado	F4, 1 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" (908 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	7.79	event-days per year	about 7.79 days per year	Likely	event-days in 9 of 30 years, 1996 to 2025 (30%)	148	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 7.79 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 9 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	5.05	event-days per year	about 5.05 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	161	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 5.05 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 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.
Earthquake	0.000616	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0616%			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	3.99	events per year	about 3.99 per year	Highly likely	FEMA annualized frequency (modeled)	151.7 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	4.58	event-days per year	about 4.58 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	68	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 4.58 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	0.00588	events per year	about 1 in 170 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	0.255	event-days per year	about 0.255 days per year	Likely	event-days in 9 of 30 years, 1996 to 2025 (30%)	18	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.64	event-days per year	about 1.64 days per year	Likely	event-days in 21 of 30 years, 1996 to 2025 (70%)	46	1996 to 2023 (28 years)	see B1-f	
Landslide	0.509	events per year (modeled)	about 0.51 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	39.7	days per year with a strike	about 39.7 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	5.54	events per year	about 5.54 per year	Highly likely	FEMA annualized frequency (modeled)	211	1986 to 2023 (38 years)	countywide	
Tornado	0.507	events per year	about 0.51 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	0.000127	annual probability at a location	chance a given location in the county burns in a year: 0.0127%		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	16.8	event-days per year	about 16.8 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	319	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	99	30	3.3
Hail	2.00 in+	1996 to 2025	6	30	0.2
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	194	30	6.47
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	46	30	1.53
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	5	30	0.167

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	14	30	0.467
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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 27				Not Applicable 27	
Coastal Flooding	0 of 27				Not Applicable 27	
Cold Wave	27 of 27	63.0	79.4	89.0	Relatively High 19, Relatively Moderate 8	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	19 of 27	67.2	77.0	97.9	Relatively High 1, Relatively Moderate 3, Relatively Low 5, Very Low 10, No Rating 8	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	27 of 27	7.0	16.0	36.2	Very Low 27	
Hail	27 of 27	73.8	88.0	97.4	Relatively High 12, Relatively Moderate 15	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	27 of 27	23.3	43.4	62.1	Relatively Moderate 2, Relatively Low 25	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	27 of 27	13.2	16.9	30.0	Very Low 27	
Ice Storm	27 of 27	29.1	45.1	66.3	Relatively Low 24, Very Low 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.
Inland Flooding	27 of 27	2.4	37.5	96.7	Very High 1, Relatively High 4, Relatively Moderate 2, Relatively Low 12, Very Low 8	
Landslide	27 of 27	35.9	85.9	98.4	Relatively Moderate 3, Relatively Low 12, Very Low 12	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Lightning	27 of 27	21.5	36.0	49.8	Relatively Moderate 1, Relatively Low 26	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	27 of 27	68.5	82.9	94.1	Relatively High 16, 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.
Tornado	27 of 27	64.4	81.0	97.2	Very High 1, Relatively High 19, Relatively Moderate 7	
Tsunami	0 of 27				Not Applicable 27	
Volcanic Activity	0 of 27				Not Applicable 27	
Wildfire	27 of 27	21.3	45.4	78.9	Relatively Low 3, Very Low 24	
Winter Weather	27 of 27	59.5	75.5	86.1	Relatively High 9, Relatively Moderate 18	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
Dubuque County	County	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 6	\$868,858.54	0; 0	Includes \$822,105.77 for declarations not counted as hazard incidents (DR-4483-IA).
Asbury city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 1; any 1	\$41,305.38	49; 14	
Balltown city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	none found	5; 1	
Bankston city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	none found	6; 0	
Bernard city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	none found	15; 7	
Cascade city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$78,249.33	33; 8	
Centralia city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	none found	6; 2	
Dubuque city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$3,813,382.43	89; 9	Includes \$395,273.21 for declarations not counted as hazard incidents (DR-4483-IA).

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
Durango city	City	Approved, expires 2029-03-31	FMA RL 1, SRL 0; any 4	none found	18; 0	
Dyersville city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 18	\$3,229,918.62	36; 1	
Epworth city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$327,883.51	17; 2	
Farley city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$63,029.80	18; 0	
Graf city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	none found	5; 0	
Holy Cross city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$56,605.69	13; 2	
Luxemburg city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$20,796.65	8; 0	
New Vienna city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$19,611	17; 2	
Peosta city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$56,695.07	24; 2	
Rickardsville city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$11,514.56	6; 1	
Sageville city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$156,465.73	21; 5	
Sherrill city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$10,357.91	7; 1	
Worthington city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	\$49,305.48	13; 0	
Zwingle city	City	Approved, expires 2029-03-31	FMA RL 0, SRL 0; any 0	none found	9; 4	

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 2024-04-01 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche											Not Applicable in NRI for this county
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$23,178,041,097	\$566,660,189	99,148	\$62	\$56,545	\$5,576,219	under 0.0001%				
Drought		\$133,805,655			\$849,679		0.635% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$40,716,670,863		99,266	\$114,440		\$38,496	0.000281%				
Hail	\$23,178,041,898	\$566,660,189	99,148	\$2,376,423	\$385,281	\$146,933	0.0103%	\$0			
Heat Wave	\$23,178,041,097	\$566,660,189	99,148	\$3,990	\$8	\$1,075,492	under 0.0001%				
Hurricane	\$23,080,722,717	\$551,243,309	98,782	\$1,509	\$2,595	under \$1	under 0.0001%				
Ice Storm	\$23,178,041,097		99,148	\$56,729		\$85,310	0.000245%		\$0		
Inland Flooding	\$23,156,199,226	\$23,539,978	1,200	\$19,347,007	\$22,871	\$34,525	n/a (see note)	\$0		\$394,361.11	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	\$1,175,463,640		6,002	\$9,436		\$57,312	0.000803%				
Lightning	\$23,178,041,898		99,148	\$30,371		\$205,870	0.000131%				
Strong Wind	\$23,178,041,898	\$566,660,189	99,148	\$850,799	\$51,085	\$1,232,676	0.00367%	\$0	\$0	\$394,361.11	
Tornado	\$23,178,041,898	\$566,660,189	99,148	\$4,327,606	\$12,765	\$4,501,570	0.0187%	\$0		\$394,361.11	

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 2024-04-01 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$6,433,414,412	\$222,403,453	28,222	\$14,747	\$206	\$1,638	0.000229%				
Winter Weather	\$23,178,041,097	\$566,660,189	99,148	\$17,650	\$916	\$234,965	under 0.0001%		\$0		

Totals since 2024-04-01 (Storm Events through 2026-06-30): 91 county-coded records, 85 with a damage value recorded (including \$0), \$0; 6 zone-level records, 6 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance on counted declarations \$394,361.11 (1 declaration, 1 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	99,148
Building value (total, not at risk)	\$23,178,041,898
Agriculture value (total, not at risk)	\$566,660,189
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$28,532,720
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)	\$13,191,004
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)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	1
Repetitive loss, NFIP insurance definition	29	Severe repetitive loss, NFIP insurance definition	1

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	1	1	29	1	29	0	4
ASBURY, CITY OF	0	1	1	1	1	0	1
DURANGO, CITY OF	1	0	4	0	4	0	0
DYERSVILLE, CITY OF	0	0	18	0	18	0	2
DUBUQUE COUNTY *	0	0	6	0	6	0	1
State level, not in this county: county not reported	0	0	1	0	1	0	0

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 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
Dubuque County	190534	0	0	6	0	6	0	1	
Asbury city	190053	0	1	1	1	1	0	1	
Balltown city	190449	0	0	0	0	0	0	0	
Bankston city	190107	0	0	0	0	0	0	0	
Bernard city	190028	0	0	0	0	0	0	0	
Cascade city	190117	0	0	0	0	0	0	0	
Centralia city	190500	0	0	0	0	0	0	0	
Dubuque city	195180	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
Durango city	190119	1	0	4	0	4	0	0	
Dyersville city	190120	0	0	18	0	18	0	2	
Epworth city	190576	0	0	0	0	0	0	0	
Farley city	190578	0	0	0	0	0	0	0	
Graf city	190370	0	0	0	0	0	0	0	
Holy Cross city	190055	0	0	0	0	0	0	0	
Luxemburg city	190040	0	0	0	0	0	0	0	
New Vienna city	190121	0	0	0	0	0	0	0	
Peosta city	190079	0	0	0	0	0	0	0	
Rickardsville city	190526	0	0	0	0	0	0	0	
Sageville city	190122	0	0	0	0	0	0	0	
Sherrill city	190306	0	0	0	0	0	0	0	
Worthington city	190123	0	0	0	0	0	0	0	
Zwingle city	190371	0	0	0	0	0	0	0	

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

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

SOURCES

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

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

County repeat-flood properties by occupancy group

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	1	1	28	1	28	0	4
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	0	0	0	0	0
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 28 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-28, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

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Cite this: Hazard Plain (2026). Dubuque County, IA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 19061). Preview: automated baseline. Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_IA_19061. Preview: automated baseline.