

Madison County, IL

Risk-assessment baseline packet

County FIPS: 17119 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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

Summary

Plan status as of 2026-09-30: Approved, expires 2030-09-23. Plan: Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973), approved 2025-09-24. Since the plan was approved on 2025-09-24: no new hazard declaration and 41 NOAA Storm Events records; details under "What changed since your last plan". Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$56,176,997 a year), Earthquake (\$35,422,274) and Tornado (\$23,410,725). The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.
NRI: FEMA's National Risk Index (version 1.20, December 2025).
NFIP: National Flood Insurance Program.
RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).
FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.
PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.
Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.
County-coded: NOAA logged the event to this county.
FIPS: the federal code for a place; 17119 is this area.
D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).
F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.
kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.
CFR: Code of Federal Regulations.
A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).
Dollars: nominal (as reported, labeled with the year), not adjusted for inflation.

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Plan clock

Status:	Approved, expires 2030-09-23	Plan:	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)
Approved:	2025-09-24	Days to expiry:	1,454

What changed since your last plan (approved 2025-09-24)

New federal declarations:	none	Storm Events records since approval:	41 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 1, SRL 5 (44 CFR 77.2); any definition: 35	Repeat-flood change:	this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county: 46 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Madison County	County	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Alhambra village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Alton city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Collinsville city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
East Alton village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Edwardsville city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-12-29
Fairmont City village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794), pending adoption here	2024-07-22 by FEMA; not yet adopted here	2029-07-21 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Glen Carbon village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Godfrey village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Granite City city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Grantfork village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Hamel village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Highland city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Livingston village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Madison city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-12-29
Marine village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Maryville village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Pierron village	Village	Approved, expires 2029-04-18	Bond County 2024 Hazard Mitigation Plan (FEMA plan 109571)	2024-04-19	2029-04-18	931		
Pontoon Beach village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-12-29
Roxana village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
St. Jacob village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Troy city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Venice city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-12-29
Wood River city	City	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Worden village	Village	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Collinsville township	Township	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Edwardsville township	Township	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Leef township	Township	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Nameoki township	Township	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-12-29
Alton Community Unit School District 11	School/School District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Bethalto Consolidated Unit School District 8	School/School District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-12-29
Bunker Hill Community Unit School District 8	School/School District	Approved, expires 2031-01-27	Macoupin County 2025 Hazard Mitigation Plan (FEMA plan 111332)	2026-01-28	2031-01-27	1,580		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Collinsville Community Unit School District 10	School/School District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Edwardsville Community Unit School District 7	School/School District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Roxana Community Unit School District 1	School/School District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-12-29
Staunton Community Unit School District 6	School/School District	Approved, expires 2031-01-27	Macoupin County 2025 Hazard Mitigation Plan (FEMA plan 111332)	2026-01-28	2031-01-27	1,580		
Wood River-Hartford Elementary School District 15	School/School District	Plan 110973 approved 2025-09-24, pending adoption here; not yet eligible	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973), pending adoption here	2025-09-24 by FEMA; not yet adopted here	2030-09-23 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
America's Central Port	Highway/Port/Rail	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Glen Carbon Fire Protection District	Fire/EMS District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Madison County Regional Office of Education #41	School/School District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Metro East Sanitary District	Water/Sewer Authority	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Olive Fire District	Fire/EMS District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		
Southern Illinois University Edwardsville	School/School District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-12-29
South Roxana Fire Protection District	Fire/EMS District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Troy Fire Protection District	Fire/EMS District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		this jurisdiction approved 2025-11-25
Wood River Drainage and Levee District	Special District	Approved, expires 2030-09-23	Madison County 2025 Hazard Mitigation Plan (FEMA plan 110973)	2025-09-24	2030-09-23	1,454		

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- dam failure (incl. upstream dams)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$55,807,425	\$45,922	\$323,650	\$56,176,997	41	
2	Earthquake	Relatively Moderate	Relatively High	\$21,610,554	n/a	\$13,811,719	\$35,422,274		Storm Events does not record earthquakes.
3	Tornado	Relatively High	Relatively High	\$8,244,440	\$6,914	\$15,159,371	\$23,410,725	39	
4	Heat Wave	Relatively High	Relatively High	\$3,563	\$10	\$16,541,529	\$16,545,102	70	
5	Cold Wave	Relatively High	Relatively High	\$65	\$160,836	\$14,462,743	\$14,623,645	6	Includes 1 Frost/Freeze record (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
6	Hail	Relatively High	Relatively High	\$4,789,679	\$5,686	\$151,017	\$4,946,383	293	
7	Lightning	Relatively High	Relatively High	\$119,571	n/a	\$1,555,523	\$1,675,095	5	
8	Strong Wind	Relatively Moderate	Relatively Moderate	\$222,920	\$608	\$612,381	\$835,909	331	Includes 9 High Wind and 4 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
9	Winter Weather	Relatively High	Relatively High	\$212,781	\$659	\$267,282	\$480,721	55	Includes 2 Sleet records (outside NRI's Winter Weather definition).
10	Drought	Relatively Low	Relatively Moderate	n/a	\$383,291	n/a	\$383,291	4	
11	Ice Storm	Relatively Moderate	Relatively Moderate	\$298,132	n/a	\$29,175	\$327,306	3	
12	Landslide	Relatively Low	Relatively Low	\$9,824	n/a	\$26,536	\$36,359	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
13	Hurricane	Very Low	Very Low	\$11,227	\$8,548	\$35	\$19,810	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Wildfire	Very Low	Very Low	\$4,901	\$3	\$686	\$5,590	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

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

Local data needed: state and local landslide and wildfire records (Storm Events records these hazards only in part).

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

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 4019.05 (Relatively High, 96.7); tract 4040 (Relatively High, 94.1); tract 4036.01 (Relatively High, 91.6)
Hurricane	tract 4038.02 (Very Low, 41.9); tract 4037.02 (Very Low, 39.4); tract 4019.05 (Very Low, 33.6)
Landslide	tract 4027.22 (Relatively Moderate, 96.3); tract 4028.01 (Relatively Low, 95.3); tract 4027.21 (Relatively Low, 95.1)
Tornado	tract 4019.05 (Very High, 99.0); tract 4035.33 (Very High, 98.7); tract 4031.21 (Very High, 98.0)
Wildfire	tract 4037.02 (Very Low, 57.6); tract 4036.01 (Very Low, 56.9); tract 4035.02 (Very Low, 49.7)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 4019.05 is Census Tract 4019.05). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	5 records, 2000 to 2024 (5 zone-level)	1 day to 12 days (median 2 days); 5 with a recorded value	12 consecutive days, 2010-01-01 to 2010-01-12, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2007 (1 zone-level)		No crop damage reported in 1 record.		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	4 records, 2005 to 2012 (4 zone-level)	31 days to 83 days (median 57 days); 2 with a recorded value	83 days (about 2.7 months), 2012-07-10 to 2012-09-30, a run of 3 consecutive Storm Events drought records, zone-level		Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	324 records, 1961 to 2026	0.75 in to 3.75 in (median 1 in); 324 with a recorded value	3.75 in hail, 2024-03-14	Hail, 1999-02-27, \$200,000 property; crops not reported (1999 dollars)	Event records naming jurisdictions in the plan: Alton city (25 records), Edwardsville city (25 records), Edwardsville township (25 records), Collinsville city (24 records), Collinsville township (24 records), Godfrey village (22 records), Troy city (21 records), Highland city (18 records), Glen Carbon village (15 records), Wood River city (15 records); and 14 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	70 records, 1998 to 2025 (70 zone-level)	1 day to 18 days (median 4 days); 62 with a recorded value	18 consecutive days, 2011-07-17 to 2011-08-03, 3 direct deaths, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	3 records, 1999 to 2017 (3 zone-level)		No damage reported in 3 records.		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	41 records, 1996 to 2026 (4 zone-level)		Flood, 2019-06-02, \$24,800,000 property; \$0 crops (2019 dollars)		Event records naming jurisdictions in the plan: Alton city (5 records), Godfrey village (3 records), Highland city (2 records), Madison city (2 records), St. Jacob village (2 records), Wood River city (2 records), Alhambra village (1 record), East Alton village (1 record), Livingston village (1 record), Pontoon Beach village (1 record). Zone-level records (4) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5 records, 1996 to 2004		Lightning, 1996-08-23, damage not reported, 1 direct injury		Event records naming jurisdictions in the plan: Collinsville city (2 records), Collinsville township (2 records), Alton city (1 record), Glen Carbon village (1 record), Granite City city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	13 records, 1996 to 2025 (13 zone-level)	33 kt (38 mph) to 61 kt (70 mph) (median 45 kt (52 mph)); 13 with a recorded value	61 kt (70 mph), measurement type not recorded, High Wind, 1996-04-28; NWS zone ILZ100	High Wind, 1996-09-26, \$50,000 property; crops not reported (zone total, 1996 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	417 records, 1958 to 2026	50 kt (58 mph) to 81 kt (93 mph) (median 55 kt (63 mph)); 345 with a recorded value	81 kt (93 mph) estimated gust, Thunderstorm Wind, 2021-03-27	Thunderstorm Wind, 2005-08-10, \$1,000,000 property; crops not reported (2005 dollars)	Event records naming jurisdictions in the plan: Godfrey village (34 records), Edwardsville city (27 records), Edwardsville township (27 records), Highland city (27 records), Granite City city (25 records), Alton city (24 records), Collinsville city (20 records), Collinsville township (20 records), Troy city (17 records), St. Jacob village (16 records); and 14 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	67 records, 1950 to 2026	F/EF0 to F/EF4 (median F/EF1); 65 with a recorded value	F4 tornado, 1981-04-03, 11.9 mi path length (whole path, pre-1996), 567 yd wide, \$25,000,000 property; crops not recorded (1981 dollars), 32 direct injuries		Event records naming jurisdictions in the plan: Troy city (5 records), Edwardsville city (4 records), Edwardsville township (4 records), Granite City city (4 records), Highland city (3 records), Marine village (3 records), Glen Carbon village (2 records), St. Jacob village (2 records), Alton city (1 record), Collinsville city (1 record); and 5 more jurisdictions (see the Excel file).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	55 records, 1996 to 2025 (55 zone-level)		Winter Storm, 2006-12-01, \$1,700,000 property; \$0 crops (2006 dollars); NWS zone ILZ100		Countywide (zone-level records).	

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

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

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 16 declarations covering 13 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2021-12-13	2021-12-10	EM-3577-IL	Emergency	Severe Storms, Straight-Line Winds, and Tornadoes	Tornado (primary); also designated: Strong Wind	no Public Assistance recorded	within last 5 years	
2020-03-26	2020-01-20	DR-4489-IL	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$6,321,586.36		
2020-03-13	2020-01-20	EM-3435-IL	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4489
2019-09-19	2019-02-24	DR-4461-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	\$15,634,214.61		
2008-06-24	2008-06-01	DR-1771-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	\$2,227,612.22		
2007-02-09	2006-11-30	DR-1681-IL	Major disaster	Severe Winter Storm	Ice Storm	\$2,232,485.46		
2005-09-07	2005-08-29	EM-3230-IL	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$119,284		
2002-05-21	2002-04-21	DR-1416-IL	Major disaster	Severe Storms, Tornadoes and Flooding	Tornado (primary); also designated: Inland Flooding	PA not declared for this county		
1996-05-06	1996-04-28	DR-1112-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1995-05-30	1995-05-15	DR-1053-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded		
1993-07-09	1993-04-13	DR-997-IL	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1983-06-06	1983-06-06	DR-684-IL	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded		
1982-12-13	1982-12-13	DR-674-IL	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	PA not declared for this county		
1979-04-30	1979-04-30	DR-583-IL	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1973-04-26	1973-04-26	DR-373-IL	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1969-08-30	1969-08-30	DR-276-IL	Major disaster	Heavy Rains & Flooding	Inland Flooding	no Public Assistance recorded		

School districts and special districts in this county: \$8,274,573.22 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

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

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1961-05-27	1961-05-27	DR-115-IL	Major disaster	Floods & Tornadoes	Inland Flooding (primary); also designated: Tornado
1957-06-22	1957-06-22	DR-78-IL	Major disaster	Floods	Inland Flooding

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

Public Assistance not placed in any Illinois county: 1 row, \$797,909.42; listed on the Illinois state page.

Source: 3

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	6	0	0	1	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	4	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	324	31	22	64	0	0	1955 to 2026-06-30	
Heat Wave	70	0	2	4	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	3	0	0	0	1	0	1996 to 2026-06-30	
Inland Flooding	41	1	0	1	11	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	5	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	430	5	8	46	1	0	1955 to 2026-06-30	Includes 9 High Wind and 4 Strong Wind records.
Tornado	67	3	3	12	4	0	1950 to 2026-06-30	
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	55	1	1	6	0	0	1996 to 2026-06-30	Includes 2 Sleet records.

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2024-03-14	Hail	3.75 in	\$0 property; \$0 crops (2024 dollars)	0, 0	EAGLE PARK to BINNEY	within last 5 years	B1-c worst recorded: Hail
2021-12-10	Tornado	EF3, 4.22 mi within this county, 300 yd wide	\$5,000,000 property; \$0 crops (2021 dollars)	6, 1	MITCHELL to GLEN CARBON	within last 5 years	deaths or injuries recorded
2021-03-27	Thunderstorm Wind	81 kt (93 mph) estimated gust	\$0 property; \$0 crops (2021 dollars)	0, 0	HIGHLAND		B1-c worst recorded: Thunderstorm Wind
2019-06-02	Flood		\$24,800,000 property; \$0 crops (2019 dollars)	0, 0	CLIFTON TERRACE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2012-07-01	Excessive Heat		\$0 property; \$0 crops (zone total, 2012 dollars)	2, 0	NWS zone ILZ100 (MADISON), zone-level		deaths or injuries recorded
2011-07-17	Excessive Heat		\$0 property; \$0 crops (zone total, 2011 dollars)	2, 0	NWS zone ILZ100 (MADISON), zone-level		B1-c worst recorded: Excessive Heat, Heat
2010-01-01	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2010 dollars)	0, 0	NWS zone ILZ100 (MADISON), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2007-08-04	Excessive Heat		\$0 property; \$0 crops (zone total, 2007 dollars)	2, 6	NWS zone ILZ100 (MADISON), zone-level		deaths or injuries recorded
2006-12-01	Winter Storm		\$1,700,000 property; \$0 crops (zone total, 2006 dollars)	0, 0	NWS zone ILZ100 (MADISON), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
1996-08-23	Lightning		damage not reported	0, 1	COLLINSVILLE		B1-c worst recorded: Lightning
1996-04-28	High Wind	61 kt (70 mph), measurement type not recorded	damage not reported	0, 0	NWS zone ILZ100 (MADISON), zone-level		B1-c worst recorded: High Wind and Strong Wind
1981-04-03	Tornado	F4, 11.9 mi path length (whole path, pre-1996), 567 yd wide	\$25,000,000 property; crops not recorded (1981 dollars)	0, 32	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,005 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	1.79	event-days per year	about 1.79 days per year	Likely	Storm Events event- days in 4 of 30 years, 1996 to 2025 (13.3%)	34	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	1.66	event-days per year	about 1.66 days per year	Possible	Storm Events event- days in 2 of 30 years, 1996 to 2025 (6.67%)	42	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00563	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.563%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	5.03	events per year	about 5.03 per year	Highly likely	FEMA annualized frequency (modeled)	191.4 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	14.7	event-days per year	about 14.7 days per year	Likely	Storm Events event- days in 24 of 30 years, 1996 to 2025 (80%)	153	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0127	events per year	about 1 in 79 years	Possible	FEMA annualized frequency (modeled)	4	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	1.18	event-days per year	about 1.18 days per year	Likely	Storm Events event- days in 3 of 30 years, 1996 to 2025 (10%)	80	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.39	event-days per year	about 1.39 days per year	Likely	Storm Events event- days in 17 of 30 years, 1996 to 2025 (56.7%)	39	1996 to 2023 (28 years)	see B1-f	
Landslide	0.572	events per year (modeled)	about 0.57 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	49.9	days per year with a strike	about 49.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	6.23	events per year	about 6.23 per year	Highly likely	FEMA annualized frequency (modeled)	237	1986 to 2023 (38 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Tornado	0.683	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	
Wildfire	0.0000226	annual probability at a location	chance a given location in the county burns in a year: 0.00226%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	8.89	event-days per year	about 8.89 days per year	Likely	Storm Events event-days in 25 of 30 years, 1996 to 2025 (83.3%)	169	2005-11-12 to 2024-11-12 (19 years)	countywide	

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

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

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

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

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	162	30	5.4
Hail	2.00 in+	1996 to 2025	8	30	0.267
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	293	30	9.77
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	20	30	0.667
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	30	30	1
Tornado	EF2-3	1996 to 2025	5	30	0.167
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	63 of 63	60.5	83.2	95.0	Relatively High 43, Relatively Moderate 20
Drought	43 of 63	68.4	79.6	95.7	Relatively Moderate 4, Relatively Low 18, Very Low 21, No Rating 20
Earthquake	63 of 63	64.7	85.7	96.7	Relatively High 18, Relatively Moderate 42, Relatively Low 3
Hail	63 of 63	66.5	86.2	98.2	Very High 1, Relatively High 24, Relatively Moderate 37, Relatively Low 1
Heat Wave	63 of 63	75.6	92.6	97.1	Very High 4, Relatively High 54, Relatively Moderate 5
Hurricane	63 of 63	16.6	22.8	41.9	Very Low 63
Ice Storm	63 of 63	13.2	46.0	83.4	Relatively Moderate 3, Relatively Low 50, Very Low 10
Inland Flooding	63 of 63	10.0	60.4	98.9	Very High 4, Relatively High 11, Relatively Moderate 28, Relatively Low 18, Very Low 2
Landslide	63 of 63	17.6	81.0	96.3	Relatively Moderate 1, Relatively Low 30, Very Low 32
Lightning	63 of 63	42.6	72.9	93.1	Relatively High 21, Relatively Moderate 38, Relatively Low 4
Strong Wind	63 of 63	21.0	40.8	65.7	Relatively Moderate 10, Relatively Low 53

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	63 of 63	63.8	86.3	99.0	Very High 14, Relatively High 40, Relatively Moderate 9
Wildfire	58 of 63	20.0	33.7	57.6	Very Low 58, No Rating 5
Winter Weather	63 of 63	48.6	72.8	93.0	Relatively High 20, Relatively Moderate 43

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Madison County	County	Approved, expires 2030-09-23	FMA RL 1, SRL 3; any 14	no Public Assistance recorded	0 total; 0 since its plan	
Alhambra village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$6,475.40	15 total; 0 since its plan	
Alton city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 2; any 9	\$6,415,978.93	56 total; 1 since its plan	Includes \$62,071 for declarations not counted as hazard incidents (EM-3230-IL).
Collinsville city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 1	\$277,502.58	47 total; 1 since its plan	Includes \$35,284.17 for declarations not counted as hazard incidents (DR-4489-IL).
East Alton village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$59,738.99	25 total; 2 since its plan	
Edwardsville city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$180,115.84	56 total; 0 since its plan	
Fairmont City village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	10 total; no approved plan	
Glen Carbon village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$104,614.79	24 total; 0 since its plan	Includes \$21,011.68 for declarations not counted as hazard incidents (DR-4489-IL).
Godfrey village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$47,572.50	59 total; 2 since its plan	
Granite City city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 3	\$1,764,153.14	44 total; 0 since its plan	
Grantfork village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	1 total; 1 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Hamel village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$4,313.49	10 total; 1 since its plan	
Highland city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$121,275.49	50 total; 0 since its plan	
Livingston village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 1	\$6,319.15	13 total; 1 since its plan	
Madison city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 2	\$200,245.25	27 total; 0 since its plan	
Marine village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$9,239.89	19 total; 2 since its plan	
Maryville village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	\$72,535.49	14 total; 0 since its plan	Includes \$17,420.38 for declarations not counted as hazard incidents (DR-4489-IL).
Pierron village	Village	Approved, expires 2029-04-18	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	1 total; 0 since its plan	
Pontoon Beach village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	9 total; 0 since its plan	
Roxana village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	6 total; 0 since its plan	
St. Jacob village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	25 total; 0 since its plan	
Troy city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	43 total; 0 since its plan	
Venice city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 1	\$324,905.29	0 total; 0 since its plan	
Wood River city	City	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 1	\$77,763.18	32 total; 0 since its plan	
Worden village	Village	Approved, expires 2030-09-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	13 total; 1 since its plan	
Collinsville township	Township	Approved, expires 2030-09-23		no Public Assistance recorded	47 total; 1 since its plan	No NFIP community ID on this jurisdiction's plan row.
Edwardsville township	Township	Approved, expires 2030-09-23		no Public Assistance recorded	56 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Leef township	Township	Approved, expires 2030-09-23		no Public Assistance recorded	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Nameoki township	Township	Approved, expires 2030-09-23		\$14,637.74	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.

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

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

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

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

Local data needed

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

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

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

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

Hazard	Building exposure	Agriculture exposure	Population exposed	EAL buildings	EAL agriculture	Cost of expected deaths and injuries	EAL as % of exposure	Storm Events damage since 2025-09-24	Zone-level damage since plan	Public Assistance since plan	Note
	<i>modeled dollars</i>	<i>modeled dollars</i>	<i>people</i>	<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>FEMA's dollar value per year, not property damage</i>	<i>buildings; agriculture where noted</i>	<i>county-coded records, property plus crops, nominal dollars</i>	<i>property plus crops, reported for the zone</i>	<i>nominal dollars; see note</i>	
Cold Wave	\$60,647,878,447	\$224,953,426	265,727	\$65	\$160,836	\$14,462,743	under 0.0001%				
Drought	n/a	\$202,145,040	n/a	n/a	\$383,291	n/a	0.19% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$107,904,372,650	n/a	265,859	\$21,610,554	n/a	\$13,811,719	0.02%				
Hail	\$60,647,936,828	\$224,953,426	265,727	\$4,789,679	\$5,686	\$151,017	0.0079%	\$0			
Heat Wave	\$60,647,878,447	\$224,953,426	265,727	\$3,563	\$10	\$16,541,529	under 0.0001%				
Hurricane	\$60,416,647,867	\$222,655,145	264,386	\$11,227	\$8,548	\$35	under 0.0001%				
Ice Storm	\$60,602,744,915	n/a	265,327	\$298,132	n/a	\$29,175	0.000492%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-09-24 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Inland Flooding	\$60,565,097,444	\$18,672,044	7,375	\$55,807,425	\$45,922	\$323,650	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.
Landslide	\$1,088,816,239	n/a	5,420	\$9,824	n/a	\$26,536	0.000902%				
Lightning	\$60,647,936,828	n/a	265,727	\$119,571	n/a	\$1,555,523	0.000197%				
Strong Wind	\$60,647,936,828	\$224,953,426	265,727	\$222,920	\$608	\$612,381	0.000368%	\$0			
Tornado	\$60,647,936,828	\$224,953,426	265,727	\$8,244,440	\$6,914	\$15,159,371	0.0136%	\$0			
Wildfire	\$4,159,569,945	\$15,748,746	20,715	\$4,901	\$3	\$686	0.000118%				
Winter Weather	\$60,647,878,447	\$224,953,426	265,727	\$212,781	\$659	\$267,282	0.000351%		\$0		

Totals since 2025-09-24 (Storm Events through 2026-06-30): 40 county-coded records, 40 with a damage value recorded (including \$0), \$0; 1 zone-level records, 1 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

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

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

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

County context

Source: 5

Measure	Value
Population	265,727
Building value (total, not at risk)	\$60,647,936,828
Agriculture value (total, not at risk)	\$224,953,426
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$91,947,560
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)	\$62,941,648
Social vulnerability rating	Relatively Low
Community resilience rating	Very High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	5
Repetitive loss, NFIP insurance definition	35	Severe repetitive loss, NFIP insurance definition	5

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

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	1	5	35	5	35	0	7
of which: Madison County (unincorporated area)	1	3	14	3	14	0	4
of which: Alton city	0	2	9	2	9	0	0
of which: Collinsville city	0	0	1	0	1	0	0
of which: Granite City city	0	0	3	0	3	0	2
of which: Madison city	0	0	2	0	2	0	0
of which: Pontoon Beach village	0	0	1	0	1	0	1
of which: Venice city	0	0	1	0	1	0	0
of which: Wood River city	0	0	1	0	1	0	0
of which: Livingston village	0	0	1	0	1	0	0
of which: Unknown (community ID Unknown in FEMA data)	0	0	2	0	2	0	0
Statewide, no county in FEMA's file	0	0	5	0	5	0	0

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Madison County	170436	1	3	14	3	14	0	4
Alhambra village	170270	0	0	0	0	0	0	0
Alton city	170437	0	2	9	2	9	0	0
Collinsville city	170439	0	0	1	0	1	0	0
East Alton village	170440	0	0	0	0	0	0	0
Edwardsville city	170441	0	0	0	0	0	0	0
Fairmont City village	170627	0	0	0	0	0	0	0
Glen Carbon village	170442	0	0	0	0	0	0	0
Godfrey village	171031	0	0	0	0	0	0	0
Granite City city	170443	0	0	3	0	3	0	2
Grantfork village	170209	0	0	0	0	0	0	0
Hamel village	170160	0	0	0	0	0	0	0
Highland city	170445	0	0	0	0	0	0	0
Livingston village	170794	0	0	1	0	1	0	0
Madison city	170446	0	0	2	0	2	0	0

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Marine village	170199	0	0	0	0	0	0	0
Maryville village	170299	0	0	0	0	0	0	0
Pierron village	170317	0	0	0	0	0	0	0
Pierron village	170614	0	0	0	0	0	0	0
Pontoon Beach village	170447	0	0	1	0	1	0	1
Roxana village	170448	0	0	0	0	0	0	0
St. Jacob village	170208	0	0	0	0	0	0	0
Troy city	170255	0	0	0	0	0	0	0
Venice city	170450	0	0	1	0	1	0	0
Wood River city	170451	0	0	1	0	1	0	0
Worden village	170825	0	0	0	0	0	0	0

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

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

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	0	1	23	1	23	0	7
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	1	4	12	4	12	0	0
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 34 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
 4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
 5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
 8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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_scscd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scscd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)
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What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Madison County, IL: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 17119). Automated baseline. <https://hazardplain.org/il/17119/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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