

St. Clair County, IL

Risk-assessment baseline packet

County FIPS: 17163 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 2029-07-21. Plan: St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794), approved 2024-07-22.

Since the plan was approved on 2024-07-22: 1 new hazard declaration (1 incident) and 57 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 (\$71,743,379 a year), Earthquake (\$50,808,116) and Heat Wave (\$15,135,349).

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; 17163 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.

CONTENTS

- 1. Summary and terms used, page 1
- 2. Plan clock, page 2
- 3. What changed since your last plan (approved 2024-07-22), page 2
- 4. B1-a: hazard identification, page 6
- 5. B1-b: hazard location, page 7
- 6. B1-c: hazard extent, page 8
- 7. B1-d: previous occurrences, page 10
- 8. B1-e: probability of future events, page 14
- 9. B1-f: hazards that vary across jurisdictions, page 16
- 10. B2-a and B2-b: vulnerability and potential impacts, page 20
- 11. B2-a: vulnerability (county context), page 22
- 12. B2-c: repetitive loss properties, page 22
- 13. Sources, what the plan adds, disclaimer and citation, page 24

Plan clock

Status:	Approved, expires 2029-07-21	Plan:	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)
Approved:	2024-07-22	Days to expiry:	1,025

What changed since your last plan (approved 2024-07-22)

New federal declarations:	1 new hazard declaration (1 incident): DR-4819-IL (Severe Storms, Tornadoes, Straight-Line Winds, and Floodng)	Storm Events records since approval:	57 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 3, SRL 5 (44 CFR 77.2); any definition: 80	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: 28 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
St. Clair County	County	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		
Belleville city	City	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		this jurisdiction approved 2024-09-04
Brooklyn village	Village	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		
Caseyville village	Village	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		this jurisdiction approved 2026-06-24
Columbia city	City	Approved, expires 2026-10-31	Monroe County 2021 Hazard Mitigation Plan (FEMA plan 106595)	2021-11-01	2026-10-31	31		this jurisdiction approved 2021-12-17
Dupo 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.
East Carondelet village	Village	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		this jurisdiction approved 2024-07-25
East St. Louis city	City	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		
Fairview Heights city	City	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		
Fayetteville 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.
Hecker village	Village	Approved, expires 2026-10-31	Monroe County 2021 Hazard Mitigation Plan (FEMA plan 106595)	2021-11-01	2026-10-31	31		this jurisdiction approved 2021-12-17
Lebanon city	City	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.
Lenzburg 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.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Marissa village	Village	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		this jurisdiction approved 2024-08-22
Mascoutah city	City	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		this jurisdiction approved 2024-07-31
Millstadt 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.
New Athens 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.
O'Fallon city	City	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		this jurisdiction approved 2024-07-25
Sauget 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.
Shiloh village	Village	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		
Smithton 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.
St. Libory 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.
Summerfield 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.
Swansea 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.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Washington Park 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.
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
Cahokia Heights	City	Approved, expires 2029-07-21	St. Clair County 2024 Hazard Mitigation Plan (FEMA plan 109794)	2024-07-22	2029-07-21	1,025		this jurisdiction approved 2024-07-25
Freeburg ESDA	Special District	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.

Plan 109794 lists 1 other participant not on this page. Not covered by it yet: Fairmont City village (Madison County; approvable pending adoption, not yet adopted).

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$71,173,310	\$80	\$569,989	\$71,743,379	58	
2	Earthquake	Relatively Moderate	Relatively High	\$28,616,182	n/a	\$22,191,934	\$50,808,116		Storm Events does not record earthquakes.
3	Heat Wave	Relatively High	Relatively High	\$1,634	\$8	\$15,133,707	\$15,135,349	71	
4	Cold Wave	Relatively High	Relatively High	\$107	\$60,841	\$14,747,470	\$14,808,417	5	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).
5	Tornado	Relatively High	Relatively High	\$7,294,084	\$5,221	\$5,688,040	\$12,987,346	32	
6	Hail	Relatively High	Relatively High	\$5,043,075	\$813	\$94,843	\$5,138,731	239	
7	Lightning	Relatively High	Relatively High	\$94,116	n/a	\$1,492,948	\$1,587,064	7	
8	Ice Storm	Relatively High	Relatively High	\$1,026,004	n/a	\$16,938	\$1,042,941	3	
9	Strong Wind	Relatively Moderate	Relatively Moderate	\$96,271	\$697	\$530,381	\$627,349	352	Includes 8 High Wind and 3 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Winter Weather	Relatively High	Relatively High	\$203,936	\$518	\$128,406	\$332,859	50	Includes 2 Sleet records (outside NRI's Winter Weather definition).
11	Drought	Relatively Low	Relatively Low	n/a	\$313,995	n/a	\$313,995	4	

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
12	Landslide	Relatively Low	Relatively Low	\$4,907	n/a	\$22,700	\$27,606	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Hurricane	Very Low	Very Low	\$13,381	\$7,568	\$58	\$21,007	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Wildfire	Very Low	Very Low	\$4,572	\$3	\$587	\$5,162	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 5039.08 (Relatively High, 96.6); tract 5017 (Relatively High, 96.0); tract 5016.04 (Relatively High, 95.9)
Hurricane	tract 5040.02 (Very Low, 41.9); tract 5039.08 (Very Low, 38.8); tract 5032.03 (Very Low, 34.9)
Landslide	tract 5034.12 (Relatively Moderate, 97.1); tract 5032.02 (Relatively Moderate, 96.8); tract 5031.01 (Relatively Low, 95.5)
Tornado	tract 5039.08 (Very High, 99.4); tract 5032.03 (Relatively High, 91.1); tract 5043.54 (Relatively High, 88.3)
Wildfire	tract 5039.07 (Very Low, 62.7); tract 5032.03 (Very Low, 51.5); tract 5032.02 (Very Low, 50.7)

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 5039.08 is Census Tract 5039.08). 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	4 records, 2000 to 2024 (4 zone-level)	2 days to 12 days (median 2 days); 4 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)	319 records, 1955 to 2026	0.75 in to 3.5 in (median 1 in); 319 with a recorded value	3.5 in hail, 2012-04-28; same size also recorded on 1987-07-06	Hail, 1993-04-19, \$5,000 property; crops not recorded (1993 dollars)	Event records naming jurisdictions in the plan: Belleville city (41 records), Mascoutah city (25 records), New Athens village (20 records), Marissa village (14 records), Millstadt village (11 records), Caseyville village (10 records), Fairview Heights city (9 records), Lebanon city (9 records), Shiloh village (9 records), Smithton village (9 records); and 7 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	71 records, 1998 to 2025 (71 zone-level)	1 day to 18 days (median 3 days); 63 with a recorded value	18 consecutive days, 2011-07-17 to 2011-08-03, 2 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)	58 records, 1996 to 2025 (6 zone-level)		Flash Flood, 2022-07-26, \$10,000,000 property; \$0 crops (2022 dollars)		Event records naming jurisdictions in the plan: Belleville city (4 records), East Carondelet village (4 records), Mascoutah city (4 records), Millstadt village (4 records), Summerfield village (4 records), East St. Louis city (3 records), Fairview Heights city (2 records), Fayetteville village (2 records), Lenzburg village (2 records), Lebanon city (1 record); and 2 more jurisdictions (see the Excel file). Zone-level records (6) 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)	7 records, 1996 to 2019		Lightning, 2001-02-24, damage not reported, 1 direct death	Lightning, 2002-07-22, \$30,000 property; crops not reported (2002 dollars)	Event records naming jurisdictions in the plan: Belleville city (3 records).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	11 records, 1996 to 2025 (11 zone-level)	40 kt (46 mph) to 61 kt (70 mph) (median 45 kt (52 mph)); 11 with a recorded value	61 kt (70 mph), measurement type not recorded, High Wind, 1996-04-28; NWS zone ILZ101	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)	457 records, 1957 to 2026	50 kt (58 mph) to 90 kt (104 mph) (median 55 kt (63 mph)); 373 with a recorded value	90 kt (104 mph) measured gust, Thunderstorm Wind, 2003-06-10	Thunderstorm Wind, 2001-09-08, \$600,000 property; crops not reported (2001 dollars)	Event records naming jurisdictions in the plan: Belleville city (53 records), Mascoutah city (29 records), Lebanon city (17 records), Marissa village (15 records), Caseyville village (12 records), Dupo village (11 records), Fairview Heights city (10 records), New Athens village (10 records), Shiloh village (10 records), Millstadt village (9 records); and 10 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	56 records, 1952 to 2026	F/EF0 to F/EF4 (median F/EF1); 55 with a recorded value	F4 tornado, 1956-02-25, 31.6 mi path length (whole path, pre-1996), 500 yd wide, \$2,500,000 property; crops not recorded (1956 dollars), 6 direct deaths, 20 direct injuries		Event records naming jurisdictions in the plan: Summerfield village (6 records), Millstadt village (3 records), Shiloh village (3 records), Belleville city (2 records), Lebanon city (2 records), Caseyville village (1 record), Dupo village (1 record), Fairview Heights city (1 record), Fayetteville village (1 record), Marissa village (1 record); and 4 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)	50 records, 1996 to 2025 (50 zone-level)		No damage reported in 50 records.		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: 19 declarations covering 16 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
2024-09-20	2024-07-13	DR-4819-IL	Major disaster	Severe Storms, Tornadoes, Straight-Line Winds, and Floodng	Inland Flooding (primary); also designated: Strong Wind, Tornado	PA not declared for this county	new since last plan; within last 5 years	
2022-10-14	2022-07-25	DR-4676-IL	Major disaster	Severe Storm and Flooding	Inland Flooding	PA not declared for this county	within last 5 years	
2020-03-26	2020-01-20	DR-4489-IL	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$6,314,187.75		
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	\$1,317,241.75		
2008-06-24	2008-06-01	DR-1771-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	\$533,110.52		
2007-02-09	2006-11-30	DR-1681-IL	Major disaster	Severe Winter Storm	Ice Storm	\$1,597,860.03		
2005-09-07	2005-08-29	EM-3230-IL	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$20,888.32		
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		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
1996-05-06	1996-04-28	DR-1112-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded		
1995-05-30	1995-05-15	DR-1053-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded		
1994-04-26	1994-04-09	DR-1025-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		
1986-10-07	1986-09-21	DR-776-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		
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		
1968-06-05	1968-06-05	DR-242-IL	Major disaster	Tornadoes, Severe Storms & Flooding	Tornado (primary); also designated: Inland Flooding	no Public Assistance recorded		

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

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
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 filed under this county for declarations that do not list it: 1 row, \$5,500.17

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4116-IL	2013-05-10	Severe Storms, Straight-Line Winds, and Flooding	PRAIRIE DUPONT LEVEE DISTRICT(1)	\$5,500.17

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

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	5	0	1	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	319	16	5	33	0	0	1955 to 2026-06-30	
Heat Wave	71	2	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	58	4	0	7	15	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	7	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	468	25	8	57	1	1	1955 to 2026-06-30	Includes 8 High Wind and 3 Strong Wind records.
Tornado	56	8	2	15	4	1	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	50	2	0	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
2022-07-26	Flash Flood		\$10,000,000 property; \$0 crops (2022 dollars)	0, 0	EAST CARONDELET to DARMSTADT	within last 5 years	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2012-07-10	Drought		\$0 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone ILZ101 (ST. CLAIR), zone-level		B1-c worst recorded: Drought
2012-04-28	Hail	3.5 in	\$0 property; \$0 crops (2012 dollars)	0, 0	CARBON to (BLV)SCOTT AFB BELLE		B1-c worst recorded: Hail
2011-07-17	Excessive Heat		\$0 property; \$0 crops (zone total, 2011 dollars)	2, 0	NWS zone ILZ101 (ST. CLAIR), 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 ILZ101 (ST. CLAIR), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2003-06-10	Thunderstorm Wind	90 kt (104 mph) measured gust	damage not reported	0, 0	(BLV)SCOTT AFB BELLE		B1-c worst recorded: Thunderstorm Wind
2001-02-24	Lightning		damage not reported	1, 0	PADERBORN		B1-c worst recorded: Lightning
1999-07-18	Heat		damage not reported	7, 100	NWS zone ILZ101 (ST. CLAIR), zone-level		deaths or injuries recorded
1996-04-28	High Wind	61 kt (70 mph), measurement type not recorded	damage not reported	0, 0	NWS zone ILZ101 (ST. CLAIR), zone-level		B1-c worst recorded: High Wind and Strong Wind
1993-04-19	Hail	1.75 in	\$5,000 property; crops not recorded (1993 dollars)	0, 0	New Athens		B1-c most damaging: Hail
1968-05-15	Tornado	F3, 2 mi path length (whole path, pre-1996), 200 yd wide	\$250,000 property; crops not recorded (1968 dollars)	4, 60	location not recorded		deaths or injuries recorded
1956-02-25	Tornado	F4, 31.6 mi path length (whole path, pre-1996), 500 yd wide	\$2,500,000 property; crops not recorded (1956 dollars)	6, 20	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,041 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	1.42	event-days per year	about 1.42 days per year	Likely	Storm Events event- days in 4 of 30 years, 1996 to 2025 (13.3%)	27	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	0.00635	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.635%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	5.2	events per year	about 5.2 per year	Highly likely	FEMA annualized frequency (modeled)	197.6 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	14.8	event-days per year	about 14.8 days per year	Likely	Storm Events event- days in 24 of 30 years, 1996 to 2025 (80%)	154	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	1.39	event-days per year	about 1.39 days per year	Likely	Storm Events event- days in 3 of 30 years, 1996 to 2025 (10%)	94	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.79	event-days per year	about 1.79 days per year	Likely	Storm Events event- days in 22 of 30 years, 1996 to 2025 (73.3%)	50	1996 to 2023 (28 years)	see B1-f	
Landslide	0.459	events per year (modeled)	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	51.9	days per year with a strike	about 51.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	6.15	events per year	about 6.15 per year	Highly likely	FEMA annualized frequency (modeled)	234	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	0.575	events per year	about 0.58 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.0000203	annual probability at a location	chance a given location in the county burns in a year: 0.00203%		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	9	event-days per year	about 9 days per year	Likely	Storm Events event-days in 23 of 30 years, 1996 to 2025 (76.7%)	171	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	132	30	4.4
Hail	2.00 in+	1996 to 2025	9	30	0.3
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	306	30	10.2
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	31	30	1.03
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	26	30	0.867
Tornado	EF2-3	1996 to 2025	3	30	0.1
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	68 of 68	49.3	83.7	94.8	Relatively High 48, Relatively Moderate 20
Drought	50 of 68	67.1	76.6	95.1	Relatively Moderate 2, Relatively Low 18, Very Low 30, No Rating 18
Earthquake	68 of 68	77.1	88.2	96.6	Relatively High 33, Relatively Moderate 34, Relatively Low 1
Hail	68 of 68	64.2	84.4	99.4	Very High 1, Relatively High 20, Relatively Moderate 44, Relatively Low 3
Heat Wave	68 of 68	59.4	92.1	96.7	Very High 1, Relatively High 56, Relatively Moderate 11
Hurricane	68 of 68	15.8	22.6	41.9	Very Low 68
Ice Storm	68 of 68	38.2	72.8	98.1	Very High 1, Relatively High 1, Relatively Moderate 42, Relatively Low 24
Inland Flooding	68 of 68	9.4	64.5	100.0	Very High 1, Relatively High 18, Relatively Moderate 30, Relatively Low 16, Very Low 3
Landslide	68 of 68	16.8	61.3	97.1	Relatively Moderate 2, Relatively Low 20, Very Low 46
Lightning	68 of 68	30.4	71.2	91.6	Relatively High 23, Relatively Moderate 37, Relatively Low 8
Strong Wind	68 of 68	14.4	32.8	56.3	Relatively Moderate 1, Relatively Low 60, Very Low 7

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	68 of 68	44.1	70.5	99.4	Very High 1, Relatively High 23, Relatively Moderate 38, Relatively Low 6
Wildfire	67 of 68	19.4	31.0	62.7	Very Low 67, No Rating 1
Winter Weather	68 of 68	34.6	62.3	95.4	Relatively High 4, Relatively Moderate 53, Relatively Low 11

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
St. Clair County	County	Approved, expires 2029-07-21	FMA RL 1, SRL 2; any 19	\$42,346.39	0 total; 0 since its plan	
Belleville city	City	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 3	\$301,002.70	103 total; 3 since its plan	Includes \$12,219.77 for declarations not counted as hazard incidents (DR-4489-IL).
Brooklyn village	Village	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Caseyville village	Village	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 1	\$82,869.20	23 total; 2 since its plan	
Columbia city	City	Approved, expires 2026-10-31	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Dupo village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$16,715.78	19 total; no approved plan	
East Carondelet village	Village	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 4	\$40,441.43	8 total; 0 since its plan	
East St. Louis city	City	Approved, expires 2029-07-21	FMA RL 2, SRL 2; any 35	\$214,838.54	11 total; 0 since its plan	
Fairview Heights city	City	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 0	\$85,632.07	22 total; 0 since its plan	
Fayetteville 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	9 total; no approved 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>	
Hecker village	Village	Approved, expires 2026-10-31	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Lebanon city	City	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$11,766.39	29 total; no approved plan	
Lenzburg 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	6 total; no approved plan	
Marissa village	Village	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	31 total; 0 since its plan	
Mascoutah city	City	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	59 total; 1 since its plan	
Millstadt village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$14,471.11	27 total; no approved plan	
New Athens village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$64,473.94	31 total; no approved plan	
O'Fallon city	City	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 2	\$229,329.90	1 total; 0 since its plan	Includes \$17,720.20 for declarations not counted as hazard incidents (DR-4489-IL).
Sauget village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$113,966.42	4 total; no approved plan	
Shiloh village	Village	Approved, expires 2029-07-21	FMA RL 0, SRL 0; any 0	\$56,383.86	22 total; 2 since its plan	Includes \$9,457.16 for declarations not counted as hazard incidents (DR-4489-IL).
Smithton village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$12,829.91	15 total; no approved plan	
St. Libory 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	9 total; no approved plan	
Summerfield village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$1,886.18	18 total; no approved plan	

			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
Jurisdiction	Type	Plan status				
Swansea village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 7	\$65,948.14	12 total; no approved plan	
Washington Park village	Village	Plan 109794 approved 2024-07-22, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$9,330.69	0 total; no approved plan	

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 <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 2024-07-22 <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
Cold Wave	\$61,935,559,961	\$174,624,509	257,200	\$107	\$60,841	\$14,747,470	under 0.0001%				
Drought	n/a	\$145,145,843	n/a	n/a	\$313,995	n/a	0.216% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$105,431,555,366	n/a	257,400	\$28,616,182	n/a	\$22,191,934	0.0271%				
Hail	\$61,935,675,937	\$174,624,509	257,200	\$5,043,075	\$813	\$94,843	0.00814%	\$0			
Heat Wave	\$61,935,559,961	\$174,624,509	257,200	\$1,634	\$8	\$15,133,707	under 0.0001%		\$0		
Hurricane	\$61,885,112,578	\$173,431,402	256,866	\$13,381	\$7,568	\$58	under 0.0001%				
Ice Storm	\$61,908,099,814	n/a	256,907	\$1,026,004	n/a	\$16,938	0.00166%				

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 2024-07-22 <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	\$61,861,672,318	\$21,614,103	14,801	\$71,173,310	\$80	\$569,989	n/a (see note)	\$90,000		no Public Assistance recorded (1 declaration)	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	\$677,116,880	n/a	3,657	\$4,907	n/a	\$22,700	0.000725%				
Lightning	\$61,935,675,937	n/a	257,200	\$94,116	n/a	\$1,492,948	0.000152%				
Strong Wind	\$61,935,675,937	\$174,624,509	257,200	\$96,271	\$697	\$530,381	0.000155%	\$230,000	\$20,000	no Public Assistance recorded (1 declaration)	Storm Events damage since the plan includes 1 zone-level High Wind record (\$20,000); a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$61,935,675,937	\$174,624,509	257,200	\$7,294,084	\$5,221	\$5,688,040	0.0118%	\$430,000		no Public Assistance recorded (1 declaration)	
Wildfire	\$4,081,280,541	\$15,177,865	22,294	\$4,572	\$3	\$587	0.000112%				
Winter Weather	\$61,935,559,961	\$174,624,509	257,200	\$203,936	\$518	\$128,406	0.000329%		\$0		

Totals since 2024-07-22 (Storm Events through 2026-06-30): 52 county-coded records, 52 with a damage value recorded (including \$0), \$750,000; 5 zone-level records, 5 with a damage value recorded (including \$0), \$20,000 reported for the zone; Public Assistance: none recorded on the 1 counted declaration.

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	257,200
Building value (total, not at risk)	\$61,935,675,937
Agriculture value (total, not at risk)	\$174,624,509
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$113,961,323
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)	\$60,618,000
Social vulnerability rating	Relatively Low
Community resilience rating	Relatively 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)	3	Severe repetitive loss, FMA definition (44 CFR 77.2)	5
Repetitive loss, NFIP insurance definition	79	Severe repetitive loss, NFIP insurance definition	3

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	3	5	79	3	80	1	32
of which: St. Clair County (unincorporated area)	1	2	18	1	19	1	12
of which: Belleville city	0	0	3	0	3	0	0
of which: Cahokia Heights city (community ID not in plan data)	0	0	3	0	3	0	0
of which: Caseyville village	0	0	1	0	1	0	1
of which: Centreville city (community ID not in plan data)	0	1	5	1	5	0	2
of which: Dupo village	0	0	1	0	1	0	1
of which: East Carondelet village	0	0	4	0	4	0	1
of which: East St. Louis city	2	2	35	1	35	0	7
of which: O'Fallon city	0	0	2	0	2	0	2
of which: Swansea village	0	0	7	0	7	0	6
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>
St. Clair County	170616	1	2	18	1	19	1	12
Belleville city	170618	0	0	3	0	3	0	0
Brooklyn village	170619	0	0	0	0	0	0	0
Caseyville village	170621	0	0	1	0	1	0	1
Columbia city	170510	0	0	0	0	0	0	0
Dupo village	170624	0	0	1	0	1	0	1
East Carondelet village	170625	0	0	4	0	4	0	1
East St. Louis city	170626	2	2	35	1	35	0	7
Fairview Heights city	170895	0	0	0	0	0	0	0
Fayetteville village	170628	0	0	0	0	0	0	0
Hecker village	171264	0	0	0	0	0	0	0
Lebanon city	170629	0	0	0	0	0	0	0
Lenzburg village	170978	0	0	0	0	0	0	0
Marissa village	171058	0	0	0	0	0	0	0
Mascoutah city	170630	0	0	0	0	0	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>
Millstadt village	170838	0	0	0	0	0	0	0
New Athens village	170632	0	0	0	0	0	0	0
O'Fallon city	170633	0	0	2	0	2	0	2
Sauget village	170635	0	0	0	0	0	0	0
Shiloh village	171043	0	0	0	0	0	0	0
Smithton village	170892	0	0	0	0	0	0	0
St. Libory village	170634	0	0	0	0	0	0	0
Summerfield village	170636	0	0	0	0	0	0	0
Swansea village	170637	0	0	7	0	7	0	6
Washington Park village	170638	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	3	4	71	3	71	0	27
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	3	0	3	0	2
non-residential	0	1	4	0	5	1	3
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 76 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_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

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

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

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

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

Reuse and citation: Hazard Plain text and tables are licensed under Creative Commons Attribution 4.0 International (CC BY 4.0, <https://creativecommons.org/licenses/by/4.0/>); credit Hazard Plain and the release. The underlying federal data are public domain; OpenFEMA data are also subject to the OpenFEMA terms and conditions.

Cite this: Hazard Plain (2026). St. Clair County, IL: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 17163). Automated baseline. <https://hazardplain.org/il/17163/> 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