

Kendall County, IL

Risk-assessment baseline packet

County FIPS: 17093 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2029-05-01. Plan: Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742), approved 2024-05-02. Since the plan was approved on 2024-05-02: no new hazard declaration and 65 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 (\$33,686,192 a year), Cold Wave (\$23,061,341) and Tornado (\$12,208,730). 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; 17093 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 2029-05-01	Plan:	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)
Approved:	2024-05-02	Days to expiry:	944

What changed since your last plan (approved 2024-05-02)

New federal declarations:	none	Storm Events records since approval:	65 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 2, SRL 4 (44 CFR 77.2); any definition: 19	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: 23 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
Kendall County	County	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Aurora city	City	Approved, expires 2029-06-25	Kane County 2024 Hazard Mitigation Plan (FEMA plan 109698)	2024-06-26	2029-06-25	999		this jurisdiction approved 2025-04-14
Lisbon village	Village	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Montgomery village	Village	Approved, expires 2029-06-25	Kane County 2024 Hazard Mitigation Plan (FEMA plan 109698)	2024-06-26	2029-06-25	999		Also approved under plan 109742 (Kendall County 2024 Hazard Mitigation Plan, expires 2029-05-01). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. this jurisdiction approved 2025-06-04
Newark village	Village	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		this jurisdiction approved 2024-10-17
Oswego village	Village	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		this jurisdiction approved 2024-10-17
Plano city	City	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		this jurisdiction approved 2024-10-17
Plattville village	Village	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Yorkville city	City	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Kendall township	Township	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Oswego township	Township	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Lisbon Community Consolidated School District 90	School/School District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		this jurisdiction approved 2024-10-17
Newark Community High School District 18	School/School District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Oswego Community Unit School District 308	School/School District	Plan 109742 approved 2024-05-02, pending adoption here; not yet eligible	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742), pending adoption here	2024-05-02 by FEMA; not yet adopted here	2029-05-01 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Plano Community Unit School District 88	School/School District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Bristol-Kendall Fire Protection District	Fire/EMS District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Lisbon-Seward Fire Protection District	Fire/EMS District	Plan 109742 approved 2024-05-02, pending adoption here; not yet eligible	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742), pending adoption here	2024-05-02 by FEMA; not yet adopted here	2029-05-01 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Newark Fire Protection District	Fire/EMS District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Oswego Fire Protection District	Fire/EMS District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Oswegoland Park District	Conservation District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		
Parkview Christian Academy	School/School District	Plan 109742 approved 2024-05-02, pending adoption here; not yet eligible	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742), pending adoption here	2024-05-02 by FEMA; not yet adopted here	2029-05-01 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Sandwich Community Fire Protection District	Fire/EMS District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		this jurisdiction approved 2024-10-17
St. Mary Catholic School	School/School District	Approved, expires 2029-05-01	Kendall County 2024 Hazard Mitigation Plan (FEMA plan 109742)	2024-05-02	2029-05-01	944		this jurisdiction approved 2024-10-17

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	\$33,595,415	\$72,675	\$18,102	\$33,686,192	38	
2	Cold Wave	Relatively High	Very High	\$82	\$1,036	\$23,060,223	\$23,061,341	20	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).
3	Tornado	Relatively Moderate	Relatively High	\$5,631,123	\$1,259	\$6,576,347	\$12,208,730	22	
4	Strong Wind	Relatively High	Relatively High	\$1,383,676	\$7,464	\$1,366,919	\$2,758,060	208	Includes 10 High Wind and 2 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
5	Earthquake	Relatively Low	Relatively Low	\$932,247	n/a	\$222,291	\$1,154,538		Storm Events does not record earthquakes.
6	Heat Wave	Relatively Low	Relatively Low	\$9,773	\$1	\$1,091,033	\$1,100,807	12	
7	Lightning	Relatively Low	Relatively Low	\$26,182	n/a	\$269,290	\$295,472	2	
8	Drought	Relatively Low	Relatively Low	n/a	\$184,610	n/a	\$184,610	13	
9	Hail	Very Low	Relatively Low	\$142,876	\$1,863	\$5,113	\$149,852	86	
10	Winter Weather	Relatively Low	Relatively Moderate	\$15,525	\$619	\$96,652	\$112,797	72	Includes 1 Sleet record (outside NRI's Winter Weather definition).
11	Ice Storm	Relatively Low	Relatively Low	\$59,699	n/a	\$39,251	\$98,950	2	
12	Wildfire	Very Low	Very Low	\$7,454	\$4	\$938	\$8,396	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Hurricane	Very Low	Very Low	\$1,795	\$1,544	under \$1	\$3,339	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Landslide	Very Low	Very Low	\$133	n/a	\$728	\$861	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 wildfire and landslide 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, tsunami 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 8903.01 (Relatively Low, 73.4); tract 8907.03 (Relatively Low, 68.0); tract 8906.02 (Relatively Low, 65.1)
Hurricane	tract 8907.03 (Very Low, 31.9); tract 8906.02 (Very Low, 28.4); tract 8907.02 (Very Low, 22.2)
Landslide	tract 8907.03 (Relatively Low, 86.0); tract 8906.02 (Relatively Low, 85.4); tract 8905.01 (Very Low, 77.3)
Tornado	tract 8907.03 (Very High, 98.7); tract 8904.04 (Very High, 98.0); tract 8903.01 (Very High, 97.6)
Wildfire	tract 8904.02 (Very Low, 68.1); tract 8906.02 (Very Low, 67.4); tract 8901.08 (Very Low, 65.6)

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 8903.01 is Census Tract 8903.01). 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	19 records, 1996 to 2026 (19 zone-level)	1 day to 4 days (median 2 days); 17 with a recorded value	4 consecutive days, 2024-01-14 to 2024-01-17, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2004 (1 zone-level)		No crop damage reported in 1 record.		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	13 records, 2005 to 2025 (13 zone-level)	4 days to 240 days (median 23.5 days); 4 with a recorded value	240 days (about 7.9 months), 2005-06-15 to 2006-02-09, a run of 9 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.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Hail	hail size (inches)	91 records, 1956 to 2026	0.5 in to 4.75 in (median 1 in); 91 with a recorded value	4.75 in hail, 2015-06-10		Event records naming jurisdictions in the plan: Oswego township (18 records), Oswego village (18 records), Yorkville city (17 records), Plano city (9 records), Plattville village (7 records), Lisbon village (4 records), Montgomery village (3 records), Newark village (3 records).	
Excessive Heat, Heat	heat index (in event narratives)	12 records, 1999 to 2026 (12 zone-level)	1 day to 5 days (median 2 days); 12 with a recorded value	5 consecutive days, 1999-07-21 to 1999-07-25, 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)	2 records, 2007 to 2019 (2 zone-level)		No damage reported in 2 records.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	38 records, 1996 to 2025 (2 zone-level)		Flash Flood, 2008-09-14, \$2,000,000 property; \$0 crops (2008 dollars)		Event records naming jurisdictions in the plan: Oswego township (15 records), Oswego village (15 records), Yorkville city (5 records), Montgomery village (3 records), Plano city (3 records), Plattville village (2 records). Zone-level records (2) 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)	2 records, 2010 to 2025		Lightning, 2010-06-23, \$8,000 property; \$0 crops (2010 dollars)		No event record names a jurisdiction in the plan.	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	12 records, 1996 to 2019 (12 zone-level)	40 kt (46 mph) to 50 kt (58 mph) (median 50 kt (58 mph)); 11 with a recorded value	50 kt (58 mph) estimated gust, High Wind, 2019-02-24; same speed and measurement basis also recorded on 2002-03-09, 2003-11-13, 2010-10-26, 2010-10-27, 2015-11-11, 2016-02-19; NWS zone ILZ020	High Wind, 2010-10-26, \$100,000 property; \$0 crops (zone total, 2010 dollars)	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
Thunderstorm Wind	wind speed (kt and mph)	206 records, 1957 to 2026	50 kt (58 mph) to 80 kt (92 mph) (median 55 kt (63 mph)); 197 with a recorded value	80 kt (92 mph) measured gust, Thunderstorm Wind, 2012-06-29	Thunderstorm Wind, 2010-06-21, \$200,000 property; \$0 crops (2010 dollars)	Event records naming jurisdictions in the plan: Yorkville city (40 records), Oswego township (36 records), Oswego village (36 records), Plano city (27 records), Plattville village (19 records), Lisbon village (11 records), Newark village (9 records), Montgomery village (1 record).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	31 records, 1954 to 2025	F/EF0 to F/EF5 (median F/EF0); 28 with a recorded value	F5 tornado, 1990-08-28, 5.2 mi path length (whole path, pre-1996), 600 yd wide, \$250,000 property; crops not recorded (1990 dollars)	Tornado, 1984-04-27, \$2,500,000 property; crops not recorded (1984 dollars)	Event records naming jurisdictions in the plan: Lisbon village (3 records), Yorkville city (3 records), Oswego township (2 records), Oswego village (2 records), Montgomery village (1 record), Newark village (1 record), Plattville village (1 record).	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).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	72 records, 1997 to 2026 (72 zone-level)		No damage reported in 72 records.		Countywide (zone-level records).	

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of debris flow 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: 13 declarations covering 10 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>	Notes
2020-03-26	2020-01-20	DR-4489-IL	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$591,874.28	
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
2013-05-10	2013-04-16	DR-4116-IL	Major disaster	Severe Storms, Straight-Line Winds, and Flooding	Inland Flooding (primary); also designated: Strong Wind	\$426,466	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	
						<i>federal share obligated, nominal dollars</i>	Notes
2008-10-03	2008-09-13	DR-1800-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	\$92,293.50	
2006-12-29	2006-11-30	EM-3269-IL	Emergency	Snow	Winter Weather	\$115,257.79	
2005-09-07	2005-08-29	EM-3230-IL	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded	
2001-01-17	2000-12-11	EM-3161-IL	Emergency	Illinois Winter Snow Storms	Winter Weather	\$81,694.43	
1999-01-08	1999-01-01	EM-3134-IL	Emergency	Il-Winter Storm 1/1/99	Winter Weather	\$34,175	
1996-07-25	1996-07-17	DR-1129-IL	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded	
1990-08-29	1990-08-28	DR-878-IL	Major disaster	Tornadoes	Tornado	no Public Assistance recorded	
1979-01-16	1979-01-16	EM-3068-IL	Emergency	Blizzards & Snowstorms	Winter Weather	no Public Assistance recorded	
1974-06-10	1974-06-10	DR-438-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	

School districts and special districts in this county: \$269,059.19 (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	20	4	2	8	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	13	3	1	4	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	91	9	1	33	0	0	1955 to 2026-06-30	
Heat Wave	12	4	2	8	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	2	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	38	5	0	7	5	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	2	1	0	1	0	0	1996 to 2026-06-30	
Strong Wind	218	26	11	45	1	0	1955 to 2026-06-30	Includes 10 High Wind and 2 Strong Wind records.
Tornado	31	4	5	13	1	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	72	9	4	23	4	0	1996 to 2026-06-30	Includes 1 Sleet record.

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
2024-01-14	Extreme Cold/ Wind Chill		\$0 property; \$0 crops (zone total, 2024 dollars)	0, 0	NWS zone ILZ020 (KENDALL), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2019-02-24	High Wind	50 kt (58 mph) estimated gust	\$20,000 property; \$0 crops (zone total, 2019 dollars)	0, 0	NWS zone ILZ020 (KENDALL), zone-level		B1-c worst recorded: High Wind and Strong Wind
2015-06-10	Hail	4.75 in	\$100,000 property; \$0 crops (2015 dollars)	0, 0	MINOOKA		B1-c worst recorded: Hail
2012-06-29	Thunderstorm Wind	80 kt (92 mph) measured gust	\$0 property; \$0 crops (2012 dollars)	0, 0	OSWEGO		B1-c worst recorded: Thunderstorm Wind
2010-06-23	Lightning		\$8,000 property; \$0 crops (2010 dollars)	0, 0	PAVILION		B1-c worst recorded: Lightning
2008-09-14	Flash Flood		\$2,000,000 property; \$0 crops (2008 dollars)	0, 0	LITTLE ROCK to MONTGOMERY		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2005-06-15	Drought		damage not reported	0, 0	NWS zone ILZ020 (KENDALL), zone-level		B1-c worst recorded: Drought
2004-05-30	Thunderstorm Wind	50 kt (58 mph) estimated gust	damage not reported	0, 1	PLANO		deaths or injuries recorded
2003-11-13	High Wind	50 kt (58 mph) estimated gust	damage not reported	0, 1	NWS zone ILZ020 (KENDALL), zone-level		deaths or injuries recorded
1999-07-21	Heat		damage not reported	0, 0	NWS zone ILZ020 (KENDALL), zone-level		B1-c worst recorded: Excessive Heat, Heat
1990-08-28	Tornado	F5, 5.2 mi path length (whole path, pre-1996), 600 yd wide	\$250,000 property; crops not recorded (1990 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado
1984-04-27	Tornado	F3, 5 mi path length (whole path, pre-1996), 200 yd wide	\$2,500,000 property; crops not recorded (1984 dollars)	0, 0	location not recorded		B1-c most damaging: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (499 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	5.16	event-days per year	about 5.16 days per year	Likely	Storm Events event- days in 13 of 30 years, 1996 to 2025 (43.3%)	98	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	6.84	event-days per year	about 6.84 days per year	Likely	Storm Events event- days in 5 of 30 years, 1996 to 2025 (16.7%)	203	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00142	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.142%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	4.43	events per year	about 4.43 per year	Highly likely	FEMA annualized frequency (modeled)	168.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	3.53	event-days per year	about 3.53 days per year	Likely	Storm Events event- days in 7 of 30 years, 1996 to 2025 (23.3%)	55	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	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	0.926	event-days per year	about 0.926 days per year	Possible	Storm Events event- days in 2 of 30 years, 1996 to 2025 (6.67%)	63	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1	event-day per year	about 1 day per year	Likely	Storm Events event- days in 20 of 30 years, 1996 to 2025 (66.7%)	28	1996 to 2023 (28 years)	see B1-f	
Landslide	0.0532	events per year (modeled)	about 1 in 19 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	44.2	days per year with a strike	about 44.2 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	6.27	events per year	about 6.27 per year	Highly likely	FEMA annualized frequency (modeled)	239	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	0.272	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.0000912	annual probability at a location	chance a given location in the county burns in a year: 0.00912%		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	14.4	event-days per year	about 14.4 days per year	Likely	Storm Events event-days in 26 of 30 years, 1996 to 2025 (86.7%)	273	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	46	30	1.53
Hail	2.00 in+	1996 to 2025	10	30	0.333
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	169	30	5.63
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	18	30	0.6
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	2	30	0.0667
Tornado	EF0-1	1996 to 2025	21	30	0.7
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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	21 of 21	94.4	98.3	99.6	Very High 18, Relatively High 3
Drought	19 of 21	68.2	81.9	93.9	Relatively Moderate 2, Relatively Low 9, Very Low 8, No Rating 2
Earthquake	21 of 21	37.1	56.0	73.4	Relatively Low 17, Very Low 4
Hail	21 of 21	26.3	43.9	56.7	Relatively Low 16, Very Low 5
Heat Wave	21 of 21	30.8	51.0	70.8	Relatively Moderate 6, Relatively Low 15
Hurricane	21 of 21	13.4	18.6	31.9	Very Low 21
Ice Storm	21 of 21	19.3	36.7	59.1	Relatively Low 13, Very Low 8
Inland Flooding	21 of 21	30.0	78.2	97.2	Very High 2, Relatively High 8, Relatively Moderate 8, Relatively Low 3
Landslide	21 of 21	27.7	55.0	86.0	Relatively Low 2, Very Low 19
Lightning	21 of 21	31.2	46.8	67.2	Relatively Moderate 9, Relatively Low 12
Strong Wind	21 of 21	76.0	88.9	96.5	Relatively High 17, Relatively Moderate 4

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	21 of 21	74.5	90.7	98.7	Very High 10, Relatively High 11
Wildfire	20 of 21	19.3	40.3	68.1	Very Low 20, No Rating 1
Winter Weather	21 of 21	46.1	59.8	76.2	Relatively Moderate 18, Relatively Low 3

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
Kendall County	County	Approved, expires 2029-05-01	FMA RL 1, SRL 3; any 11	\$113,537.12	0 total; 0 since its plan	Includes \$60,364.66 for declarations not counted as hazard incidents (DR-4489-IL).
Aurora city	City	Approved, expires 2029-06-25	FMA RL 0, SRL 4; any 13	no Public Assistance recorded	0 total; 0 since its plan	Whole community, including the part in Kane County; none of its repeat-flood properties are in this county.
Lisbon village	Village	Approved, expires 2029-05-01	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	18 total; 2 since its plan	
Montgomery village	Village	Approved, expires 2029-06-25	FMA RL 0, SRL 6; any 8	no Public Assistance recorded	8 total; 1 since its plan	Also approved under plan 109742 (Kendall County 2024 Hazard Mitigation Plan, expires 2029-05-01). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. Whole community, including the part in Kane County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.
Newark village	Village	Approved, expires 2029-05-01	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	13 total; 0 since its plan	
Oswego village	Village	Approved, expires 2029-05-01	FMA RL 0, SRL 0; any 0	\$310,583.56	71 total; 11 since its plan	Includes \$120,227.98 for declarations not counted as hazard incidents (DR-4489-IL).
Plano city	City	Approved, expires 2029-05-01	FMA RL 0, SRL 1; any 2	\$50,948.40	39 total; 4 since its plan	Includes \$4,290.10 for declarations not counted as hazard incidents (DR-4489-IL).
Plattville village	Village	Approved, expires 2029-05-01	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	29 total; 3 since its plan	
Yorkville city	City	Approved, expires 2029-05-01	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	65 total; 8 since its plan	
Kendall township	Township	Approved, expires 2029-05-01		no Public Assistance recorded	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Oswego township	Township	Approved, expires 2029-05-01		no Public Assistance recorded	71 total; 11 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 <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 2024-05-02 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Cold Wave	\$35,826,419,752	\$130,847,943	131,852	\$82	\$1,036	\$23,060,223	under 0.0001%		\$0		
Drought	n/a	\$80,962,392	n/a	n/a	\$184,610	n/a	0.228% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$58,286,124,884	n/a	131,869	\$932,247	n/a	\$222,291	0.0016%				
Hail	\$35,826,419,752	\$130,847,943	131,852	\$142,876	\$1,863	\$5,113	0.000399%	\$0			
Heat Wave	\$35,826,419,752	\$130,847,943	131,852	\$9,773	\$1	\$1,091,033	under 0.0001%		\$0		
Hurricane	\$35,826,419,752	\$130,847,943	131,852	\$1,795	\$1,544	under \$1	under 0.0001%				
Ice Storm	\$35,823,971,173	n/a	131,843	\$59,699	n/a	\$39,251	0.000167%				
Inland Flooding	\$35,815,293,455	\$5,800,115	973	\$33,595,415	\$72,675	\$18,102	n/a (see note)	\$300,000			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	\$159,130,615	n/a	542	\$133	n/a	\$728	under 0.0001%				
Lightning	\$35,826,419,752	n/a	131,852	\$26,182	n/a	\$269,290	under 0.0001%	\$1,000			
Strong Wind	\$35,826,419,752	\$130,847,943	131,852	\$1,383,676	\$7,464	\$1,366,919	0.00386%	\$0			
Tornado	\$35,826,419,752	\$130,847,943	131,852	\$5,631,123	\$1,259	\$6,576,347	0.0157%	\$0			

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 2024-05-02 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Wildfire	\$1,394,726,472	\$5,415,097	7,111	\$7,454	\$4	\$938	0.000534%				
Winter Weather	\$35,826,419,752	\$130,847,943	131,852	\$15,525	\$619	\$96,652	under 0.0001%		\$0		

Totals since 2024-05-02 (Storm Events through 2026-06-30): 45 county-coded records, 45 with a damage value recorded (including \$0), \$301,000; 20 zone-level records, 20 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	131,852
Building value (total, not at risk)	\$35,826,419,752
Agriculture value (total, not at risk)	\$130,847,943
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$42,077,057
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)	\$32,746,887
Social vulnerability rating	Very 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)	2	Severe repetitive loss, FMA definition (44 CFR 77.2)	4
Repetitive loss, NFIP insurance definition	17	Severe repetitive loss, NFIP insurance definition	2

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	2	4	17	2	19	1	5
of which: Montgomery village	0	0	1	0	1	0	0
of which: Kendall County (unincorporated area)	1	3	9	1	11	1	4
of which: Lisbon village	0	0	1	0	1	0	0
of which: Millington village (community ID not in plan data)	1	0	2	0	2	0	1
of which: Plano city	0	1	2	1	2	0	0
of which: United City of Yorkville	0	0	1	0	1	0	0
of which: Unknown (community ID Unknown in FEMA data)	0	0	1	0	1	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>	Note
Kendall County	170341	1	3	9	1	11	1	4	
Aurora city	170320	0	4	11	2	13	0	2	Whole community, including the part in Kane County; none of its repeat-flood properties are in this county.
Lisbon village	170342	0	0	1	0	1	0	0	
Montgomery village	170328	0	6	6	4	8	1	2	Whole community, including the part in Kane County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.
Newark village	170344	0	0	0	0	0	0	0	
Oswego village	170345	0	0	0	0	0	0	0	
Plano city	170346	0	1	2	1	2	0	0	
Plattville village	171390	0	0	0	0	0	0	0	
Yorkville city	170347	0	0	1	0	1	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	2	2	11	0	13	1	5
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	1	2	1	2	0	0
non-residential	0	1	3	1	3	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 1 property is FMA repetitive loss but not NFIP repetitive loss, and 16 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):

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 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
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 5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
 8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_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_Gaz_unsd_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_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).

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Cite this: Hazard Plain (2026). Kendall County, IL: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 17093). Automated baseline. <https://hazardplain.org/il/17093/> 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