

St. Louis County, MO

Risk-assessment baseline packet

County FIPS: 29189 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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

Summary

Plan status as of 2026-09-30: Approved, expires 2030-08-19. Plan: East-West Gateway (FEMA plan 110991), approved 2025-08-20.

Since the plan was approved on 2025-08-20: no new hazard declaration and 24 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): Heat Wave (\$253,179,209 a year), Inland Flooding (\$240,321,494) and Earthquake (\$140,513,568).

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; 29189 is this area.

D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).

F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.

kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.

CFR: Code of Federal Regulations.

A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).

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

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Plan clock

Status:	Approved, expires 2030-08-19	Plan:	East-West Gateway (FEMA plan 110991)
Approved:	2025-08-20	Days to expiry:	1,419
What changed since your last plan (approved 2025-08-20)			
New federal declarations:	none	Storm Events records since approval:	24 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 58, SRL 313 (44 CFR 77.2); any definition: 868	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: 47 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. Louis County	County	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2026-07-02
Ballwin city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	East-West Gateway (FEMA plan 110991), pending adoption here	2025-08-20 by FEMA; not yet adopted here	2030-08-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Black Jack city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Brentwood city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Chesterfield city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Clayton city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	East-West Gateway (FEMA plan 110991), pending adoption here	2025-08-20 by FEMA; not yet adopted here	2030-08-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Country Club Hills city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	East-West Gateway (FEMA plan 110991), pending adoption here	2025-08-20 by FEMA; not yet adopted here	2030-08-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Crestwood city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Creve Coeur city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Dellwood city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Des Peres city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Ellisville city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Eureka city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Fenton city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Ferguson city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	East-West Gateway (FEMA plan 110991), pending adoption here	2025-08-20 by FEMA; not yet adopted here	2030-08-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Florissant city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Frontenac city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Glendale city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Hanley Hills village	Village	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Hazelwood city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Ladue city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Manchester city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Maplewood city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Maryland Heights city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Olivette city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Pasadena Hills city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	East-West Gateway (FEMA plan 110991), pending adoption here	2025-08-20 by FEMA; not yet adopted here	2030-08-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Pasadena Park village	Village	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Richmond Heights city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Rock Hill city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Town and Country city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
University City city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Vinita Park city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Webster Groves city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Wildwood city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Winchester city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Clayton School District	School/School District	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Hancock Place School District	School/School District	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Hazelwood School District	School/School District	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Parkway C-2 School District	School/School District	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	East-West Gateway (FEMA plan 110991), pending adoption here	2025-08-20 by FEMA; not yet adopted here	2030-08-19 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>		
Valley Park School District	School/School District	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Bel-Nor city	City	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Bi-State Development Agency	Special District	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	East-West Gateway (FEMA plan 110991), pending adoption here	2025-08-20 by FEMA; not yet adopted here	2030-08-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Dunklin R-V	School/School District	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Metropolitan Park and Recreation District	Special District	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		
Metropolitan St. Louis Sewer District	Water/Sewer Authority	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Orchard Farm R-5	School/School District	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15
Pacific Fire Protection District	Fire/EMS District	Approved, expires 2030-08-19	East-West Gateway (FEMA plan 110991)	2025-08-20	2030-08-19	1,419		this jurisdiction approved 2025-10-15

Plan 110991 lists 28 other participants not on this page, 7 of them not covered by it yet (named in the Excel file).

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	Heat Wave	Very High	Very High	\$2,116	\$1	\$253,177,092	\$253,179,209	95	
2	Inland Flooding	Relatively High	Relatively High	\$236,355,451	\$257,552	\$3,708,490	\$240,321,494	90	
3	Earthquake	Relatively High	Relatively High	\$81,019,754	n/a	\$59,493,813	\$140,513,568		Storm Events does not record earthquakes.
4	Cold Wave	Very High	Very High	\$224	\$22,987	\$40,772,564	\$40,795,775	6	Includes 1 Frost/Freeze record (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
5	Hail	Very High	Very High	\$37,594,797	\$65	\$443,612	\$38,038,474	522	
6	Tornado	Relatively High	Relatively High	\$13,152,816	\$1,133	\$13,126,211	\$26,280,161	39	
7	Lightning	Very High	Very High	\$474,625	n/a	\$4,999,331	\$5,473,957	16	
8	Ice Storm	Very High	Very High	\$3,712,753	n/a	\$104,091	\$3,816,844	4	
9	Strong Wind	Relatively High	Relatively High	\$63,254	\$221	\$2,087,217	\$2,150,691	469	Includes 12 High Wind and 2 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Winter Weather	Very High	Very High	\$804,289	\$22	\$703,189	\$1,507,500	56	Includes 2 Sleet records (outside NRI's Winter Weather definition).
11	Landslide	Relatively Moderate	Relatively Moderate	\$150,478	n/a	\$292,080	\$442,557	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Wildfire	Very Low	Relatively Low	\$92,268	\$6	\$8,474	\$100,748	0	Declared 1 time; no Storm Events record of this type.

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
13	Hurricane	Very Low	Very Low	\$47,430	\$813	\$137	\$48,380	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Drought	Very Low	Very Low	n/a	\$19,566	n/a	\$19,566	8	

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, 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 2152.01 (Very High, 97.6); tract 2137.01 (Relatively High, 96.9); tract 2115 (Relatively High, 95.2)
Hurricane	tract 2131.02 (Very Low, 31.8); tract 2177.02 (Very Low, 30.9); tract 2152.01 (Very Low, 30.7)
Landslide	tract 2216.21 (Relatively High, 99.5); tract 2215.02 (Relatively High, 99.5); tract 2214.21 (Relatively Moderate, 99.0)
Tornado	tract 2106 (Relatively High, 83.3); tract 2177.02 (Relatively High, 82.2); tract 2152.01 (Relatively High, 78.5)
Wildfire	tract 2216.21 (Relatively Low, 85.1); tract 2216.27 (Relatively Low, 79.1); tract 2216.26 (Relatively Low, 77.0)

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 2152.01 is Census Tract 2152.01). 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	5 records, 2000 to 2024 (5 zone-level)	1 day to 12 days (median 2 days); 5 with a recorded value	12 consecutive days, 2010-01-01 to 2010-01-12, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2007 (1 zone-level)		No crop damage reported in 1 record.		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	8 records, 2005 to 2018 (8 zone-level)	31 days to 106 days (median 83 days); 3 with a recorded value	106 days (about 3.5 months), 2017-11-15 to 2018-02-28, a run of 4 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)	660 records, 1957 to 2026	0.75 in to 4.5 in (median 1 in); 660 with a recorded value	4.5 in hail, 2011-05-25	Hail, 2001-04-10, \$400,000,000 property; crops not reported (2001 dollars)	Event records naming jurisdictions in the plan: Fenton city (32 records), Florissant city (30 records), Chesterfield city (26 records), Creve Coeur city (18 records), Ballwin city (16 records), Hazelwood city (16 records), University City city (13 records), Ellisville city (12 records), Maryland Heights city (12 records), Webster Groves city (11 records); and 17 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	95 records, 1996 to 2025 (95 zone-level)	1 day to 18 days (median 3.5 days); 82 with a recorded value	18 consecutive days, 2011-07-17 to 2011-08-03, 3 direct deaths, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	4 records, 1996 to 2017 (4 zone-level)		Ice Storm, 2007-01-12, \$100,000 property; \$0 crops (2007 dollars); NWS zone MOZ063		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)	90 records, 1996 to 2026 (8 zone-level)		Flood, 2015-12-27, \$235,000,000 property; \$0 crops (2015 dollars)		Event records naming jurisdictions in the plan: Chesterfield city (5 records), Fenton city (5 records), Brentwood city (3 records), Clayton city (2 records), Des Peres city (2 records), Hazelwood city (2 records), Town and Country city (2 records), Ballwin city (1 record), Black Jack city (1 record), Country Club Hills city (1 record); and 5 more jurisdictions (see the Excel file). Zone-level records (8) 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)	16 records, 1996 to 2021		Lightning, 2010-06-15, \$0 property; \$0 crops (2010 dollars), 1 direct death	Lightning, 2002-07-22, \$200,000 property; crops not reported (2002 dollars)	Event records naming jurisdictions in the plan: Ballwin city (1 record), Country Club Hills city (1 record), Creve Coeur city (1 record), Fenton city (1 record), Florissant city (1 record), Frontenac city (1 record), University City city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	14 records, 1996 to 2025 (14 zone-level)	35 kt (40 mph) to 61 kt (70 mph) (median 49.5 kt (57 mph)); 14 with a recorded value	61 kt (70 mph), measurement type not recorded, High Wind, 1996-04-28; NWS zone MOZ063	High Wind, 2025-03-14, \$50,000 property; \$0 crops (zone total, 2025 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	635 records, 1956 to 2026	50 kt (58 mph) to 104 kt (120 mph) (median 56 kt (64 mph)); 520 with a recorded value	104 kt (120 mph) estimated gust, Thunderstorm Wind, 2015-04-09	Thunderstorm Wind, 2024-04-18, \$600,000 property; \$0 crops (2024 dollars)	Event records naming jurisdictions in the plan: Chesterfield city (26 records), Florissant city (20 records), Fenton city (19 records), Creve Coeur city (14 records), Ballwin city (13 records), Hazelwood city (13 records), Clayton city (12 records), Eureka city (12 records), Webster Groves city (12 records), University City city (11 records); and 18 more jurisdictions (see the Excel file).	Speeds under 20 kt (likely entry errors) are left out of the observed range.
Tornado	Enhanced Fujita (Fujita before Feb 2007)	58 records, 1950 to 2026	F/EF0 to F/EF4 (median F/EF1); 56 with a recorded value	F4 tornado, 1967-01-24, 25 mi path length (whole path, pre-1996), 200 yd wide, \$25,000,000 property; crops not recorded (1967 dollars), 3 direct deaths, 216 direct injuries	Tornado, 2011-04-22, \$250,000,000 property; \$0 crops (2011 dollars)	Event records naming jurisdictions in the plan: Brentwood city (2 records), Ballwin city (1 record), Chesterfield city (1 record), Clayton city (1 record), Creve Coeur city (1 record), Des Peres city (1 record), Fenton city (1 record), Frontenac city (1 record), Hanley Hills village (1 record), Hazelwood city (1 record); and 7 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)	56 records, 1996 to 2025 (56 zone-level)		Winter Storm, 2006-11-30, \$40,000,000 property; \$0 crops (2006 dollars), 14 direct injuries (reported for the zone); NWS zone MOZ063		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: 34 declarations covering 29 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
2025-06-09	2025-05-16	DR-4877-MO	Major disaster	Severe Storms, Straight-Line Winds, Tornadoes, and Flooding	Inland Flooding; Strong Wind; Tornado	\$10,287,350.14	in the 12 months before plan approval; within last 5 years	
2025-05-21	2025-03-14	DR-4867-MO	Major disaster	Severe Storms, Straight-Line Winds, Tornadoes, and Wildfires	Strong Wind; Tornado; Wildfire	PA not declared for this county	in the 12 months before plan approval; within last 5 years	
2022-08-08	2022-07-25	DR-4665-MO	Major disaster	Severe Storms and Flooding	Inland Flooding	\$15,659,026.99	within last 5 years	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-03-26	2020-01-20	DR-4490-MO	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$374,602,436.64		
2020-03-13	2020-01-20	EM-3482-MO	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident DR-4
2017-06-02	2017-04-28	DR-4317-MO	Major disaster	Severe Storms, Tornadoes, Straight-Line Winds and Flooding	Inland Flooding (primary); also designated: Strong Wind, Tornado	\$2,402,014.46		
2016-01-21	2015-12-23	DR-4250-MO	Major disaster	Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	Inland Flooding (primary); also designated: Strong Wind, Tornado	\$7,597,773.96		
2016-01-02	2015-12-22	EM-3374-MO	Emergency	Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	Inland Flooding (primary); also designated: Strong Wind, Tornado	no Public Assistance recorded		same incident DR-4
2013-07-18	2013-05-29	DR-4130-MO	Major disaster	Severe Storms, Straight-Line Winds, Tornadoes, and Flooding	Inland Flooding; Strong Wind; Tornado	\$1,618,719.21		
2011-06-30	2011-06-01	EM-3325-MO	Emergency	Flooding	Inland Flooding	no Public Assistance recorded		
2011-05-09	2011-04-19	DR-1980-MO	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$2,301,162.71		
2011-02-03	2011-01-31	EM-3317-MO	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded		
2009-01-30	2009-01-26	EM-3303-MO	Emergency	Severe Winter Storm	Ice Storm	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2008-11-13	2008-09-11	DR-1809-MO	Major disaster	Severe Storms, Flooding, and a Tornado	Inland Flooding; Tornado	PA not declared for this county		
2008-06-25	2008-06-01	DR-1773-MO	Major disaster	Severe Storms and Flooding	Inland Flooding	none placed in this county by FEMA's record; \$587,766 for this declaration is not placed in any county (see the state page)		
2008-03-19	2008-03-17	DR-1749-MO	Major disaster	Severe Storms and Flooding	Inland Flooding	\$7,780.81		
2007-12-12	2007-12-08	EM-3281-MO	Emergency	Severe Winter Storms	Ice Storm	no Public Assistance recorded		
2007-01-15	2007-01-12	DR-1676-MO	Major disaster	Severe Winter Storms and Flooding	Ice Storm	\$2,401,738.15		
2006-12-29	2006-11-30	DR-1673-MO	Major disaster	Severe Winter Storms	Winter Weather	\$2,275,394.81		
2006-07-21	2006-07-19	EM-3267-MO	Emergency	Severe Storms	Hazard not mapped (severe storm title names no single hazard); not counted	\$4,192,690.27		
2005-09-10	2005-08-29	EM-3232-MO	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$327,664.91		
2003-05-06	2003-05-04	DR-1463-MO	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	PA not declared for this county		
2000-05-12	2000-05-06	DR-1328-MO	Major disaster	Severe Thunderstorms and Flash Flooding	Inland Flooding	\$1,379.55		FEMA declaration record does list Public Assistance but FEMA projection summary shows obligation for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
1998-10-19	1998-07-10	DR-1256-MO	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county		
1995-06-02	1995-05-13	DR-1054-MO	Major disaster	Severe Storms, Tornadoes, Hail, Flooding	Hail; Inland Flooding; Tornado	no Public Assistance recorded		
1994-04-21	1994-04-09	DR-1023-MO	Major disaster	Severe Storms, Tornadoes, Flooding	Inland Flooding; Tornado	PA not declared for this county		
1993-12-01	1993-11-13	DR-1006-MO	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	PA not declared for this county		
1993-07-09	1993-06-10	DR-995-MO	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1993-05-11	1993-04-15	DR-989-MO	Major disaster	Severe Storms & Flooding	Inland Flooding	PA not declared for this county		
1986-10-14	1986-09-18	DR-779-MO	Major disaster	Severe Storms & Flooding	Inland Flooding	PA not declared for this county		
1982-12-10	1982-12-10	DR-672-MO	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county		
1979-04-21	1979-04-21	DR-579-MO	Major disaster	Tornadoes, Torrential Rain & Flooding	Tornado (primary); also designated: Inland Flooding	no Public Assistance recorded		
1976-09-24	1976-09-24	EM-3017-MO	Emergency	Drought	Drought	no Public Assistance recorded		
1973-04-19	1973-04-19	DR-372-MO	Major disaster	Heavy Rains, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded		

School districts and special districts in this county: \$30,296.74 (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
1964-07-08	1964-07-08	DR-173-MO	Major disaster	Severe Storms & Flooding	Inland Flooding
1961-05-27	1961-05-27	DR-114-MO	Major disaster	Floods	Inland Flooding
1960-04-20	1960-04-20	DR-100-MO	Major disaster	Floods	Inland Flooding
1957-05-22	1957-05-22	DR-75-MO	Major disaster	Tornadoes & Floods	Tornado (primary); also designated: 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, \$49,419.89

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4238-MO	2015-08-07	Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	OLD MONROE LEVEE DISTRICT	\$49,419.89

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 Missouri county: 24 rows, \$2,272,582.85; listed on the Missouri 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 records	In the 12 months before plan approval records	Last 5 years records	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	6	0	0	1	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	8	0	0	0	1	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	660	12	93	132	1	0	1955 to 2026-06-30	
Heat Wave	95	0	2	4	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	4	0	0	0	3	0	1996 to 2026-06-30	

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
Inland Flooding	90	1	6	15	22	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	16	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	649	7	28	74	5	0	1955 to 2026-06-30	Includes 12 High Wind and 2 Strong Wind records.
Tornado	58	2	6	19	13	0	1950 to 2026-06-30	
Wildfire	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Winter Weather	56	2	1	7	2	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	Why listed
2015-12-27	Flood		\$235,000,000 property; \$0 crops (2015 dollars)	0, 0	ALLENTON to CENTAUR	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2015-04-09	Thunderstorm Wind	104 kt (120 mph) estimated gust	\$0 property; \$0 crops (2015 dollars)	0, 0	MONARCH to (SUS)SPIRIT/ST LOUIS	B1-c worst recorded: Thunderstorm Wind
2011-07-17	Excessive Heat		\$0 property; \$0 crops (zone total, 2011 dollars)	3, 167	NWS zone MOZ063 (ST. LOUIS), zone-level	B1-c worst recorded: Excessive Heat, Heat
2011-05-25	Hail	4.5 in	\$0 property; \$0 crops (2011 dollars)	0, 0	GRAVOIS	B1-c worst recorded: Hail
2010-06-15	Lightning		\$0 property; \$0 crops (2010 dollars)	1, 0	COUNTRY CLUB HILLS	B1-c worst recorded: Lightning
2010-01-01	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2010 dollars)	0, 0	NWS zone MOZ063 (ST. LOUIS), zone-level	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2007-01-12	Ice Storm		\$100,000 property; \$0 crops (zone total, 2007 dollars)	0, 0	NWS zone MOZ063 (ST. LOUIS), zone-level	B1-c worst recorded: Ice Storm
2001-04-08	Heat		damage not reported	4, 0	NWS zone MOZ063 (ST. LOUIS), zone-level	deaths or injuries recorded
1999-07-18	Heat		damage not reported	5, 186	NWS zone MOZ063 (ST. LOUIS), 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 MOZ063 (ST. LOUIS), zone-level	B1-c worst recorded: High Wind and Strong Wind
1967-01-24	Tornado	F4, 25 mi path length (whole path, pre-1996), 200 yd wide	\$25,000,000 property; crops not recorded (1967 dollars)	3, 216	location not recorded	B1-c worst recorded: Tornado
1959-02-10	Tornado	F4, 16.2 mi path length (whole path, pre-1996), 200 yd wide	\$25,000,000 property; crops not recorded (1959 dollars)	10, 170	location not recorded	deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,642 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	1.74	event-days per year	about 1.74 days per year	Likely	Storm Events event- days in 5 of 30 years, 1996 to 2025 (16.7%)	33	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	1.86	event-days per year	about 1.86 days per year	Likely	Storm Events event- days in 4 of 30 years, 1996 to 2025 (13.3%)	56	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00541	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.541%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	5.26	events per year	about 5.26 per year	Highly likely	FEMA annualized frequency (modeled)	200.0 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	14.8	event-days per year	about 14.8 days per year	Highly likely	Storm Events event- days in 27 of 30 years, 1996 to 2025 (90%)	153	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0111	events per year	about 1 in 90 years	Possible	FEMA annualized frequency (modeled)	2	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	1.41	event-days per year	about 1.41 days per year	Likely	Storm Events event- days in 4 of 30 years, 1996 to 2025 (13.3%)	95	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.79	event-days per year	about 2.79 days per year	Highly likely	Storm Events event- days in 27 of 30 years, 1996 to 2025 (90%)	78	1996 to 2023 (28 years)	see B1-f	
Landslide	0.966	events per year (modeled)	about 0.97 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	53	days per year with a strike	about 53 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	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
Strong Wind	5.93	events per year	about 5.93 per year	Highly likely	FEMA annualized frequency (modeled)	226	1986 to 2023 (38 years)	countywide	
Tornado	0.406	events per year	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.000116	annual probability at a location	chance a given location in the county burns in a year: 0.0116%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	8.74	event-days per year	about 8.74 days per year	Likely	Storm Events event- days in 25 of 30 years, 1996 to 2025 (83.3%)	166	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	314	30	10.5
Hail	2.00 in+	1996 to 2025	38	30	1.27
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	402	30	13.4
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	46	30	1.53
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	31	30	1.03
Tornado	EF2-3	1996 to 2025	5	30	0.167
Tornado	EF4-5	1996 to 2025	1	30	0.0333
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	236 of 236	27.0	78.8	93.2	Relatively High 131, Relatively Moderate 102, Relatively Low 3
Drought	37 of 236	67.2	72.1	83.8	Relatively Low 5, Very Low 32, No Rating 199
Earthquake	236 of 236	70.6	85.7	97.6	Very High 1, Relatively High 63, Relatively Moderate 160, Relatively Low 12
Hail	236 of 236	75.5	93.0	99.4	Very High 12, Relatively High 185, Relatively Moderate 39
Heat Wave	236 of 236	75.8	99.0	100.0	Very High 224, Relatively High 11, Relatively Moderate 1
Hurricane	236 of 236	14.3	22.4	31.8	Very Low 236
Ice Storm	236 of 236	38.1	74.6	94.4	Relatively High 11, Relatively Moderate 161, Relatively Low 64
Inland Flooding	236 of 236	4.2	66.7	98.4	Very High 7, Relatively High 70, Relatively Moderate 102, Relatively Low 50, Very Low 7
Landslide	236 of 236	22.3	72.3	99.5	Relatively High 2, Relatively Moderate 8, Relatively Low 54, Very Low 172
Lightning	236 of 236	31.6	70.2	92.2	Relatively High 55, Relatively Moderate 161, Relatively Low 20
Strong Wind	236 of 236	12.8	33.1	57.7	Relatively Moderate 1, Relatively Low 222, Very Low 13

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	236 of 236	34.4	58.4	83.3	Relatively High 9, Relatively Moderate 166, Relatively Low 61
Wildfire	212 of 236	19.8	35.6	85.1	Relatively Low 22, Very Low 190, No Rating 24
Winter Weather	236 of 236	39.7	68.8	90.0	Relatively High 29, Relatively Moderate 201, Relatively Low 6

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. Louis County	County	Approved, expires 2030-08-19	FMA RL 13, SRL 85; any 235	\$37,965,923.23	0 total; 0 since its plan	Includes \$33,708,444.91 for declarations not counted as hazard incidents (DR-4490-MO, EM-3232-MO, EM-3267-MO).
Ballwin city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 4	\$220,190.07	32 total; no approved plan	Includes \$4,970.98 for declarations not counted as hazard incidents (EM-3267-MO).
Black Jack city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	6 total; 0 since its plan	
Brentwood city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 39; any 56	\$3,098,913.71	19 total; 1 since its plan	Includes \$68,579.02 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Chesterfield city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 1; any 6	\$304,325.59	58 total; 1 since its plan	Includes \$42,083.28 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Clayton city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 2	\$2,938,342.45	24 total; no approved plan	Includes \$252,961.36 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Country Club Hills city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$70,935.36	3 total; no approved plan	
Crestwood city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 1; any 5	\$63,514.75	13 total; 0 since its plan	Includes \$20,216.52 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Creve Coeur city	City	Approved, expires 2030-08-19	FMA RL 1, SRL 1; any 3	\$425,129.25	34 total; 0 since its plan	Includes \$129,731.47 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).

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
Dellwood city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 0	\$124,590.12	0 total; 0 since its plan	Includes \$5,606.49 for declarations not counted as hazard incidents (EM-3267-MO).
Des Peres city	City	Approved, expires 2030-08-19	FMA RL 1, SRL 2; any 3	\$389,135.19	14 total; 1 since its plan	Includes \$330,508.29 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Ellisville city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 0	\$131,864.90	21 total; 1 since its plan	Includes \$10,580.44 for declarations not counted as hazard incidents (EM-3267-MO).
Eureka city	City	Approved, expires 2030-08-19	FMA RL 2, SRL 6; any 19	\$569,804.39	19 total; 0 since its plan	Includes \$40,215.60 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Fenton city	City	Approved, expires 2030-08-19	FMA RL 16, SRL 37; any 67	\$575,937.58	58 total; 1 since its plan	Includes \$19,585.01 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Ferguson city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	FMA RL 2, SRL 2; any 35	\$1,418,981.21	16 total; no approved plan	Includes \$142,277.35 for declarations not counted as hazard incidents (EM-3267-MO).
Florissant city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 1; any 23	\$431,977.50	51 total; 0 since its plan	Includes \$179,749.06 for declarations not counted as hazard incidents (EM-3267-MO).
Frontenac city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 1; any 5	\$22,066.02	5 total; 0 since its plan	
Glendale city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 1; any 1	\$246,606.22	0 total; 0 since its plan	Includes \$69,128.90 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Hanley Hills village	Village	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 0	\$117,736.20	6 total; 1 since its plan	
Hazelwood city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 9; any 40	\$384,348.79	32 total; 0 since its plan	Includes \$49,894.14 for declarations not counted as hazard incidents (EM-3267-MO).
Ladue city	City	Approved, expires 2030-08-19	FMA RL 7, SRL 8; any 34	\$201,516.07	6 total; 0 since its plan	
Manchester city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 4; any 8	\$30,087.51	18 total; 0 since its plan	Includes \$6,688.79 for declarations not counted as hazard incidents (EM-3267-MO).
Maplewood city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 9	\$94,283.77	9 total; 0 since its plan	Includes \$80,620.84 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Maryland Heights city	City	Approved, expires 2030-08-19	FMA RL 1, SRL 2; any 7	\$1,091,643.02	22 total; 0 since its plan	Includes \$31,675.77 for declarations not counted as hazard incidents (EM-3267-MO).
Olivette city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 3	\$87,025.43	13 total; 0 since its plan	Includes \$15,458.81 for declarations not counted as hazard incidents (EM-3267-MO).
Pasadena Hills city	City	Plan 110991 approved 2025-08-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$7,905.75	0 total; no approved plan	Includes \$7,905.75 for declarations not counted as hazard incidents (EM-3267-MO).
Pasadena Park village	Village	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Richmond Heights city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 1	\$680,604.11	13 total; 0 since its plan	Includes \$366,062.21 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Rock Hill city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 5; any 10	\$20,848.59	10 total; 0 since its plan	Includes \$12,413.33 for declarations not counted as hazard incidents (EM-3267-MO).
Town and Country city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 1; any 1	\$160,590.81	16 total; 1 since its plan	Includes \$3,650 for declarations not counted as hazard incidents (DR-4490-MO).
University City city	City	Approved, expires 2030-08-19	FMA RL 5, SRL 21; any 77	\$6,600,699.57	27 total; 3 since its plan	Includes \$291,665.06 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Vinita Park city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 0	\$126,135.37	4 total; 0 since its plan	Includes \$56,516.15 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Webster Groves city	City	Approved, expires 2030-08-19	FMA RL 2, SRL 0; any 9	\$334,117.63	24 total; 0 since its plan	Includes \$103,503.46 for declarations not counted as hazard incidents (DR-4490-MO, EM-3267-MO).
Wildwood city	City	Approved, expires 2030-08-19	FMA RL 1, SRL 2; any 3	\$211,127.77	3 total; 0 since its plan	
Winchester city	City	Approved, expires 2030-08-19	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 0 since its plan	
Bel-Nor city	City	Approved, expires 2030-08-19		\$22,478.22		No NFIP community ID on this jurisdiction's plan row. FEMA plan ID only (no Census ID), so event records are not matched to this place by name. Includes \$11,263.34 for declarations not counted as hazard incidents (EM-3267-MO).

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 2025-08-20 <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	\$263,933,589,124	\$26,427,568	1,003,733	\$224	\$22,987	\$40,772,564	under 0.0001%				
Drought	n/a	\$24,498,238	n/a	n/a	\$19,566	n/a	0.0799% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$451,772,845,053	n/a	1,004,125	\$81,019,754	n/a	\$59,493,813	0.0179%				
Hail	\$263,933,773,086	\$26,427,568	1,003,734	\$37,594,797	\$65	\$443,612	0.0142%	\$0			
Heat Wave	\$263,933,589,124	\$26,427,568	1,003,733	\$2,116	\$1	\$253,177,092	under 0.0001%				
Hurricane	\$263,933,589,124	\$26,402,703	1,003,733	\$47,430	\$813	\$137	under 0.0001%				
Ice Storm	\$263,807,686,263	n/a	1,003,115	\$3,712,753	n/a	\$104,091	0.00141%				
Inland Flooding	\$263,669,469,150	\$17,525,095	15,090	\$236,355,451	\$257,552	\$3,708,490	n/a (see note)	\$0			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$9,881,397,616	n/a	32,971	\$150,478	n/a	\$292,080	0.00152%				
Lightning	\$263,933,773,086	n/a	1,003,734	\$474,625	n/a	\$4,999,331	0.00018%				
Strong Wind	\$263,933,773,086	\$26,427,568	1,003,734	\$63,254	\$221	\$2,087,217	under 0.0001%	\$20,000			
Tornado	\$263,933,773,086	\$26,427,568	1,003,734	\$13,152,816	\$1,133	\$13,126,211	0.00498%	\$20,000			

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-08-20 <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	\$18,258,619,289	\$2,900,737	71,284	\$92,268	\$6	\$8,474	0.000505%				
Winter Weather	\$263,933,589,124	\$26,427,568	1,003,733	\$804,289	\$22	\$703,189	0.000305%		\$0		

Totals since 2025-08-20 (Storm Events through 2026-06-30): 22 county-coded records, 22 with a damage value recorded (including \$0), \$40,000; 2 zone-level records, 2 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	1,003,734
Building value (total, not at risk)	\$263,933,773,086
Agriculture value (total, not at risk)	\$26,427,568
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$373,772,622
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)	\$378,916,301
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)	58	Severe repetitive loss, FMA definition (44 CFR 77.2)	313
Repetitive loss, NFIP insurance definition	705	Severe repetitive loss, NFIP insurance definition	157

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	58	313	705	157	868	46	225
of which: Jefferson City city (plan jurisdiction listed on the Cole County page)	0	0	1	0	1	0	0
of which: Pacific city (plan jurisdiction listed on the Franklin County page)	0	0	2	0	2	0	0
of which: Windsor city (plan jurisdiction listed on the Henry County page)	0	0	1	0	1	0	0
of which: St. Louis County (unincorporated area)	13	85	187	36	235	5	40
of which: Ballwin city	0	1	4	1	4	0	2
of which: Bellefontaine Neighbors city (community ID not in plan data)	0	0	2	0	2	0	1
of which: Berkeley city (community ID not in plan data)	0	0	1	0	1	0	0
of which: Breckenridge Hills city (community ID not in plan data)	5	4	22	4	22	0	2
of which: Brentwood city	0	39	50	32	56	2	12
of which: Bridgeton city (community ID not in plan data)	0	0	4	0	4	0	0
of which: Clayton city	0	0	2	0	2	0	2
of which: Cool Valley city (community ID not in plan data)	0	0	1	0	1	0	0
of which: Crestwood city	0	1	5	1	5	0	1
of which: Creve Coeur city	1	1	3	1	3	0	2
of which: Des Peres city	1	2	3	2	3	0	0
of which: Eureka city	2	6	18	5	19	1	8
of which: Fenton city	16	37	47	17	67	13	18
of which: Ferguson city	2	2	33	2	35	0	19
of which: Florissant city	0	1	23	1	23	0	10
of which: Frontenac city	0	1	5	1	5	0	2
of which: Glendale city	0	1	1	1	1	0	0
of which: Hazelwood city	0	9	40	9	40	0	13

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>
of which: Jennings city (community ID not in plan data)	0	0	3	0	3	0	0
of which: Kirkwood city (community ID not in plan data)	0	5	13	5	13	0	2
of which: Ladue city	7	8	27	5	34	4	19
of which: Mackenzie village (community ID not in plan data)	0	1	1	1	1	0	0
of which: Manchester city	0	4	8	4	8	0	3
of which: Moline Acres city (community ID not in plan data)	0	0	4	0	4	0	0
of which: Northwoods city (community ID not in plan data)	1	0	11	0	11	0	3
of which: Oakland city (community ID not in plan data)	0	0	1	0	1	0	0
of which: Olivette city	0	0	3	0	3	0	1
of which: Overland city (community ID not in plan data)	0	0	7	0	7	0	0
of which: Richmond Heights city	0	0	1	0	1	0	1
of which: Rock Hill city	0	5	10	5	10	0	8
of which: St. Ann city (community ID not in plan data)	0	0	6	0	6	0	1
of which: St. John city (community ID not in plan data)	0	0	2	0	2	0	0
of which: Sunset Hills city (community ID not in plan data)	0	8	20	5	23	2	8
of which: Town and Country city	0	1	1	1	1	0	0
of which: University City city	5	21	62	7	77	11	25
of which: Valley Park city (community ID not in plan data)	1	64	31	7	88	5	10
of which: Webster Groves city	2	0	7	0	9	2	4
of which: Wellston city (community ID not in plan data)	0	1	5	1	5	0	1
of which: Velda Village Hills village (community ID not in plan data)	0	0	1	0	1	0	0
of which: Maryland Heights city	1	2	6	1	7	1	3
of which: Chesterfield city	0	1	5	0	6	0	2
of which: Wildwood city	1	2	3	2	3	0	1
of which: Maplewood city	0	0	9	0	9	0	1
of which: Unknown (community ID Unknown in FEMA data)	0	0	3	0	3	0	0
Statewide, no county in FEMA's file	0	0	3	0	3	0	0

4 of the county's repeat-flood properties belong to NFIP communities whose plan jurisdiction is not listed on this page (the community rows above name the page that lists it).

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. Louis County	290327	13	85	187	36	235	5	40
Ballwin city	290328	0	1	4	1	4	0	2
Black Jack city	290336	0	0	0	0	0	0	0
Brentwood city	290338	0	39	50	32	56	2	12
Chesterfield city	290896	0	1	5	0	6	0	2
Clayton city	290341	0	0	2	0	2	0	2
Country Club Hills city	290746	0	0	0	0	0	0	0
Crestwood city	290343	0	1	5	1	5	0	1
Creve Coeur city	290344	1	1	3	1	3	0	2
Dellwood city	290346	0	0	0	0	0	0	0
Des Peres city	290347	1	2	3	2	3	0	0
Ellisville city	290348	0	0	0	0	0	0	0
Eureka city	290349	2	6	18	5	19	1	8
Fenton city	290350	16	37	47	17	67	13	18
Ferguson city	290351	2	2	33	2	35	0	19
Florissant city	290352	0	1	23	1	23	0	10
Frontenac city	290353	0	1	5	1	5	0	2
Glendale city	290354	0	1	1	1	1	0	0
Hanley Hills village	290356	0	0	0	0	0	0	0
Hazelwood city	290357	0	9	40	9	40	0	13
Ladue city	290363	7	8	27	5	34	4	19
Manchester city	290366	0	4	8	4	8	0	3
Maplewood city	295266	0	0	9	0	9	0	1
Maryland Heights city	290889	1	2	6	1	7	1	3
Olivette city	290374	0	0	3	0	3	0	1
Pasadena Hills city	290674	0	0	0	0	0	0	0
Pasadena Park village	290675	0	0	0	0	0	0	0
Richmond Heights city	290380	0	0	1	0	1	0	1
Rock Hill city	290382	0	5	10	5	10	0	8
Town and Country city	290389	0	1	1	1	1	0	0
University City city	290390	5	21	62	7	77	11	25
Vinita Park city	290392	0	0	0	0	0	0	0
Webster Groves city	290394	2	0	7	0	9	2	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>
Wildwood city	290922	1	2	3	2	3	0	1
Winchester city	290397	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	43	186	424	60	557	40	109
2 to 4 unit residential	3	5	35	4	36	0	18
other residential	0	15	41	14	42	0	14
non-residential	12	107	205	79	233	6	84
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 22 properties are FMA repetitive loss but not NFIP repetitive loss, and 669 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_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_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/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).

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