

Newton County, MO

Risk-assessment baseline packet

County FIPS: 29145 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: Expired on 2026-05-10. Plan: Jasper/Newton County HMP (2021) (FEMA plan 107480), approved 2021-05-10.

Since the plan was approved on 2021-05-10: 2 new hazard declarations (2 incidents) and 168 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 (\$18,446,097 a year), Tornado (\$5,879,919) and Heat Wave (\$2,871,429).

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; 29145 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:	Expired on 2026-05-10	Plan:	Jasper/Newton County HMP (2021) (FEMA plan 107480)
Approved:	2021-05-10	Days since expiry:	143
Update underway:	none recorded in FEMA's plan tracker		

Until a new plan is approved, FEMA mitigation project grants (HMGP, FMA) need a FEMA exception (44 CFR 201.6(a)(3)).

What changed since your last plan (approved 2021-05-10)

New federal declarations:	2 new hazard declarations (2 incidents): DR-4876-MO (Severe Storms, Straight-Line Winds, Tornadoes, and Flooding), DR-4929-MO (Severe Storms, Straight-Line Winds, Tornadoes, and Flooding)	Storm Events records since approval:	168 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 10, SRL 7 (44 CFR 77.2); any definition: 30	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: 26 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 negative = days since expiry	Notes
Newton County	County	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Dennis Acres village	Village	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Diamond town	Town	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Fairview town	Town	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Granby city	City	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Grand Falls Plaza town	Town	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Joplin city	City	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	this jurisdiction approved 2021-05-05
Leawood village	Village	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Loma Linda town	Town	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Neosho city	City	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Newtonia town	Town	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Redings Mill village	Village	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Ritchey town	Town	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Saginaw village	Village	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Seneca city	City	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Shoal Creek Drive village	Village	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Stark City town	Town	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Wentworth village	Village	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Carl Junction R-I School District	School/School District	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Diamond R-IV School District	School/School District	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
East Newton County R-VI School District	School/School District	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Joplin School District	School/School District	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Neosho R-V School District	School/School District	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Seneca R-VII School District	School/School District	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Notes
Westview C-6 School District	School/School District	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	
Neosho Christian School	School/School District	Expired on 2026-05-10	Jasper/Newton County HMP (2021) (FEMA plan 107480)	2021-05-10	2026-05-10	-143	

Plan 107480 lists 30 other participants, 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	Inland Flooding	Relatively Moderate	Relatively Moderate	\$15,601,499	\$1,454,736	\$1,389,862	\$18,446,097	244	
2	Tornado	Relatively Moderate	Relatively Moderate	\$1,511,232	\$10,066	\$4,358,622	\$5,879,919	31	
3	Heat Wave	Relatively Moderate	Relatively Moderate	\$2,732	\$15	\$2,868,682	\$2,871,429	9	
4	Ice Storm	Very High	Very High	\$1,777,255	n/a	\$24,379	\$1,801,634	6	
5	Cold Wave	Relatively Moderate	Relatively Moderate	\$337	\$831,737	\$892,266	\$1,724,339	9	Includes 3 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
6	Strong Wind	Relatively High	Relatively Moderate	\$681,415	\$880	\$808,212	\$1,490,507	227	Includes 3 High Wind records (a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition).
7	Hail	Relatively Moderate	Relatively Moderate	\$933,068	\$9,591	\$11,267	\$953,927	291	

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
8	Drought	Relatively Moderate	Relatively Moderate	n/a	\$781,122	n/a	\$781,122	37	
9	Earthquake	Relatively Low	Relatively Low	\$579,436	n/a	\$158,517	\$737,953		Storm Events does not record earthquakes.
10	Lightning	Relatively Moderate	Relatively Low	\$25,604	n/a	\$288,335	\$313,939	2	
11	Wildfire	Relatively Low	Relatively Low	\$242,154	\$1,520	\$52,993	\$296,667	1	
12	Winter Weather	Relatively Moderate	Relatively Moderate	\$141,488	\$303	\$14,616	\$156,407	46	
13	Hurricane	Very Low	Very Low	\$13,013	\$13,651	\$104	\$26,767	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Landslide	Very Low	Very Low	\$1,221	n/a	\$97	\$1,318	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

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

Local data needed: state and local landslide records (Storm Events records this hazard 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 208 (Relatively Moderate, 80.8); tract 201 (Relatively Low, 71.1); tract 206.01 (Relatively Low, 71.0)
Hurricane	tract 208 (Very Low, 48.0); tract 204.01 (Very Low, 46.7); tract 210 (Very Low, 46.6)
Landslide	tract 206.01 (Relatively Low, 87.9); tract 207 (Relatively Low, 87.6); tract 208 (Relatively Low, 84.7)
Tornado	tract 208 (Very High, 99.6); tract 206.01 (Very High, 97.1); tract 206.02 (Very High, 96.6)
Wildfire	tract 208 (Relatively Moderate, 94.9); tract 206.01 (Relatively Moderate, 93.0); tract 206.02 (Relatively Moderate, 90.7)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 208 is Census Tract 208). 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	6 records, 2000 to 2025 (6 zone-level)	1 day to 23 days (median 3 days); 5 with a recorded value	2000-12-12 to 2001-01-03 (2 records, 1 of them a monthly summary record), zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	3 records, 2007 to 2021 (3 zone-level)		Frost/Freeze, 2007-04-07, \$6,540,000 crop damage (2007 dollars); NWS zone MOZ093		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	37 records, 1999 to 2026 (37 zone-level)	9 days to 184 days (median 68.5 days); 12 with a recorded value	184 days (6 months), 2022-07-01 to 2022-12-31, a run of 6 consecutive Storm Events drought records, zone-level	Drought, 2011-08-01, property not reported; \$15,000,000 crops (zone total, 2011 dollars)	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.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	345 records, 1957 to 2026	0.75 in to 4.5 in (median 1 in); 344 with a recorded value	4.5 in hail, 1996-04-21	Hail, 2017-03-09, \$100,000 property; \$0 crops (2017 dollars)	Event records naming jurisdictions in the plan: Neosho city (87 records), Diamond town (29 records), Seneca city (29 records), Redings Mill village (27 records), Granby city (21 records), Saginaw village (11 records), Wentworth village (8 records), Fairview town (5 records), Stark City town (4 records), Joplin city (2 records); and 2 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	9 records, 1999 to 2012 (9 zone-level)	9 days to 92 days (median 25.5 days); 4 with a recorded value	June 2012 to August 2012 (3 monthly summary records), 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)	6 records, 1996 to 2008 (6 zone-level)		Ice Storm, 2007-01-12, \$40,000,000 property; \$0 crops (2007 dollars); NWS zone MOZ093		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	244 records, 1996 to 2026 (7 zone-level)		Flood, 2015-12-27, \$2,000,000 property; \$0 crops (2015 dollars)		Event records naming jurisdictions in the plan: Neosho city (90 records), Seneca city (24 records), Newtonia town (12 records), Stark City town (9 records), Redings Mill village (8 records), Granby city (7 records), Saginaw village (6 records), Diamond town (5 records), Ritchey town (5 records), Fairview town (2 records); and 1 more jurisdiction (see the Excel file). Zone-level records (7) 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 2011		Lightning, 2011-08-10, \$50,000 property; \$0 crops (2011 dollars)		Event records naming jurisdictions in the plan: Neosho city (2 records).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	3 records, 2003 to 2015 (3 zone-level)	52 kt (60 mph) to 65 kt (75 mph) (median 60 kt (69 mph)); 3 with a recorded value	65 kt (75 mph) estimated gust, High Wind, 2005-11-27; NWS zone MOZ093	High Wind, 2005-11-27, \$50,000 property; crops not reported (zone total, 2005 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)	271 records, 1957 to 2026	50 kt (58 mph) to 75 kt (86 mph) (median 52 kt (60 mph)); 205 with a recorded value	75 kt (86 mph), measurement type not recorded, Thunderstorm Wind, 1998-06-18	Thunderstorm Wind, 2009-05-08, \$3,000,000 property; \$0 crops (2009 dollars)	Event records naming jurisdictions in the plan: Neosho city (72 records), Seneca city (28 records), Diamond town (15 records), Granby city (15 records), Saginaw village (15 records), Redings Mill village (13 records), Fairview town (6 records), Stark City town (6 records), Ritchey town (4 records), Wentworth village (4 records); and 1 more jurisdiction (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	54 records, 1954 to 2025	F/EF0 to F/EF4 (median F/EF1); 54 with a recorded value	EF4 tornado, 2008-05-10, 30.89 mi within this county, 1,760 yd wide, \$35,000,000 property; \$0 crops (2008 dollars), 14 direct deaths, 200 direct injuries		Event records naming jurisdictions in the plan: Neosho city (5 records), Seneca city (5 records), Diamond town (4 records), Redings Mill village (3 records), Ritchey town (3 records), Saginaw village (3 records), Wentworth village (3 records), Fairview town (2 records), Granby city (2 records), Stark City town (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)	1 record, 2006 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	46 records, 1997 to 2026 (46 zone-level)		Winter Storm, 2006-11-30, \$150,000 property; \$0 crops (2006 dollars); NWS zone MOZ093		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.

A monthly summary record covers most or all of a month; it does not count days at wave conditions.

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 29 declarations covering 23 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
2026-08-03	2026-06-04	DR-4929-MO	Major disaster	Severe Storms, Straight-Line Winds, Tornadoes, and Flooding	Inland Flooding; Strong Wind; Tornado	not yet in FEMA's PA summaries (they cover declarations through 2026-06-30)	new since last plan; within last 5 years	
2025-06-09	2025-04-29	DR-4876-MO	Major disaster	Severe Storms, Straight-Line Winds, Tornadoes, and Flooding	Inland Flooding; Strong Wind; Tornado	\$1,587,239.50	new since last plan; within last 5 years	
2020-03-26	2020-01-20	DR-4490-MO	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$2,221,121.38		
2020-03-13	2020-01-20	EM-3482-MO	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4490
2019-07-09	2019-04-29	DR-4451-MO	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$802,333.48		
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	\$860,869.50		
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	\$658,208.33		
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 as DR-4250
2011-05-09	2011-04-19	DR-1980-MO	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$485,231.09		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2011-03-23	2011-01-31	DR-1961-MO	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$453,946.79		
2011-02-03	2011-01-31	EM-3317-MO	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded		same incident as DR-1961
2009-06-19	2009-05-08	DR-1847-MO	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$101,238.02		
2009-01-30	2009-01-26	EM-3303-MO	Emergency	Severe Winter Storm	Ice Storm	no Public Assistance recorded		
2008-05-23	2008-05-10	DR-1760-MO	Major disaster	Severe Storms and Tornadoes	Tornado	PA not declared for this county		
2008-03-19	2008-03-17	DR-1749-MO	Major disaster	Severe Storms and Flooding	Inland Flooding	\$187,122.70		
2008-02-05	2008-01-07	DR-1742-MO	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$87,264		
2007-12-27	2007-12-06	DR-1736-MO	Major disaster	Severe Winter Storms	Ice Storm	\$531,966.55		
2007-12-12	2007-12-08	EM-3281-MO	Emergency	Severe Winter Storms	Ice Storm	no Public Assistance recorded		same incident as DR-1736
2007-01-15	2007-01-12	DR-1676-MO	Major disaster	Severe Winter Storms and Flooding	Ice Storm	\$9,072,037.36		
2006-03-16	2006-03-08	DR-1631-MO	Major disaster	Severe Storms, Tornadoes and Flooding	Inland Flooding; Tornado	PA not declared for this county		
2005-09-10	2005-08-29	EM-3232-MO	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2003-05-06	2003-05-04	DR-1463-MO	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$20,256.43		FEMA's declaration record does not list Public Assistance, but FEMA's PA project summaries show obligations for this county
2002-05-06	2002-04-24	DR-1412-MO	Major disaster	Severe Storms, Tornadoes and Flooding	Inland Flooding; Tornado	\$18,498.66		FEMA's declaration record does not list Public Assistance, but FEMA's PA project summaries show obligations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
1995-06-02	1995-05-13	DR-1054-MO	Major disaster	Severe Storms, Tornadoes, Hail, Flooding	Hail; 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		
1976-07-21	1976-07-21	DR-516-MO	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1975-05-03	1975-05-03	DR-466-MO	Major disaster	Tornadoes, High Winds & Hail	Tornado	no Public Assistance recorded		
1974-06-10	1974-06-10	DR-439-MO	Major disaster	Severe Storms & Flooding	Inland Flooding	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: \$1,926.79 (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: 3 rows, \$173,506.49

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4803-MO	2024-07-23	Severe Storms, Straight-Line Winds, Tornadoes, and Flooding	New Mac Electric Cooperative Inc	\$129,265.05
DR-4238-MO	2015-08-07	Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	New Mac Electric Cooperative Inc	\$25,145.22
DR-4144-MO	2013-09-06	Severe Storms, Straight-Line Winds and Flooding	New Mac Electric Cooperative Inc	\$19,096.22

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	9	3	2	3	0	0	1996 to 2026-06-30	Includes 3 Frost/Freeze records.
Drought	37	14	2	14	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	345	25	9	25	1	0	1955 to 2026-06-30	
Heat Wave	9	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	6	0	0	0	3	0	1996 to 2026-06-30	
Inland Flooding	244	46	6	28	17	2	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	2	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	274	61	10	51	4	2	1955 to 2026-06-30	Includes 3 High Wind records.
Tornado	54	3	0	3	15	2	1950 to 2026-06-30	
Wildfire	1	0	0	0	0	0	1996 to 2026-06-30	
Winter Weather	46	16	4	16	1	0	1996 to 2026-06-30	

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
2026-06-14	Flood		\$0 property; \$0 crops (2026 dollars)	1, 0	RITCHEY	new since last plan; within last 5 years	deaths or injuries recorded
2022-07-01	Drought		\$0 property; \$0 crops (zone total, 2022 dollars)	0, 0	NWS zone MOZ093 (NEWTON), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Drought
2015-12-27	Flood		\$2,000,000 property; \$0 crops (2015 dollars)	0, 0	NEOSHO		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2012-06-01	Heat		\$0 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone MOZ093 (NEWTON), zone-level		B1-c worst recorded: Excessive Heat, Heat
2008-05-10	Tornado	EF4, 30.89 mi within this county, 1,760 yd wide	\$35,000,000 property; \$0 crops (2008 dollars)	14, 200	HORNET to FAIRVIEW		deaths or injuries recorded
2007-04-07	Frost/Freeze		\$0 property; \$6,540,000 crops (zone total, 2007 dollars)	0, 0	NWS zone MOZ093 (NEWTON), zone-level		B1-c worst recorded: Frost/Freeze
2007-01-12	Ice Storm		\$40,000,000 property; \$0 crops (zone total, 2007 dollars)	0, 0	NWS zone MOZ093 (NEWTON), zone-level		B1-c worst recorded: Ice Storm
2005-11-27	High Wind	65 kt (75 mph) estimated gust	\$10,000 property; crops not reported (zone total, 2005 dollars)	0, 0	NWS zone MOZ093 (NEWTON), zone-level		B1-c worst recorded: High Wind and Strong Wind
2000-12-12	Extreme Cold/ Wind Chill		\$0 property; \$10,000 crops (zone total, 2000 dollars)	0, 0	NWS zone MOZ093 (NEWTON), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1998-06-18	Thunderstorm Wind	75 kt (86 mph), measurement type not recorded	\$30,000 property; crops not reported (1998 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Thunderstorm Wind
1996-04-21	Hail	4.5 in	\$5,000 property; \$0 crops (1996 dollars)	0, 0	RACINE		B1-c worst recorded: Hail
1975-04-24	Tornado	F4, 6.5 mi path length (whole path, pre-1996), 500 yd wide	\$25,000,000 property; crops not recorded (1975 dollars)	3, 22	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,027 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	2.05	event-days per year	about 2.05 days per year	Likely	Storm Events event- days in 5 of 30 years, 1996 to 2025 (16.7%)	39	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	11.9	event-days per year	about 11.9 days per year	Likely	Storm Events event- days in 11 of 30 years, 1996 to 2025 (36.7%)	392	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00174	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.174%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	7.85	events per year	about 7.85 per year	Highly likely	FEMA annualized frequency (modeled)	298.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	15.5	event-days per year	about 15.5 days per year	Likely	Storm Events event- days in 4 of 30 years, 1996 to 2025 (13.3%)	192	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	1.12	event-days per year	about 1.12 days per year	Likely	Storm Events event- days in 4 of 30 years, 1996 to 2025 (13.3%)	76	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	5.43	event-days per year	about 5.43 days per year	Highly likely	Storm Events event- days in 30 of 30 years, 1996 to 2025 (100%)	152	1996 to 2023 (28 years)	see B1-f	
Landslide	0.233	events per year (modeled)	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	56.2	days per year with a strike	about 56.2 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	6.55	events per year	about 6.55 per year	Highly likely	FEMA annualized frequency (modeled)	250	1986 to 2023 (38 years)	countywide	
Tornado	0.57	events per year	about 0.57 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.00185	annual probability at a location	chance a given location in the county burns in a year: 0.185%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	
Winter Weather	9.95	event-days per year	about 9.95 days per year	Likely	Storm Events event-days in 22 of 30 years, 1996 to 2025 (73.3%)	189	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	163	30	5.43
Hail	2.00 in+	1996 to 2025	7	30	0.233
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	183	30	6.1
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	8	30	0.267
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	26	30	0.867
Tornado	EF0-1	1996 to 2025	26	30	0.867
Tornado	EF2-3	1996 to 2025	4	30	0.133
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	13 of 13	53.2	77.7	89.8	Relatively High 6, Relatively Moderate 7
Drought	11 of 13	76.6	91.5	98.1	Relatively High 1, Relatively Moderate 4, Relatively Low 5, Very Low 1, No Rating 2
Earthquake	13 of 13	40.3	62.7	80.8	Relatively Moderate 1, Relatively Low 11, Very Low 1
Hail	13 of 13	80.1	87.3	96.8	Relatively High 5, Relatively Moderate 8
Heat Wave	13 of 13	88.1	92.3	96.7	Very High 1, Relatively High 12
Hurricane	13 of 13	31.2	40.8	48.0	Very Low 13
Ice Storm	13 of 13	96.0	98.2	99.8	Very High 9, Relatively High 4
Inland Flooding	13 of 13	65.1	89.4	98.9	Very High 1, Relatively High 11, Relatively Moderate 1
Landslide	13 of 13	49.8	82.4	87.9	Relatively Low 7, Very Low 6
Lightning	13 of 13	65.0	73.4	93.1	Relatively High 5, Relatively Moderate 8
Strong Wind	13 of 13	88.8	92.5	98.8	Very High 1, Relatively High 12

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	13 of 13	89.7	92.4	99.6	Very High 6, Relatively High 7
Wildfire	13 of 13	77.2	87.5	94.9	Relatively Moderate 5, Relatively Low 8
Winter Weather	13 of 13	74.5	85.5	97.1	Very High 1, Relatively High 10, Relatively Moderate 2

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
Newton County	County	Expired on 2026-05-10	FMA RL 2, SRL 3; any 12	\$695,744.73	0 total; 0 since its plan	
Dennis Acres village	Village	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Diamond town	Town	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	\$85,117.03	53 total; 6 since its plan	
Fairview town	Town	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	\$177,280.11	15 total; 3 since its plan	
Granby city	City	Expired on 2026-05-10	FMA RL 1, SRL 0; any 1	\$62,611.93	45 total; 5 since its plan	
Grand Falls Plaza town	Town	Expired on 2026-05-10	FMA RL 1, SRL 1; any 2	no Public Assistance recorded	0 total; 0 since its plan	
Joplin city	City	Expired on 2026-05-10	FMA RL 1, SRL 2; any 7	no Public Assistance recorded	2 total; 0 since its plan	Whole community, including the part in Jasper County; in-county portion (county table): FMA RL 1, FMA SRL 2, NFIP RL 2, NFIP SRL 2, any category 2.
Leawood village	Village	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	\$5,550	0 total; 0 since its plan	
Loma Linda town	Town	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Neosho city	City	Expired on 2026-05-10	FMA RL 4, SRL 1; any 7	\$1,865,182.12	256 total; 26 since its plan	
Newtonia town	Town	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	\$15,512.75	16 total; 2 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>	
Redings Mill village	Village	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	\$4,783.13	51 total; 7 since its plan	
Ritchey town	Town	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	14 total; 6 since its plan	
Saginaw village	Village	Expired on 2026-05-10	FMA RL 1, SRL 0; any 3	no Public Assistance recorded	35 total; 4 since its plan	
Seneca city	City	Expired on 2026-05-10	FMA RL 0, SRL 0; any 3	\$367,865.31	86 total; 15 since its plan	
Shoal Creek Drive village	Village	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Stark City town	Town	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	\$1,008.75	20 total; 2 since its plan	
Wentworth village	Village	Expired on 2026-05-10	FMA RL 0, SRL 0; any 0	\$10,425	17 total; 3 since its plan	

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

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

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

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

Local data needed

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

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2021-05-10 <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	\$13,932,087,587	\$316,716,002	58,493	\$337	\$831,737	\$892,266	under 0.0001%		\$0		
Drought	n/a	\$14,728,029	n/a	n/a	\$781,122	n/a	5.3% (agriculture)		\$3,425,000		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$24,371,259,944	n/a	58,648	\$579,436	n/a	\$158,517	0.00238%				
Hail	\$13,932,087,587	\$316,716,002	58,493	\$933,068	\$9,591	\$11,267	0.0067%	\$10,000			
Heat Wave	\$13,932,087,587	\$316,716,002	58,493	\$2,732	\$15	\$2,868,682	under 0.0001%				
Hurricane	\$13,932,087,587	\$316,716,002	58,493	\$13,013	\$13,651	\$104	under 0.0001%				
Ice Storm	\$13,932,087,587	n/a	58,493	\$1,777,255	n/a	\$24,379	0.0128%				
Inland Flooding	\$13,927,604,211	\$23,200,532	2,281	\$15,601,499	\$1,454,736	\$1,389,862	n/a (see note)	\$273,000		\$1,587,239.50	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	\$254,045,309	n/a	1,391	\$1,221	n/a	\$97	0.000481%				
Lightning	\$13,932,087,587	n/a	58,493	\$25,604	n/a	\$288,335	0.000184%				
Strong Wind	\$13,932,087,587	\$316,716,002	58,493	\$681,415	\$880	\$808,212	0.00489%	\$774,500		\$1,587,239.50	
Tornado	\$13,932,087,587	\$316,716,002	58,493	\$1,511,232	\$10,066	\$4,358,622	0.0108%	\$705,000		\$1,587,239.50	

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 2021-05-10 <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	\$1,368,703,604	\$115,400,606	15,326	\$242,154	\$1,520	\$52,993	0.0177%				
Winter Weather	\$13,932,087,587	\$316,716,002	58,493	\$141,488	\$303	\$14,616	0.00102%		\$0		

Totals since 2021-05-10 (Storm Events through 2026-06-30): 135 county-coded records, 135 with a damage value recorded (including \$0), \$1,762,500; 33 zone-level records, 28 with a damage value recorded (including \$0), \$3,425,000 reported for the zone; Public Assistance: \$1,587,239.50 on 2 counted declarations, 1 of them with Public Assistance.

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	58,493
Building value (total, not at risk)	\$13,932,087,587
Agriculture value (total, not at risk)	\$316,716,002
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$24,614,074
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)	\$10,867,952
Social vulnerability rating	Relatively Moderate
Community resilience rating	Relatively Low
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)	10	Severe repetitive loss, FMA definition (44 CFR 77.2)	7
Repetitive loss, NFIP insurance definition	30	Severe repetitive loss, NFIP insurance definition	7

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	10	7	30	7	30	0	14
of which: Joplin city	1	2	2	2	2	0	1
of which: Granby city	1	0	1	0	1	0	0
of which: Neosho city	4	1	7	1	7	0	2
of which: Seneca city	0	0	3	0	3	0	1
of which: Saginaw village	1	0	3	0	3	0	1
of which: Newton County (unincorporated area)	2	3	12	3	12	0	7
of which: Grand Falls Plaza village	1	1	2	1	2	0	2
Statewide, no county in FEMA's file	0	0	3	0	3	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
Newton County	290820	2	3	12	3	12	0	7	
Dennis Acres village	295409	0	0	0	0	0	0	0	
Diamond town	290725	0	0	0	0	0	0	0	
Fairview town	290592	0	0	0	0	0	0	0	
Granby city	290263	1	0	1	0	1	0	0	
Grand Falls Plaza town	290904	1	1	2	1	2	0	2	

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
Joplin city	290183	1	2	7	2	7	0	2	Whole community, including the part in Jasper County; in-county portion (county table): FMA RL 1, FMA SRL 2, NFIP RL 2, NFIP SRL 2, any category 2.
Leawood village	295410	0	0	0	0	0	0	0	
Loma Linda town	295411	0	0	0	0	0	0	0	
Neosho city	290265	4	1	7	1	7	0	2	
Newtonia town	295412	0	0	0	0	0	0	0	
Redings Mill village	290484	0	0	0	0	0	0	0	
Ritchey town	290485	0	0	0	0	0	0	0	
Saginaw village	290486	1	0	3	0	3	0	1	
Seneca city	290269	0	0	3	0	3	0	1	
Shoal Creek Drive village	290487	0	0	0	0	0	0	0	
Stark City town	295414	0	0	0	0	0	0	0	
Wentworth village	290483	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	10	7	28	7	28	0	14
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	1	0	1	0	0
non-residential	0	0	1	0	1	0	0
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 20 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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2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Newton County, MO: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 29145). Automated baseline. <https://hazardplain.org/mo/29145/> 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