

Payne County, OK

Risk-assessment baseline packet

County FIPS: 40119 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: No approved plan on record. Approvable pending adoption, not yet eligible.

Update: FEMA tracker shows a plan approvable pending adoption.

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Cold Wave (\$15,264,534 a year), Inland Flooding (\$11,518,916) and Tornado (\$11,260,331).

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; 40119 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:	No approved plan on record. Approvable pending adoption, not yet eligible	Plan:	none
Approved:	none	Expires:	none
Update underway:	FEMA tracker shows a plan approvable pending adoption		

Not yet eligible: adopt the approved plan.

Not yet eligible: adopt the approved plan.

What changed since your last plan

Not available. No approved plan on record, so there is no approval date to count from.

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

Plan status for every jurisdiction listed in this county: 16 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
Payne County	County	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cushing city	City	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Drumright city	City	Approved, expires 2028-04-03	Creek County (FEMA plan 106486)	2023-04-04	2028-04-03	551		this jurisdiction approved 2023-10-13
Glencoe town	Town	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Perkins city	City	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Ripley town	Town	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Stillwater city	City	Approved, expires 2030-12-08	Stillwater (FEMA plan 110903)	2025-12-09	2030-12-08	1,530		
Yale city	City	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cushing Public Schools	School/School District	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Glencoe Public Schools	School/School District	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Morrison Public Schools	School/School District	Approved, expires 2029-09-24	Noble County (FEMA plan 108454)	2024-09-25	2029-09-24	1,090		this jurisdiction approved 2024-12-05
Oak Grove Public School	School/School District	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Perkins-Tryon Public Schools	School/School District	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Ripley Public Schools	School/School District	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Yale Public Schools	School/School District	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Name not given in FEMA data (ID 200799)	School/School District	Expired on 2020-06-02	Ripley Public Schools (FEMA plan 100677)	2015-06-02	2020-06-02	-2,311		

FEMA plan data lists 1 school district row with no name (FEMA IDs only) and 7 named school districts. FEMA files some districts under two ID schemes on different plans, so a named district's 'No approved plan on record' can sit beside an unnamed row that has a plan.

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	Cold Wave	Relatively High	Relatively High	\$154	\$89,540	\$15,174,840	\$15,264,534	13	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).
2	Inland Flooding	Relatively Low	Relatively Low	\$10,597,781	\$6,810	\$914,324	\$11,518,916	39	
3	Tornado	Relatively High	Relatively High	\$5,130,970	\$4,456	\$6,124,905	\$11,260,331	21	
4	Hail	Relatively High	Relatively High	\$3,527,804	\$9,579	\$85,372	\$3,622,755	243	
5	Ice Storm	Very High	Very High	\$2,326,774	n/a	\$37,179	\$2,363,953	10	
6	Heat Wave	Relatively Moderate	Relatively Moderate	\$502	\$283	\$2,249,586	\$2,250,371	89	

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
7	Strong Wind	Relatively Moderate	Relatively Moderate	\$295,754	\$514	\$1,022,109	\$1,318,378	244	Includes 14 High Wind and 1 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
8	Wildfire	Relatively Moderate	Relatively Moderate	\$971,057	\$1,799	\$292,307	\$1,265,163	3	
9	Drought	Relatively Moderate	Relatively Moderate	n/a	\$565,121	n/a	\$565,121	83	
10	Earthquake	Very Low	Relatively Low	\$326,386	n/a	\$77,230	\$403,616		Storm Events does not record earthquakes.
11	Winter Weather	Relatively Moderate	Relatively Moderate	\$24,650	\$599	\$209,067	\$234,316	54	
12	Lightning	Relatively Low	Relatively Low	\$40,388	n/a	\$127,643	\$168,031	15	
13	Hurricane	Very Low	Very Low	\$12,155	\$1,862	\$181	\$14,198	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Landslide	Very Low	Very Low	\$329	n/a	\$2,583	\$2,911	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

Sources: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 104 (Relatively Low, 71.1); tract 107 (Relatively Low, 63.6); tract 101.01 (Relatively Low, 57.3)
Hurricane	tract 104 (Very Low, 40.5); tract 110.02 (Very Low, 35.9); tract 113.01 (Very Low, 35.4)
Landslide	tract 110.01 (Relatively Low, 90.5); tract 110.02 (Relatively Low, 89.5); tract 111.01 (Relatively Low, 89.4)
Tornado	tract 104 (Very High, 99.8); tract 101.01 (Very High, 99.4); tract 114 (Very High, 98.9)
Wildfire	tract 111.01 (Relatively High, 97.5); tract 113.01 (Relatively High, 97.3); tract 111.03 (Relatively Moderate, 95.7)

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 104 is Census Tract 104). 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	12 records, 1996 to 2025 (12 zone-level)	1 day to 5 days (median 3 days); 9 with a recorded value	5 consecutive days, 1996-02-01 to 1996-02-05, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2023 (1 zone-level)		No crop damage reported in 1 record.		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	83 records, 2000 to 2026 (83 zone-level)	1 day to 414 days (median 61 days); 17 with a recorded value	414 days (about 13.6 months), 2005-12-01 to 2007-01-18, a run of 14 consecutive Storm Events drought records, zone-level	Drought, 2000-08-01, property not reported; \$8,330,000 crops (zone total, 2000 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.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Hail	hail size (inches)	413 records, 1955 to 2026 (2 zone-level)	0.75 in to 4 in (median 1 in); 413 with a recorded value	4 in hail, 1984-04-26; same size also recorded on 1984-04-26	Hail, 1994-07-14, \$50,000 property; crops not recorded (1994 dollars)	Event records naming jurisdictions in the plan: Stillwater city (101 records), Perkins city (55 records), Cushing city (39 records), Ripley town (15 records), Glencoe town (14 records), Yale city (14 records). Zone-level records (2) apply countywide.	
Excessive Heat, Heat	heat index (in event narratives)	89 records, 1996 to 2026 (89 zone-level)	1 day to 29 days (median 2 days); 33 with a recorded value	29 consecutive days, 2006-07-16 to 2006-08-13, 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)	10 records, 1998 to 2020 (10 zone-level)		Ice Storm, 2015-11-27, \$2,000 property; crops not reported (2015 dollars); NWS zone OKZ020		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	39 records, 1998 to 2026 (4 zone-level)		Flood, 1999-04-23, \$75,000 property; crops not reported (1999 dollars); NWS zone OKZ020		Event records naming jurisdictions in the plan: Stillwater city (19 records), Glencoe town (4 records), Yale city (3 records), Cushing city (2 records), Perkins city (2 records). Zone-level records (4) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	15 records, 1996 to 2010		Lightning, 1997-07-17, \$80,000 property; crops not reported (1997 dollars)		Event records naming jurisdictions in the plan: Cushing city (4 records), Stillwater city (4 records), Yale city (4 records), Perkins city (2 records), Glencoe town (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)	15 records, 1996 to 2025 (15 zone-level)	35 kt (40 mph) to 68 kt (78 mph) (median 51.5 kt (59 mph)); 10 with a recorded value	68 kt (78 mph) measured gust, High Wind, 2004-05-24; NWS zone OKZ020		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	336 records, 1956 to 2026 (1 zone-level)	50 kt (58 mph) to 87 kt (100 mph) (median 56 kt (64 mph)); 253 with a recorded value	87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1981-05-28	Thunderstorm Wind, 2026-06-26, \$800,000 property; crops not reported (2026 dollars)	Event records naming jurisdictions in the plan: Stillwater city (90 records), Cushing city (41 records), Perkins city (39 records), Yale city (9 records), Glencoe town (7 records), Ripley town (5 records). Zone-level records (1) apply countywide.	Speeds under 20 kt (likely entry errors) are left out of the observed range.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Tornado	Enhanced Fujita (Fujita before Feb 2007)	59 records, 1950 to 2024	F/EF0 to F/EF3 (median F/EF1); 58 with a recorded value	F3 tornado, 1990-05-15, 7 mi path length (whole path, pre-1996), 440 yd wide, \$2,500,000 property; crops not recorded (1990 dollars), 1 direct death, 12 direct injuries		Event records naming jurisdictions in the plan: Stillwater city (7 records), Ripley town (5 records), Perkins city (4 records), Cushing city (3 records), Yale city (2 records), Glencoe 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)	3 records, 2012 to 2025 (3 zone-level)		Wildfire, 2025-03-14, \$15,000,000 property; crops not reported (2025 dollars); NWS zone OKZ020		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	54 records, 1996 to 2026 (54 zone-level)		Winter Storm, 2000-12-26, \$100,000 property; crops not reported (2000 dollars); NWS zone OKZ020		Countywide (zone-level records).	

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

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 39 declarations covering 31 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

No approved plan on record, so there is no approval date to count from.

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
2025-05-21	2025-03-14	DR-4866-OK	Major disaster	Wildfires and Straight-Line Winds	Wildfire (primary); also designated: Strong Wind	PA not declared for this county	within last 5 years	
2025-03-15	2025-03-14	FM-5566-OK	Fire management	Underwood Fire	Wildfire	no Public Assistance recorded	within last 5 years	same incident as DR-4866
2025-03-14	2025-03-14	FM-5558-OK	Fire management	Stillwater Fire	Wildfire	no Public Assistance recorded	within last 5 years	same incident as DR-4866
2024-10-30	2024-10-29	FM-5543-OK	Fire management	Euchee Creek Fire	Wildfire	no Public Assistance recorded	within last 5 years	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		Flags	Notes
						federal share obligated, nominal dollars			
2023-07-19	2023-06-14	DR-4721-OK	Major disaster	Severe Storms, Straight-Line Winds, and Tornadoes	Strong Wind; Tornado	\$1,349,901.45		within last 5 years	
2021-02-24	2021-02-08	DR-4587-OK	Major disaster	Severe Winter Storms	Ice Storm	\$3,952.26			
2021-02-17	2021-02-08	EM-3555-OK	Emergency	Severe Winter Storm	Ice Storm	no Public Assistance recorded			same incident as DR-4587
2020-12-21	2020-10-26	DR-4575-OK	Major disaster	Severe Winter Storm	Ice Storm	\$2,177,235.37			
2020-04-05	2020-01-20	DR-4530-OK	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$15,374.57			
2020-03-13	2020-01-20	EM-3462-OK	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded			same incident as DR-4530
2019-06-01	2019-05-07	DR-4438-OK	Major disaster	Severe Storms, Straight-Line Winds, Tornadoes, and Flooding	Inland Flooding; Strong Wind; Tornado	\$1,395,378.77			
2012-08-04	2012-08-04	FM-5003-OK	Fire management	Drumright Fire	Wildfire	no Public Assistance recorded			
2012-08-04	2012-08-04	FM-5002-OK	Fire management	Glencoe Fire	Wildfire	no Public Assistance recorded			
2011-02-02	2011-01-31	EM-3316-OK	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded			
2010-02-25	2009-12-24	DR-1876-OK	Major disaster	Severe Winter Storm	Winter Weather	\$308,040.57			
2010-01-30	2010-01-28	EM-3308-OK	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded			
2009-06-19	2009-04-09	DR-1846-OK	Major disaster	Wildfires	Wildfire	PA not declared for this county			
2009-04-10	2009-04-13	FM-2813-OK	Fire management	Mulhall Fire	Wildfire	no Public Assistance recorded			
2007-12-18	2007-12-08	DR-1735-OK	Major disaster	Severe Winter Storms	Ice Storm	\$2,448,513.44			
2007-12-10	2007-12-08	EM-3280-OK	Emergency	Severe Winter Storms	Ice Storm	no Public Assistance recorded			same incident as DR-1735
2007-07-07	2007-06-10	DR-1712-OK	Major disaster	Severe Storms, Flooding, and Tornadoes	Inland Flooding; Tornado	\$772,625.61			
2007-01-14	2007-01-12	EM-3272-OK	Emergency	Severe Winter Storms and Flooding	Ice Storm	\$145,229.11			
2006-01-19	2006-01-15	FM-2623-OK	Fire management	North Stillwater Fire	Wildfire	no Public Assistance recorded			same incident as DR-1623
2006-01-10	2005-11-27	DR-1623-OK	Major disaster	Extreme Wildfire Threat	Wildfire	\$27,417.27			
2005-09-05	2005-08-29	EM-3219-OK	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded			
2003-02-04	2002-12-03	DR-1452-OK	Major disaster	Severe Ice Storm	Ice Storm	\$408,364.33			
2002-02-01	2002-01-30	DR-1401-OK	Major disaster	Severe Winter Ice Storm	Ice Storm	\$4,062,191.54			
2001-06-29	2001-05-27	DR-1384-OK	Major disaster	Severe Storms, Flooding, and Tornadoes	Inland Flooding; Tornado	\$16,747.50			
2001-01-05	2000-12-25	DR-1355-OK	Major disaster	Severe Winter Ice Storm	Ice Storm	\$264,446.21			
1999-05-04	1999-05-03	DR-1272-OK	Major disaster	Ok, Tornadoes 5/3/99	Tornado	\$944,327.21			
1996-02-27	1996-02-27	EM-3118-OK	Emergency	Extreme Fire Hazard	Wildfire	no Public Assistance recorded			

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1993-05-12	1993-05-08	DR-991-OK	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded		
1990-05-18	1990-04-14	DR-866-OK	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded		
1986-10-14	1986-09-26	DR-778-OK	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1984-05-03	1984-04-26	DR-704-OK	Major disaster	Severe Storms & Tornadoes	Tornado	PA not declared for this county		
1982-06-18	1982-06-18	DR-662-OK	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1975-07-09	1975-07-09	DR-474-OK	Major disaster	Severe Storms, Flooding & Tornadoes	Inland Flooding; Tornado	no Public Assistance recorded		
1974-11-26	1974-11-26	DR-453-OK	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1974-06-10	1974-06-10	DR-441-OK	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		

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

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1995-04-19	1995-04-19	EM-3115-OK	Emergency	Explosion at Federal Courthouse in Oklahoma City	Non-natural, not counted
1960-07-15	1960-07-15	DR-104-OK	Major disaster	Heavy Rains, Hail, Floods & Tornadoes	Hail; Inland Flooding; Tornado
1959-11-09	1959-11-09	DR-95-OK	Major disaster	Heavy Rains & Floods	Inland Flooding
1959-07-08	1959-07-08	DR-92-OK	Major disaster	Flood	Inland Flooding
1957-05-18	1957-05-18	DR-74-OK	Major disaster	Flood	Inland Flooding
1956-04-07	1956-04-07	DR-54-OK	Major disaster	Tornadoes	Tornado
1955-06-01	1955-06-01	DR-35-OK	Major disaster	Flood & Tornado	Inland Flooding (primary); also designated: Tornado

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.

13 Fire Management declarations (1971-04-08 to 2012-07-30) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance filed under this county for declarations that do not list it: 4 rows, \$712,944.19

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-4315-OK	2017-05-26	Severe Storms, Tornadoes, and Flooding	Central Rural Electric Cooperative	\$186,352.69
DR-4256-OK	2016-02-10	Severe Winter Storms and Flooding	Central Rural Electric Cooperative	\$104,544.97
DR-4117-OK	2013-05-20	Severe Storms, Tornadoes, and Flooding	Central Rural Electric Cooperative	\$396,723.70
DR-1678-OK	2007-02-01	Severe Winter Storms	Oklahoma State University	\$25,322.83

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.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	13			10	0		1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	83			25	0		1996 to 2026-06-30	
Earthquake	0			0	0			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	413			45	0		1955 to 2026-06-30	
Heat Wave	89			84	0		1996 to 2026-06-30	
Hurricane	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	10			0	7		1996 to 2026-06-30	
Inland Flooding	39			7	10		1996 to 2026-06-30	
Landslide	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	15			0	0		1996 to 2026-06-30	
Strong Wind	351			57	3		1955 to 2026-06-30	Includes 14 High Wind and 1 Strong Wind records.
Tornado	59			2	9		1950 to 2026-06-30	
Wildfire	3			1	8		1996 to 2026-06-30	
Winter Weather	54			5	3		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
2025-03-14	Wildfire		\$15,000,000 property; crops not reported (zone total, 2025 dollars)	0, 0	NWS zone OKZ020 (PAYNE), zone-level	within last 5 years	B1-c worst recorded: Wildfire
2019-05-21	Flood		\$10,000 property; \$0 crops (2019 dollars)	1, 0	PERKINS		deaths or injuries recorded
2015-11-27	Ice Storm		\$2,000 property; crops not reported (zone total, 2015 dollars)	0, 0	NWS zone OKZ020 (PAYNE), zone-level		B1-c worst recorded: Ice Storm
2006-07-16	Heat		damage not reported	0, 0	NWS zone OKZ020 (PAYNE), zone-level		B1-c worst recorded: Excessive Heat, Heat
2005-12-01	Drought		damage not reported	0, 0	NWS zone OKZ020 (PAYNE), zone-level		B1-c worst recorded: Drought
2004-05-24	High Wind	68 kt (78 mph) measured gust	\$30,000 property; crops not reported (zone total, 2004 dollars)	0, 0	NWS zone OKZ020 (PAYNE), zone-level		B1-c worst recorded: High Wind and Strong Wind
1999-05-03	Tornado	F2, 6 mi within this county, 880 yd wide	\$100,000 property; crops not reported (1999 dollars)	1, 3	STILLWATER		deaths or injuries recorded
1999-04-23	Flood		\$75,000 property; crops not reported (zone total, 1999 dollars)	0, 0	NWS zone OKZ020 (PAYNE), zone-level		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1996-02-01	Cold/Wind Chill		damage not reported	0, 0	NWS zone OKZ020 (PAYNE), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1990-05-15	Tornado	F3, 7 mi path length (whole path, pre-1996), 440 yd wide	\$2,500,000 property; crops not recorded (1990 dollars)	1, 12	location not recorded		deaths or injuries recorded
1984-04-26	Hail	4 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail
1981-05-28	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,129 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).

Tribal and special-area declarations in this state are listed on the state page.

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	2.16	event-days per year	about 2.16 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	41	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	36.4	event-days per year	about 36.4 days per year	Likely	Storm Events event-days in 18 of 30 years, 1996 to 2025 (60%)	1,211	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00104	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.104%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	11.2	events per year	about 11.2 per year	Highly likely	FEMA annualized frequency (modeled)	425.6 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	19.3	event-days per year	about 19.3 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	294	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.00741	events per year	about 1 in 135 years	Unlikely	FEMA annualized frequency (modeled)	4	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	1.07	event-days per year	about 1.07 days per year	Likely	Storm Events event-days in 8 of 30 years, 1996 to 2025 (26.7%)	73	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.929	event-days per year	about 0.929 days per year	Likely	Storm Events event-days in 14 of 30 years, 1996 to 2025 (46.7%)	26	1996 to 2023 (28 years)	see B1-f	
Landslide	0.216	events per year (modeled)	about 1 in 5 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	51.6	days per year with a strike	about 51.6 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	6.85	events per year	about 6.85 per year	Highly likely	FEMA annualized frequency (modeled)	260	1986 to 2023 (38 years)	countywide	

Hazard	FEMA annualized frequency (modeled)	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
	<i>unit per row</i>								
Tornado	0.845	events per year	about 0.85 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.00611	annual probability at a location	chance a given location in the county burns in a year: 0.611%	Likely	Storm Events records in 3 of 30 years, 1996 to 2025 (10%)	not shown	modeled	see B1-f	
Winter Weather	9.42	event-days per year	about 9.42 days per year	Likely	Storm Events event- days in 24 of 30 years, 1996 to 2025 (80%)	179	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	133	30	4.43
Hail	2.00 in+	1996 to 2025	19	30	0.633
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	175	30	5.83
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	20	30	0.667
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	24	30	0.8
Tornado	EF0-1	1996 to 2025	17	30	0.567
Tornado	EF2-3	1996 to 2025	3	30	0.1
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	23 of 23	69.9	97.5	99.5	Very High 17, Relatively High 4, Relatively Moderate 2
Drought	16 of 23	76.1	88.6	96.9	Relatively Moderate 7, Relatively Low 7, Very Low 2, No Rating 7
Earthquake	23 of 23	10.3	30.8	71.1	Relatively Low 9, Very Low 14
Hail	23 of 23	62.9	94.4	99.6	Very High 3, Relatively High 15, Relatively Moderate 4, Relatively Low 1
Heat Wave	23 of 23	23.5	79.2	91.4	Relatively High 8, Relatively Moderate 13, Relatively Low 2
Hurricane	23 of 23	16.1	31.3	40.5	Very Low 23
Ice Storm	23 of 23	67.0	97.4	99.9	Very High 9, Relatively High 13, Relatively Low 1
Inland Flooding	23 of 23	0.8	50.1	71.2	Relatively Moderate 12, Relatively Low 8, Very Low 3
Landslide	23 of 23	10.0	59.7	90.5	Relatively Low 8, Very Low 15
Lightning	23 of 23	6.9	37.0	67.0	Relatively Moderate 4, Relatively Low 17, Very Low 2
Strong Wind	23 of 23	33.6	81.5	95.5	Relatively High 11, Relatively Moderate 10, Relatively Low 2

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	23 of 23	50.4	94.9	99.8	Very High 12, Relatively High 9, Relatively Moderate 1, Relatively Low 1
Wildfire	20 of 23	20.2	90.4	97.5	Relatively High 2, Relatively Moderate 9, Relatively Low 6, Very Low 3, No Rating 3
Winter Weather	23 of 23	40.3	82.1	94.3	Relatively High 15, Relatively Moderate 6, Relatively Low 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
Payne County	County	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 0	\$2,272,209.31	0 total; no approved plan	
Cushing city	City	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 1, SRL 0; any 1	\$1,367,360.38	89 total; no approved plan	Includes \$15,374.57 for declarations not counted as hazard incidents (DR-4530-OK).
Drumright city	City	Approved, expires 2028-04-03	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Glencoe town	Town	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 0	\$20,879.75	27 total; no approved plan	
Perkins city	City	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 0	\$59,462.75	102 total; no approved plan	
Ripley town	Town	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 0	\$53,288.41	25 total; no approved plan	
Stillwater city	City	Approved, expires 2030-12-08	FMA RL 1, SRL 1; any 3	\$1,156,701.78	221 total; 6 since its plan	Includes \$0 for declarations not counted as hazard incidents (DR-4530-OK).
Yale city	City	No approved plan on record. Approvable pending adoption, not yet eligible	FMA RL 0, SRL 0; any 0	\$783,462.76	32 total; no approved plan	

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

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

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

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

Local data needed

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

No approved plan on record, so there is no approval date to count from.

- 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 plan <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	\$15,725,829,615	\$53,313,183	81,605	\$154	\$89,540	\$15,174,840	under 0.0001%				
Drought	n/a	\$4,720,050	n/a	n/a	\$565,121	n/a	12% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$29,266,985,574	n/a	81,646	\$326,386	n/a	\$77,230	0.00112%				
Hail	\$15,725,830,277	\$53,313,183	81,605	\$3,527,804	\$9,579	\$85,372	0.0224%				
Heat Wave	\$15,725,829,615	\$53,313,183	81,605	\$502	\$283	\$2,249,586	under 0.0001%				
Hurricane	\$15,686,855,928	\$51,792,226	81,429	\$12,155	\$1,862	\$181	under 0.0001%				
Ice Storm	\$15,717,897,368	n/a	81,529	\$2,326,774	n/a	\$37,179	0.0148%				
Inland Flooding	\$15,707,984,560	\$9,359,863	1,644	\$10,597,781	\$6,810	\$914,324	n/a (see note)				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	\$96,391,991	n/a	490	\$329	n/a	\$2,583	0.000341%				
Lightning	\$15,725,830,277	n/a	81,605	\$40,388	n/a	\$127,643	0.000257%				
Strong Wind	\$15,725,830,277	\$53,313,183	81,605	\$295,754	\$514	\$1,022,109	0.00188%				
Tornado	\$15,725,830,277	\$53,313,183	81,605	\$5,130,970	\$4,456	\$6,124,905	0.0326%				

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 plan <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	\$1,774,455,327	\$37,519,575	19,793	\$971,057	\$1,799	\$292,307	0.0547%				
Winter Weather	\$15,725,829,615	\$53,313,183	81,605	\$24,650	\$599	\$209,067	0.000157%				

Totals since the plan: not available. No approved plan on record, so there is no approval date to count from.

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	81,605
Building value (total, not at risk)	\$15,725,830,277
Agriculture value (total, not at risk)	\$53,313,183
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$23,935,267
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)	\$26,317,327
Social vulnerability rating	Relatively Moderate
Community resilience rating	Relatively Moderate
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	2	Severe repetitive loss, FMA definition (44 CFR 77.2)	1
Repetitive loss, NFIP insurance definition	2	Severe repetitive loss, NFIP insurance definition	1

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

Repeat-flood properties: county total and NFIP communities

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	2	1	2	1	4	0	0
of which: Cushing city	1	0	0	0	1	0	0
of which: Stillwater city	1	1	2	1	3	0	0

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>
Payne County	400493	0	0	0	0	0	0	0
Cushing city	400165	1	0	0	0	1	0	0
Drumright city	400052	0	0	0	0	0	0	0
Glencoe town	400142	0	0	0	0	0	0	0
Perkins city	400431	0	0	0	0	0	0	0
Ripley town	400324	0	0	0	0	0	0	0
Stillwater city	405380	1	1	2	1	3	0	0
Yale city	400455	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	2	1	2	1	4	0	0
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	0	0	0	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 2 properties are FMA repetitive loss but not NFIP repetitive loss, and 2 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

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

What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

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