

Apache County, AZ

Risk-assessment baseline packet

County FIPS: 04001 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2029-08-14. Plan: Apache County (FEMA plan 108220), approved 2024-08-15.

Since the plan was approved on 2024-08-15: 1 new hazard declaration (1 incident) and 22 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 (\$10,807,973 a year), Wildfire (\$6,048,230) and Lightning (\$2,325,693).

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; 04001 is this area.

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

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

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

CFR: Code of Federal Regulations.

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

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

CONTENTS

1. Summary and terms used, page 1
2. Plan clock, page 2
3. What changed since your last plan (approved 2024-08-15), page 2
4. B1-a: hazard identification, page 3
5. B1-b: hazard location, page 4
6. B1-c: hazard extent, page 5
7. B1-d: previous occurrences, page 7
8. B1-e: probability of future events, page 10
9. B1-f: hazards that vary across jurisdictions, page 13
10. B2-a and B2-b: vulnerability and potential impacts, page 15
11. B2-a: vulnerability (county context), page 17
12. B2-c: repetitive loss properties, page 17
13. Sources, what the plan adds, disclaimer and citation, page 18

Plan clock

Status:Approved, expires 2029-08-14

Approved:2024-08-15

Plan:Apache County (FEMA plan 108220)

Days to expiry:1,049

What changed since your last plan (approved 2024-08-15)

New federal declarations:

1 new hazard declaration (1 incident): FM-5584-AZ (Greer Fire)

Repetitive loss now:

FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 0

Storm Events records since approval:

22 records (data through 2026-06-30)

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

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Update underway	Notes
Apache County	County	Approved, expires 2029-08-14	Apache County (FEMA plan 108220)	2024-08-15	2029-08-14	1,049		this jurisdiction approved 2024-08-27
Eagar town	Town	Approved, expires 2029-08-14	Apache County (FEMA plan 108220)	2024-08-15	2029-08-14	1,049		
Springerville town	Town	Approved, expires 2029-08-14	Apache County (FEMA plan 108220)	2024-08-15	2029-08-14	1,049		this jurisdiction approved 2024-09-05
St. Johns city	City	Plan 108220 approved 2024-08-15, pending adoption here; not yet eligible	Apache County (FEMA plan 108220), pending adoption here	2024-08-15 by FEMA; not yet adopted here	2029-08-14 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

State plan status and tribal plans in this state: see the state page.

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 Low	\$10,781,699	\$111	\$26,164	\$10,807,973	107	
2	Wildfire	Relatively High	Relatively Moderate	\$5,807,453	\$23	\$240,754	\$6,048,230	16	
3	Lightning	Very High	Relatively High	\$2,904	n/a	\$2,322,789	\$2,325,693	5	
4	Cold Wave	Relatively Low	Relatively Low	\$1,987	\$344	\$828,962	\$831,293	6	
5	Earthquake	Relatively Low	Relatively Low	\$308,945	n/a	\$62,419	\$371,363		Storm Events does not record earthquakes.
6	Winter Weather	Relatively High	Relatively Moderate	\$1,059	under \$1	\$222,936	\$223,995	134	
7	Heat Wave	Relatively Low	Very Low	\$26	\$453	\$167,722	\$168,200	7	
8	Drought	Relatively Low	Relatively Low	n/a	\$78,692	n/a	\$78,692	0	Declared 1 time; no Storm Events record of this type.
9	Ice Storm	Relatively Low	Relatively Low	\$75	n/a	\$53,018	\$53,093	1	
10	Landslide	Relatively Moderate	Relatively Low	\$15,768	n/a	\$35,871	\$51,639	1	
11	Strong Wind	Very Low	Very Low	\$4,250	\$2	\$28,077	\$32,329	172	Includes 155 High Wind and 1 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
12	Hail	Very Low	Very Low	\$9,801	\$197	\$3,183	\$13,182	20	
13	Tornado	Very Low	Very Low	\$3,307	\$148	\$2,014	\$5,469	14	

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
14	Hurricane	Very Low	Very Low	\$1,232	\$114	under \$1	\$1,346	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Avalanche	Very Low	Very Low	\$3	n/a	\$308	\$310	1	
16	Volcanic Activity	Very Low	Very Low	under \$1	n/a	\$11	\$11	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 volcanic activity 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: coastal flooding and tsunami. 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>
Avalanche	tract 9427 (Very Low, 37.7); tract 9450.02 (Very Low, 37.7); tract 9443.02 (Very Low, 37.6)
Earthquake	tract 9450.01 (Relatively Low, 62.6); tract 9440 (Relatively Low, 61.1); tract 9441 (Relatively Low, 60.6)
Hurricane	tract 9705.02 (Very Low, 25.7); tract 9427 (Very Low, 25.0); tract 9440 (Very Low, 22.4)
Landslide	tract 9705.02 (Relatively High, 99.5); tract 9427 (Relatively Moderate, 97.0); tract 9449.02 (Relatively Moderate, 96.3)
Tornado	tract 9427 (Very Low, 5.4); tract 9441 (Very Low, 3.8); tract 9449.02 (Very Low, 2.6)
Volcanic Activity	tract 9441 (Very Low, 76.1); tract 9705.02 (Very Low, 73.6); tract 9442.01 (Very Low, 73.1)
Wildfire	tract 9705.02 (Very High, 100.0); tract 9705.01 (Relatively High, 98.3); tract 9702.01 (Relatively High, 97.5)

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 9427 is Census Tract 9427). 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
Avalanche	none (count and damage only)	1 record, 2022 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	6 records, 2011 to 2023 (6 zone-level)	1 day to 3 days (median 2 days); 6 with a recorded value	3 consecutive days, 2011-02-01 to 2011-02-03, zone-level	Extreme Cold/Wind Chill, 2011-01-01, \$50,000 property; \$0 crops (zone total, 2011 dollars)	Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	0					Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	21 records, 1990 to 2024	0.75 in to 1.75 in (median 1 in); 21 with a recorded value	1.75 in hail, 2018-09-01; same size also recorded on 1998-07-31, 2002-04-07, 2002-07-27, 2002-09-10, 2010-10-06	Hail, 2019-08-28, \$5,000 property; \$0 crops (2019 dollars)	Event records naming jurisdictions in the plan: Eagar town (1 record), St. Johns city (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	7 records, 2013 to 2017 (7 zone-level)	2 days to 7 days (median 3 days); 3 with a recorded value	7 consecutive days, 2017-06-17 to 2017-06-23, 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)	1 record, 2006 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	107 records, 1996 to 2025		Flash Flood, 2013-09-14, \$100,000 property; \$0 crops (2013 dollars)		Event records naming jurisdictions in the plan: St. Johns city (8 records), Springerville town (1 record).	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)	1 record, 2010 (1 zone-level)		No damage reported in 1 record.		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
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5 records, 2006 to 2013		Lightning, 2013-09-20, \$0 property; \$0 crops (2013 dollars), 1 direct death	Lightning, 2013-09-13, \$7,500 property; \$0 crops (2013 dollars)	No event record names a jurisdiction in the plan.	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	156 records, 1996 to 2026 (156 zone-level)	37 kt (43 mph) to 90 kt (104 mph) (median 55 kt (63 mph)); 155 with a recorded value	90 kt (104 mph), measurement type not recorded, High Wind, 1999-03-31; NWS zone AZZ014	High Wind, 2009-04-15, \$50,000 property; \$0 crops (zone total, 2009 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	22 records, 1978 to 2025	50 kt (58 mph) to 93 kt (107 mph) (median 56 kt (64 mph)); 20 with a recorded value	93 kt (107 mph) measured gust, Thunderstorm Wind, 2010-08-23	Thunderstorm Wind, 2012-07-30, \$4,000 property; \$0 crops (2012 dollars)	Event records naming jurisdictions in the plan: St. Johns city (5 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	18 records, 1957 to 2026	F/EF0; 14 with a recorded value	EF0 tornado, 2022-09-13, 7.71 mi within this county, 10 yd wide, \$0 property; \$0 crops (2022 dollars); same rating, casualties and property damage also recorded on 2008-09-03, 2009-05-22, 2010-08-03, 2010-10-21, 2015-10-20, 2021-06-17		Event records naming jurisdictions in the plan: Springerville town (1 record), St. Johns city (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).
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					
Wildfire	acres burned (local data)	16 records, 1996 to 2021 (14 zone-level)		Wildfire, 2011-06-01, \$58,000,000 property; \$0 crops (2011 dollars); NWS zone AZZ017		Event records naming jurisdictions in the plan: Springerville town (1 record). Zone-level records (14) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	134 records, 1996 to 2026 (134 zone-level)		No damage reported in 134 records.		Countywide (zone-level records).	

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

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: 16 declarations covering 11 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2025-05-14	2025-05-14	FM-5584-AZ	Fire management	Greer Fire	Wildfire	no Public Assistance recorded	new since last plan; within last 5 years	
2021-09-13	2021-07-22	DR-4620-AZ	Major disaster	Severe Storms and Flooding	Inland Flooding	\$4,475,709.97		
2020-04-04	2020-01-20	DR-4524-AZ	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$83,694.12		
2020-03-13	2020-01-20	EM-3442-AZ	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4524
2011-06-02	2011-06-01	FM-2915-AZ	Fire management	Wallow Fire	Wildfire	no Public Assistance recorded		
2010-03-18	2010-01-18	DR-1888-AZ	Major disaster	Severe Winter Storms and Flooding	Inland Flooding; Winter Weather	\$226,291.53		
2010-01-24	2010-01-20	EM-3307-AZ	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded		same incident as DR-1888
2005-09-12	2005-08-29	EM-3241-AZ	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2005-02-17	2004-12-28	DR-1581-AZ	Major disaster	Severe Storms and Flooding	Inland Flooding: designated for Hazard Mitigation only (no Public or Individual Assistance for this county); not counted	PA not declared for this county		
2004-06-09	2004-06-08	FM-2520-AZ	Fire management	Three Forks Fire	Wildfire	no Public Assistance recorded		
2002-06-25	2002-06-18	DR-1422-AZ	Major disaster	Wildfires	Wildfire	no Public Assistance recorded		
1993-01-19	1993-01-05	DR-977-AZ	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding (primary); also designated: Tornado	no Public Assistance recorded		
1983-10-05	1983-09-23	DR-691-AZ	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1978-03-04	1978-03-04	DR-551-AZ	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1977-04-15	1977-04-15	EM-3038-AZ	Emergency	Drought	Drought	no Public Assistance recorded		
1970-09-22	1970-09-22	DR-294-AZ	Major disaster	Heavy Rains & Flash	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
2000-10-27	2000-10-21	DR-1347-AZ	Major disaster	Severe Storms and Flooding	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.

15 Fire Management declarations (1990-06-27 to 1996-06-24) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

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
Avalanche	1	0	0	1	0	0	1996 to 2026-06-30	
Cold Wave	6	0	0	3	0	0	1996 to 2026-06-30	
Drought	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	21	0	1	2	0	0	1955 to 2026-06-30	
Heat Wave	7	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	1	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	107	1	5	19	6	0	1996 to 2026-06-30	
Landslide	1	0	0	0	0	0	1996 to 2026-06-30	
Lightning	5	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	178	13	10	43	0	0	1955 to 2026-06-30	Includes 155 High Wind and 1 Strong Wind records.
Tornado	18	2	0	3	1	0	1950 to 2026-06-30	
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events

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
Wildfire	16	0	0	0	4	1	1996 to 2026-06-30	
Winter Weather	134	6	10	31	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
2022-09-13	Tornado	EF0, 7.71 mi within this county, 10 yd wide	\$0 property; \$0 crops (2022 dollars)	0, 0	DINNEHOTSO	within last 5 years	B1-c worst recorded: Tornado
2018-09-01	Hail	1.75 in	\$0 property; \$0 crops (2018 dollars)	0, 0	ST MICHAELS to FT DEFIANCE		B1-c worst recorded: Hail
2017-06-17	Excessive Heat		\$0 property; \$0 crops (zone total, 2017 dollars)	0, 0	NWS zone AZZ010 (CHINLE VALLEY), zone-level		B1-c worst recorded: Excessive Heat, Heat
2013-09-20	Lightning		\$0 property; \$0 crops (2013 dollars)	1, 0	NAZLINI ARPT		deaths or injuries recorded
2013-09-14	Flash Flood		\$100,000 property; \$0 crops (2013 dollars)	0, 0	DINNEHOTSO to TOFACON		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2013-09-13	Lightning		\$7,500 property; \$0 crops (2013 dollars)	0, 0	MANY FARMS		B1-c most damaging: Lightning
2011-06-01	Wildfire		\$58,000,000 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone AZZ017 (WHITE MOUNTAINS), zone-level		B1-c worst recorded: Wildfire
2011-02-01	Extreme Cold/ Wind Chill		\$30,000 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone AZZ017 (WHITE MOUNTAINS), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2010-08-23	Thunderstorm Wind	93 kt (107 mph) measured gust	\$0 property; \$0 crops (2010 dollars)	0, 0	ADAMANA		B1-c worst recorded: Thunderstorm Wind
2006-08-20	Lightning		damage not reported	1, 1	MC NARY		deaths or injuries recorded
2005-01-03	Heavy Snow		damage not reported	2, 0	NWS zone AZZ017 (WHITE MOUNTAINS), zone-level		deaths or injuries recorded
1999-03-31	High Wind	90 kt (104 mph), measurement type not recorded	\$3,000 property; \$0 crops (zone total, 1999 dollars)	0, 0	NWS zone AZZ014 (LITTLE COLORADO RIVER VALLEY IN APACHE COUNTY), zone-level		B1-c worst recorded: High Wind and Strong Wind

The full list is in the Excel file, sheet "B1-d Storm Events history" (495 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
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Cold Wave	0.0207	event-days per year	about 0.0207 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	0.393	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	106	event-days per year	about 106 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	4,774	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.000985	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0985%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.0626	events per year	about 1 in 16 years	Possible	FEMA annualized frequency (modeled)	2.4 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.653	event-days per year	about 0.653 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	12.4	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0103	events per year	about 1 in 97 years	Possible	FEMA annualized frequency (modeled)	0	1851 to 2024 (Atlantic); 1949 to 2024 (Pacific)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.0149	event-days per year	about 0.0149 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	0	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.75	event-days per year	about 2.75 days per year	Likely	Storm Events event-days in 24 of 30 years, 1996 to 2025 (80%)	77	1996 to 2023 (28 years)	see B1-f	

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
Landslide	2.5	events per year (modeled)	about 2.5 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	53	days per year with a strike	about 53 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.0398	events per year	about 1 in 25 years	Possible	FEMA annualized frequency (modeled)	2	1986 to 2023 (38 years)	countywide	
Tornado	0.27	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Volcanic Activity	0.0003	annual probability	about 1 in 3,333 years	Unlikely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.00596	annual probability at a location	chance a given location in the county burns in a year: 0.596%	Likely	Storm Events records in 9 of 30 years, 1996 to 2025 (30%)	not shown	modeled	see B1-f	
Winter Weather	6.23	event-days per year	about 6.23 days per year	Highly likely	Storm Events event-days in 29 of 30 years, 1996 to 2025 (96.7%)	118	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.

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	15	30	0.5
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	13	30	0.433
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	1	30	0.0333
Tornado	EF0-1	1996 to 2025	12	30	0.4
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	13 of 18	33.9	37.5	37.7	Very Low 13, Not Applicable 5
Cold Wave	15 of 18	15.4	57.1	90.8	Relatively High 4, Relatively Moderate 6, Relatively Low 1, Very Low 4, No Rating 3
Drought	1 of 18	96.6	96.6	96.6	Relatively Moderate 1, No Rating 17
Earthquake	18 of 18	35.0	51.1	62.6	Relatively Low 17, Very Low 1
Hail	18 of 18	12.7	19.7	41.9	Relatively Low 1, Very Low 17
Heat Wave	18 of 18	7.7	22.6	37.2	Relatively Low 13, Very Low 5
Hurricane	18 of 18	17.7	20.0	25.7	Very Low 18
Ice Storm	18 of 18	29.7	51.9	63.5	Relatively Low 16, Very Low 2
Inland Flooding	18 of 18	46.6	69.1	98.5	Very High 1, Relatively High 3, Relatively Moderate 11, Relatively Low 3
Landslide	18 of 18	52.0	92.4	99.5	Relatively High 1, Relatively Moderate 3, Relatively Low 12, Very Low 2
Lightning	18 of 18	96.0	99.8	99.9	Very High 18
Strong Wind	18 of 18	8.9	16.1	29.1	Relatively Low 4, Very Low 14
Tornado	18 of 18	1.3	1.7	5.4	Very Low 18
Volcanic Activity	17 of 18	41.0	61.8	76.1	Very Low 17, No Rating 1
Wildfire	18 of 18	60.4	91.6	100.0	Very High 1, Relatively High 2, Relatively Moderate 8, Relatively Low 5, Very Low 2
Winter Weather	18 of 18	64.6	89.6	98.8	Very High 6, Relatively High 8, Relatively Moderate 4

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 FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition	Public Assistance to this jurisdiction FEMA records matched by applicant name; federal share obligated, nominal dollars	Event records naming this place all years; since its plan	Notes
Apache County	County	Approved, expires 2029-08-14	FMA RL 0, SRL 0; any 0	\$4,414,586.18	0 total; 0 since its plan	Includes \$45,038.21 for declarations not counted as hazard incidents (DR-4524-AZ).
Eagar town	Town	Approved, expires 2029-08-14	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	1 total; 0 since its plan	
Springerville town	Town	Approved, expires 2029-08-14	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 total; 1 since its plan	
St. Johns city	City	Plan 108220 approved 2024-08-15, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	15 total; no approved plan	

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

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

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

Local data needed

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

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-08-15 <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
Avalanche	\$5,266,439	n/a	1	\$3	n/a	\$308	under 0.0001%				
Cold Wave	\$4,362,153,927	\$11,577,370	27,891	\$1,987	\$344	\$828,962	under 0.0001%				
Drought	n/a	\$2,885,117	n/a	n/a	\$78,692	n/a	2.73% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$17,114,760,689	n/a	66,021	\$308,945	n/a	\$62,419	0.00181%				
Hail	\$10,283,686,775	\$23,179,882	65,844	\$9,801	\$197	\$3,183	under 0.0001%				
Heat Wave	\$10,283,686,775	\$23,179,882	65,844	\$26	\$453	\$167,722	under 0.0001%				
Hurricane	\$10,283,686,775	\$23,179,882	65,844	\$1,232	\$114	under \$1	under 0.0001%				
Ice Storm	\$10,283,686,775	n/a	65,844	\$75	n/a	\$53,018	under 0.0001%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-08-15 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Inland Flooding	\$10,281,638,289	\$369,892	327	\$10,781,699	\$111	\$26,164	n/a (see note)	\$0			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$166,146,983	n/a	817	\$15,768	n/a	\$35,871	0.00949%				
Lightning	\$10,283,686,775	n/a	65,844	\$2,904	n/a	\$2,322,789	under 0.0001%				
Strong Wind	\$10,283,686,775	\$23,179,882	65,844	\$4,250	\$2	\$28,077	under 0.0001%	\$0	\$0		
Tornado	\$10,283,686,775	\$23,179,882	65,844	\$3,307	\$148	\$2,014	under 0.0001%	\$0			
Volcanic Activity	\$10,283,686,775	n/a	65,844	under \$1	n/a	\$11	under 0.0001%				
Wildfire	\$3,599,364,233	\$16,778,003	29,511	\$5,807,453	\$23	\$240,754	0.161%			no Public Assistance recorded (1 declaration)	
Winter Weather	\$10,283,686,775	\$23,179,882	65,844	\$1,059	under \$1	\$222,936	under 0.0001%		\$0		

Totals since 2024-08-15 (Storm Events through 2026-06-30): 4 county-coded records, 4 with a damage value recorded (including \$0), \$0; 18 zone-level records, 18 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: none recorded on the 1 counted declaration.

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column does not add up to the total; the unit total counts each declaration once.

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

County context

Source: 5

Measure	Value
Population	65,844
Building value (total, not at risk)	\$10,283,686,775
Agriculture value (total, not at risk)	\$23,179,882
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$17,018,590
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)	\$3,994,229
Social vulnerability rating	Very High
Community resilience rating	Very 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)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	0	Severe repetitive loss, NFIP insurance definition	0

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	0	0	0	0	0	0	0
Statewide, no county in FEMA's file	0	1	0	0	1	1	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>
Apache County	040001	0	0	0	0	0	0	0
Eagar town	040103	0	0	0	0	0	0	0
Springerville town	040011	0	0	0	0	0	0	0
St. Johns city	040010	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: 0 in every occupancy group.

Sources: 1, 4

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 0 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_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip

gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip, https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

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

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

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

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