

Monongalia County, WV

Risk-assessment baseline packet

County FIPS: 54061 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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

Summary

Plan status as of 2026-09-30: Approved, expires 2029-08-12. Plan: RPDC 06 Hazard Mitigation Plan (FEMA plan 109811), approved 2024-08-13.

Since the plan was approved on 2024-08-13: 1 new hazard declaration (1 incident) and 125 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 (\$31,357,089 a year), Tornado (\$1,312,139) and Strong Wind (\$881,711).

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; 54061 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 2024-08-13), 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 11
9. B1-f: hazards that vary across jurisdictions, page 14
10. B2-a and B2-b: vulnerability and potential impacts, page 16
11. B2-a: vulnerability (county context), page 17
12. B2-c: repetitive loss properties, page 18
13. Sources, what the plan adds, disclaimer and citation, page 19

Plan clock

Status:	Approved, expires 2029-08-12	Plan:	RPDC 06 Hazard Mitigation Plan (FEMA plan 109811)
Approved:	2024-08-13	Days to expiry:	1,047

What changed since your last plan (approved 2024-08-13)

New federal declarations:	1 new hazard declaration (1 incident): EM-3639-WV (Severe Winter Storm)	Storm Events records since approval:	125 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 1, SRL 6 (44 CFR 77.2); any definition: 36	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 <i>negative = days since expiry</i>	Notes
Monongalia County	County	Approved, expires 2029-08-12	RPDC 06 Hazard Mitigation Plan (FEMA plan 109811)	2024-08-13	2029-08-12	1,047	this jurisdiction approved 2024-08-14
Blacksville town	Town	Approved, expires 2029-08-12	RPDC 06 Hazard Mitigation Plan (FEMA plan 109811)	2024-08-13	2029-08-12	1,047	this jurisdiction approved 2024-09-10
Granville town	Town	Approved, expires 2029-08-12	RPDC 06 Hazard Mitigation Plan (FEMA plan 109811)	2024-08-13	2029-08-12	1,047	this jurisdiction approved 2024-09-10
Morgantown city	City	Approved, expires 2029-08-12	RPDC 06 Hazard Mitigation Plan (FEMA plan 109811)	2024-08-13	2029-08-12	1,047	this jurisdiction approved 2024-09-03
Star City town	Town	Approved, expires 2029-08-12	RPDC 06 Hazard Mitigation Plan (FEMA plan 109811)	2024-08-13	2029-08-12	1,047	this jurisdiction approved 2024-08-20
Westover city	City	Approved, expires 2029-08-12	RPDC 06 Hazard Mitigation Plan (FEMA plan 109811)	2024-08-13	2029-08-12	1,047	this jurisdiction approved 2024-10-07

Plan 109811 covers 39 other participants, named in the Excel file.

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 Moderate	\$31,241,255	\$2,917	\$112,917	\$31,357,089	108	
2	Tornado	Relatively Low	Relatively Low	\$596,025	\$90	\$716,024	\$1,312,139	5	
3	Strong Wind	Relatively Moderate	Relatively Moderate	\$148,478	\$1,123	\$732,111	\$881,711	271	Includes 15 High Wind and 8 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
4	Lightning	Relatively Moderate	Relatively Moderate	\$61,041	n/a	\$707,002	\$768,043	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
5	Hail	Relatively Low	Relatively Low	\$442,721	\$784	\$88,149	\$531,653	75	
6	Hurricane	Relatively Low	Relatively Low	\$332,941	\$2,715	\$15,644	\$351,300	0	Declared 2 times; no Storm Events record of this type.
7	Cold Wave	Very Low	Relatively Low	\$12,343	\$2,023	\$326,594	\$340,960	10	
8	Heat Wave	Relatively Low	Relatively Low	\$96	under \$1	\$296,250	\$296,346	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
9	Earthquake	Very Low	Very Low	\$186,905	n/a	\$55,500	\$242,405		Storm Events does not record earthquakes.
10	Ice Storm	Relatively Low	Relatively Low	\$76,749	n/a	\$19,156	\$95,905	4	
11	Winter Weather	Relatively Low	Relatively Low	\$41,734	\$1	\$22,852	\$64,586	74	
12	Landslide	Relatively Moderate	Relatively Low	\$13,189	n/a	\$42,120	\$55,309	1	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
13	Wildfire	Very Low	Very Low	\$14,648	\$4	\$3,236	\$17,888	0	Declared 1 time; no Storm Events record of this type.
14	Drought	Very Low	Very Low	n/a	\$6,769	n/a	\$6,769	6	
15	Avalanche	Very Low	Very Low	under \$1	n/a	\$523	\$524	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 lightning and wildfire records (Storm Events records these hazards only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: coastal flooding, tsunami and volcanic activity. That is the evidence for leaving them out of the plan.

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 108 (Very Low, 36.9); tract 117 (Very Low, 33.5); tract 119 (Very Low, 32.6)
Earthquake	tract 101.04 (Relatively Low, 62.7); tract 120 (Very Low, 31.5); tract 114 (Very Low, 31.3)
Hurricane	tract 101.04 (Relatively Low, 63.6); tract 115 (Relatively Low, 56.4); tract 106.01 (Relatively Low, 55.4)
Landslide	tract 114 (Relatively Moderate, 98.8); tract 115 (Relatively Moderate, 97.6); tract 113 (Relatively Moderate, 96.5)
Tornado	tract 101.04 (Relatively Moderate, 57.2); tract 115 (Relatively Low, 53.3); tract 106.01 (Relatively Low, 53.3)
Wildfire	tract 118.04 (Relatively Low, 76.8); tract 117 (Relatively Low, 74.1); tract 114 (Relatively Low, 71.5)

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 108 is Census Tract 108). 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)	0					
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	10 records, 2009 to 2026 (10 zone-level)	1 day to 3 days (median 2 days); 10 with a recorded value	3 consecutive days, 2025-01-20 to 2025-01-22, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	6 records, 1999 to 2024 (6 zone-level)	12 days to 68 days (median 61 days); 3 with a recorded value	68 days (about 2.2 months), 2024-09-24 to 2024-11-30, a run of 3 consecutive Storm Events drought records, zone-level		Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	82 records, 1963 to 2026	0.75 in to 2 in (median 1 in); 82 with a recorded value	2 in hail, 2022-06-08		Event records naming jurisdictions in the plan: Westover city (11 records), Morgantown city (10 records), Star City town (2 records), Blacksville town (1 record), Granville town (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	0					
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	4 records, 2003 to 2009 (4 zone-level)		No damage reported in 4 records.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRI)	108 records, 1996 to 2025 (5 zone-level)		Flash Flood, 2003-07-12, \$525,000 property; crops not reported (2003 dollars)		Event records naming jurisdictions in the plan: Morgantown city (25 records), Westover city (12 records), Blacksville town (7 records), Granville town (7 records), Star City town (6 records). Zone-level records (5) 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.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Debris Flow	none (count and damage only)	1 record, 2025		No damage reported in 1 record.		No event record names a jurisdiction in the plan.	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	0					Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	23 records, 1998 to 2026 (23 zone-level)	30 kt (35 mph) to 75 kt (86 mph) (median 50 kt (58 mph)); 21 with a recorded value	75 kt (86 mph) estimated gust, High Wind, 2011-04-16; Storm Events area MONONGALIA (legacy zone code WVZ022)	High Wind, 2009-02-11, \$50,000 property; \$0 crops (zone total, 2009 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	290 records, 1955 to 2026	45 kt (52 mph) to 80 kt (92 mph) (median 50 kt (58 mph)); 232 with a recorded value	80 kt (92 mph) estimated gust, Thunderstorm Wind, 2011-05-26	Thunderstorm Wind, 2003-07-12, \$525,000 property; crops not reported (2003 dollars)	Event records naming jurisdictions in the plan: Morgantown city (33 records), Westover city (17 records), Granville town (8 records), Blacksville town (5 records), Star City town (5 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	8 records, 1980 to 2018	F/EF0 to F/EF3 (median F/EF1); 8 with a recorded value	F3 tornado, 1980-06-03, 2.3 mi path length (whole path, pre-1996), 150 yd wide, \$2,500,000 property; crops not recorded (1980 dollars)		No event record names a jurisdiction in the plan.	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	74 records, 1996 to 2026 (74 zone-level)		Heavy Snow, 2005-10-25, \$35,000 property; crops not reported (2005 dollars); Storm Events area MONONGALIA (legacy zone code WVZ022)		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 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: 21 declarations covering 17 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2026-01-24	2026-01-23	EM-3639-WV	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded	new since last plan; within last 5 years	
2020-04-03	2020-01-20	DR-4517-WV	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$11,872,724.59		
2020-03-13	2020-01-20	EM-3450-WV	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4517
2018-04-17	2018-02-14	DR-4359-WV	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Landslide (primary); also designated: Inland Flooding	\$30,635.33		
2017-08-18	2017-07-28	DR-4331-WV	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide	no Public Assistance recorded		
2015-03-31	2015-03-03	DR-4210-WV	Major disaster	Severe Winter Storm, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Winter Weather	no Public Assistance recorded		
2012-10-29	2012-10-29	EM-3358-WV	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded		
2012-06-30	2012-06-29	EM-3345-WV	Emergency	Severe Storms	Hazard not mapped (severe storm title names no single hazard); not counted	no Public Assistance recorded		
2012-03-16	2012-02-29	DR-4059-WV	Major disaster	Severe Storms, Tornadoes, Flooding, Mudslides, and Landslides	Inland Flooding; Landslide; Tornado	\$8,326.91		
2010-04-23	2010-02-05	DR-1903-WV	Major disaster	Severe Winter Storms and Snowstorms	Winter Weather	\$7,055.87		
2005-09-05	2005-08-29	EM-3221-WV	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2003-11-21	2003-11-11	DR-1500-WV	Major disaster	Severe Storms, Flooding, and Landslides	Inland Flooding; Landslide	\$13,438.04		
2003-06-21	2003-06-11	DR-1474-WV	Major disaster	Severe Storms, Flooding, and Landslides	Inland Flooding; Landslide	\$87,080.08		
2003-03-14	2003-02-16	DR-1455-WV	Major disaster	Severe Winter Storm, Record/Near Record Snow, Heavy Rains, Flooding and Landslides	Inland Flooding; Landslide; Winter Weather	\$32,281.68		
2000-02-28	2000-02-18	DR-1319-WV	Major disaster	Flooding, Severe Storms, and Landslides	Inland Flooding (primary); also designated: Landslide	\$62,288.31		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		
						<i>federal share obligated, nominal dollars</i>	Flags	Notes
1996-08-14	1996-07-18	DR-1132-WV	Major disaster	Heavy Rains, High Winds, Flooding, and Slides	Wildfire (primary); also designated: Landslide	no Public Assistance recorded		
1996-01-13	1996-01-06	DR-1084-WV	Major disaster	Blizzard of 96 (Severe Snow Storm)	Winter Weather	no Public Assistance recorded		
1993-03-17	1993-03-13	EM-3109-WV	Emergency	Severe Snowfall & Winter Storm	Winter Weather	no Public Assistance recorded		
1985-11-07	1985-11-03	DR-753-WV	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1980-08-15	1980-08-15	DR-628-WV	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1972-07-03	1972-07-03	DR-344-WV	Major disaster	Tropical Storm Agnes	Inland Flooding (primary); also designated: Hurricane	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
1964-03-20	1964-03-20	DR-165-WV	Major disaster	Severe Storms & Flooding	Inland Flooding
1963-03-13	1963-03-13	DR-147-WV	Major disaster	Severe Storms & Flooding	Inland Flooding
1962-03-09	1962-03-09	DR-125-WV	Major disaster	Severe Storm, High Tides & Flooding	Inland Flooding (primary); also designated: Coastal Flooding
1961-07-23	1961-07-23	DR-117-WV	Major disaster	Floods	Inland Flooding
1957-01-31	1957-01-31	DR-67-WV	Major disaster	Flood	Inland Flooding
1954-08-04	1954-08-04	DR-21-WV	Major disaster	Flood	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.

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
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	10	2	0	3	0	0	1996 to 2026-06-30	
Drought	6	4	0	4	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.

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
Hail	82	5	2	16	0	0	1955 to 2026-06-30	
Heat Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Hurricane	0	0	0	0	2	0	1996 to 2026-06-30	No Storm Events records of this type; 2 federal declared incidents (see declarations table)
Ice Storm	4	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	108	25	5	31	11	0	1996 to 2026-06-30	
Landslide	1	1	0	1	9	0	1996 to 2026-06-30	
Lightning	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Strong Wind	313	78	28	143	0	0	1955 to 2026-06-30	Includes 15 High Wind and 8 Strong Wind records.
Tornado	8	0	0	0	1	0	1950 to 2026-06-30	
Wildfire	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Winter Weather	74	10	7	26	6	1	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2026-06-06	Thunderstorm Wind	50 kt (58 mph) estimated gust	\$0 property; \$0 crops (2026 dollars)	0, 5	GRANVILLE	new since last plan; within last 5 years	deaths or injuries recorded
2025-01-20	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2025 dollars)	0, 0	NWS zone WVZ509 (MONONGALIA), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2024-09-24	Drought		\$0 property; crops not reported (zone total, 2024 dollars)	0, 0	NWS zone WVZ509 (MONONGALIA), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Drought
2022-06-08	Hail	2 in	\$5,000 property; crops not reported (2022 dollars)	0, 0	BURNS CHAPEL	within last 5 years	B1-c worst recorded: Hail
2018-09-10	Strong Wind	30 kt (35 mph) estimated gust	\$20,000 property; \$0 crops (zone total, 2018 dollars)	1, 0	NWS zone WVZ509 (MONONGALIA), zone-level		deaths or injuries recorded
2011-05-26	Thunderstorm Wind	80 kt (92 mph) estimated gust	\$10,000 property; \$0 crops (2011 dollars)	0, 0	WESTOVER to BROOKHAVEN		B1-c worst recorded: Thunderstorm Wind
2011-04-16	High Wind	75 kt (86 mph) estimated gust	\$0 property; \$0 crops (zone total, 2011 dollars)	0, 0	Storm Events area MONONGALIA (legacy zone code WVZ022), zone-level		B1-c worst recorded: High Wind and Strong Wind
2009-02-11	High Wind	50 kt (58 mph) estimated gust	\$50,000 property; \$0 crops (zone total, 2009 dollars)	0, 0	Storm Events area MONONGALIA (legacy zone code WVZ022), zone-level		B1-c most damaging: High Wind and Strong Wind
2005-10-25	Heavy Snow		\$35,000 property; crops not reported (zone total, 2005 dollars)	0, 0	Storm Events area MONONGALIA (legacy zone code WVZ022), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2003-07-12	Flash Flood		\$525,000 property; crops not reported (2003 dollars)	0, 0	MORGANTOWN		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1982-06-16	Tornado	F1, 2.5 mi path length (whole path, pre-1996), 17 yd wide	\$250,000 property; crops not recorded (1982 dollars)	1, 0	location not recorded		deaths or injuries recorded
1980-06-03	Tornado	F3, 2.3 mi path length (whole path, pre-1996), 150 yd wide	\$2,500,000 property; crops not recorded (1980 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (606 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

FEMA's declaration data list no tribal or special-area declarations for this state.

Supports FEMA checklist item B1-e: probability of future events

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
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	2.67	event-days per year	about 2.67 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	50.7	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	1.65	event-days per year	about 1.65 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	84	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000474	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0474%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.42	events per year	about 2.42 per year	Highly likely	FEMA annualized frequency (modeled)	92.1 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.99	event-days per year	about 1.99 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	38	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane	0.023	events per year	about 1 in 43 years	Possible	FEMA annualized frequency (modeled)	8	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.23	event-days per year	about 0.23 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	16	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.07	event-days per year	about 2.07 days per year	Likely	Storm Events event-days in 26 of 30 years, 1996 to 2025 (86.7%)	58	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	0.867	events per year (modeled)	about 0.87 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	44.5	days per year with a strike	about 44.5 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.68	events per year	about 1.68 per year	Highly likely	FEMA annualized frequency (modeled)	64	1986 to 2023 (38 years)	countywide	
Tornado	0.0733	events per year	about 1 in 14 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.0000645	annual probability at a location	chance a given location in the county burns in a year: 0.00645%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	9.98	event-days per year	about 9.98 days per year	Likely	Storm Events event-days in 25 of 30 years, 1996 to 2025 (83.3%)	190	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	42	30	1.4
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	192	30	6.4
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	26	30	0.867
Tornado	EF0-1	1996 to 2025	5	30	0.167
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	5 of 28	30.2	32.6	36.9	Very Low 5, Not Applicable 23
Cold Wave	28 of 28	20.3	25.4	30.0	Relatively Low 28
Drought	17 of 28	67.4	70.3	82.3	Relatively Low 2, Very Low 15, No Rating 11
Earthquake	28 of 28	9.1	20.4	62.7	Relatively Low 1, Very Low 27
Hail	28 of 28	42.4	64.4	83.6	Relatively Moderate 9, Relatively Low 19
Heat Wave	28 of 28	5.0	13.3	23.3	Relatively Low 5, Very Low 23
Hurricane	28 of 28	41.6	52.8	63.6	Relatively Low 19, Very Low 9
Ice Storm	28 of 28	10.8	35.2	68.0	Relatively Low 15, Very Low 13
Inland Flooding	28 of 28	14.3	70.7	99.0	Very High 3, Relatively High 3, Relatively Moderate 17, Relatively Low 4, Very Low 1
Landslide	28 of 28	48.6	81.0	98.8	Relatively Moderate 4, Relatively Low 9, Very Low 15
Lightning	28 of 28	46.4	76.7	88.3	Relatively High 9, Relatively Moderate 18, Relatively Low 1
Strong Wind	28 of 28	42.2	65.9	80.0	Relatively Moderate 20, Relatively Low 8
Tornado	28 of 28	28.5	43.2	57.2	Relatively Moderate 1, Relatively Low 26, Very Low 1
Wildfire	28 of 28	21.3	49.0	76.8	Relatively Low 4, Very Low 24
Winter Weather	28 of 28	25.9	45.9	65.6	Relatively Moderate 9, Relatively Low 19

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>
Monongalia County	County	Approved, expires 2029-08-12	FMA RL 0, SRL 1; any 11	no Public Assistance recorded	0 total; 0 since its plan
Blacksville town	Town	Approved, expires 2029-08-12	FMA RL 0, SRL 1; any 1	no Public Assistance recorded	13 total; 0 since its plan
Granville town	Town	Approved, expires 2029-08-12	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	16 total; 8 since its plan
Morgantown city	City	Approved, expires 2029-08-12	FMA RL 1, SRL 4; any 20	\$85,813.30	68 total; 7 since its plan
Star City town	Town	Approved, expires 2029-08-12	FMA RL 0, SRL 0; any 0	\$2,966.95	13 total; 2 since its plan
Westover city	City	Approved, expires 2029-08-12	FMA RL 0, SRL 0; any 2	\$22,521.06	40 total; 5 since its 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 2024-08-13 <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	\$464,201	n/a	under 1	under \$1	n/a	\$523	under 0.0001%				
Cold Wave	\$25,002,321,612	\$6,469,325	105,598	\$12,343	\$2,023	\$326,594	under 0.0001%		\$0		
Drought	n/a	\$1,128,881	n/a	n/a	\$6,769	n/a	0.6% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$44,764,505,814	n/a	105,822	\$186,905	n/a	\$55,500	0.000418%				
Hail	\$25,002,321,612	\$6,469,325	105,598	\$442,721	\$784	\$88,149	0.00177%	\$0			
Heat Wave	\$25,002,321,612	\$6,469,325	105,598	\$96	under \$1	\$296,250	under 0.0001%				
Hurricane	\$25,002,321,612	\$6,469,325	105,598	\$332,941	\$2,715	\$15,644	0.00133%				
Ice Storm	\$25,002,321,612	n/a	105,598	\$76,749	n/a	\$19,156	0.000307%				
Inland Flooding	\$24,982,012,272	\$183,764	2,033	\$31,241,255	\$2,917	\$112,917	n/a (see note)	\$67,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.

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 2024-08-13 <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
Landslide	\$5,021,056,021	n/a	25,432	\$13,189	n/a	\$42,120	0.000263%	\$0			
Lightning	\$25,002,321,612	n/a	105,598	\$61,041	n/a	\$707,002	0.000244%				
Strong Wind	\$25,002,321,612	\$6,469,325	105,598	\$148,478	\$1,123	\$732,111	0.000594%	\$252,500	\$0		
Tornado	\$25,002,321,612	\$6,469,325	105,598	\$596,025	\$90	\$716,024	0.00238%				
Wildfire	\$9,540,247,408	\$5,631,402	43,588	\$14,648	\$4	\$3,236	0.000154%				
Winter Weather	\$25,002,321,612	\$6,469,325	105,598	\$41,734	\$1	\$22,852	0.000167%		\$0	no Public Assistance recorded (1 declaration)	

Totals since 2024-08-13 (Storm Events through 2026-06-30): 108 county-coded records, 108 with a damage value recorded (including \$0), \$319,500; 17 zone-level records, 17 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	105,598
Building value (total, not at risk)	\$25,002,321,612
Agriculture value (total, not at risk)	\$6,469,325
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$33,184,550
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)	\$3,138,078
Social vulnerability rating	Very Low
Community resilience rating	Very High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	6
Repetitive loss, NFIP insurance definition	36	Severe repetitive loss, NFIP insurance definition	6

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	1	6	36	6	36	0	8
of which: Monongalia County (unincorporated area)	0	1	11	1	11	0	2
of which: Blacksville city	0	1	1	1	1	0	0
of which: Morgantown city	1	4	20	4	20	0	6
of which: Osage town (community ID not in plan data)	0	0	1	0	1	0	0
of which: Granville town	0	0	1	0	1	0	0
of which: Westover city	0	0	2	0	2	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>
Monongalia County	540139	0	1	11	1	11	0	2
Blacksville town	540140	0	1	1	1	1	0	0
Granville town	540272	0	0	1	0	1	0	0
Morgantown city	540141	1	4	20	4	20	0	6
Star City town	540273	0	0	0	0	0	0	0
Westover city	540274	0	0	2	0	2	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	1	3	28	3	28	0	5
2 to 4 unit residential	0	2	2	2	2	0	2
other residential	0	1	2	1	2	0	1
non-residential	0	0	4	0	4	0	0
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 35 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_cousubs_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_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