

Washington County, MS

Risk-assessment baseline packet

Unit **County area 28151** Release **2026-10** As of **2026-09-28** 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.

A starting point for the plan's risk assessment (FEMA Local Mitigation Plan Review Tool, Element B). It does not replace local data or FEMA review. Section headings say which FEMA review item each table supports; whether an item is satisfied is decided by the plan and its reviewers.

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).

Plan clock

Status	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	Plan	MEMA District 3 Regional (FEMA plan 111817), pending adoption here
Approved	2026-09-17 by FEMA; not yet adopted here	Expires	2031-09-16 once adopted
As of	2026-09-28	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. Plan 111817 was approved by FEMA on 2026-09-17 but is not yet adopted here, so no since-plan counts are given.

SOURCES: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API); FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API); NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>; FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative</i> = days since expiry	Update underway	Notes
Washington County	County	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	MEMA District 3 Regional (FEMA plan 111817), pending adoption here	2026-09-17 by FEMA; not yet adopted here	2031-09-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Arcola town	Town	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	MEMA District 3 Regional (FEMA plan 111817), pending adoption here	2026-09-17 by FEMA; not yet adopted here	2031-09-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Greenville city	City	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	MEMA District 3 Regional (FEMA plan 111817), pending adoption here	2026-09-17 by FEMA; not yet adopted here	2031-09-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Hollandale city	City	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	MEMA District 3 Regional (FEMA plan 111817), pending adoption here	2026-09-17 by FEMA; not yet adopted here	2031-09-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Leland city	City	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	MEMA District 3 Regional (FEMA plan 111817), pending adoption here	2026-09-17 by FEMA; not yet adopted here	2031-09-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Metcalfe town	Town	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	MEMA District 3 Regional (FEMA plan 111817), pending adoption here	2026-09-17 by FEMA; not yet adopted here	2031-09-16 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

SOURCE: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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

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Supports B1-a: hazards

Hazards NRI does not cover: check locally

- 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)

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Low	\$11,681,564	\$776,061	\$149,164	\$12,606,788	65		
2	Tornado	Relatively High	Relatively Moderate	\$1,393,783	\$19,034	\$4,223,362	\$5,636,178	15		
3	Earthquake	Relatively Moderate	Relatively Moderate	\$2,511,880		\$1,082,033	\$3,593,913			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
4	Cold Wave	Relatively Moderate	Relatively Moderate	\$49,109	\$212,424	\$2,054,242	\$2,315,775	2		
5	Heat Wave	Relatively Moderate	Relatively Moderate	\$143	\$159	\$1,759,729	\$1,760,030	7		
6	Drought	Relatively High	Relatively Moderate		\$1,059,099		\$1,059,099	13		
7	Hail	Relatively Moderate	Relatively Moderate	\$954,999	\$63,760	\$18,160	\$1,036,919	115		
8	Strong Wind	Relatively Moderate	Relatively Moderate	\$258,734	\$7,518	\$636,071	\$902,322	213		Includes 2 High Wind records and 6 Strong Wind records, event types the NRI definition of this hazard leaves out.
9	Hurricane	Relatively Low	Relatively Low	\$264,306	\$166,151	\$11,404	\$441,861	6		Includes 2 Tropical Depression records, event types the NRI definition of this hazard leaves out.

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
10	Lightning	Relatively Moderate	Relatively Moderate	\$28,501		\$335,602	\$364,103	3		
11	Ice Storm	Relatively Moderate	Relatively Moderate	\$259,022		\$7,549	\$266,572	10		
12	Winter Weather	Very Low	Relatively Low	\$12,729	\$381	\$540	\$13,650	19		Includes 2 Sleet records, event types the NRI definition of this hazard leaves out.
13	Wildfire	Very Low	Very Low	\$6,070	\$20	\$771	\$6,861	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
14	Landslide	Very Low	Very Low	\$284		\$8	\$292	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Coastal Flooding	Not Applicable	Not Applicable					0	NRI rates coastal flooding Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Not Applicable	Not Applicable					0	NRI rates tsunami Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Check your state hazard mitigation plan's hazard list for this county; explain any hazard you drop.

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 19
Coastal Flooding	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 19
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 19
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	17 of 19
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	19 of 19
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 19
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 19
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	19 of 19
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 19
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.	19 of 19
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	18 of 19
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 19
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 19
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	19 of 19
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 19
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 19
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	19 of 19
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 19

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B1-c: extent

Extent: scale, observed range and worst recorded event per hazard

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	0					Flood depth: see the FEMA Flood Insurance Rate Map.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	2, 2010 to 2026 (2 zone-level)	1 day to 14 days (median 7.5 days); 2 with a recorded value	14 consecutive days, 2010-01-01 to 2010-01-14, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	0					Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	13, 2006 to 2026 (13 zone-level)	16 days to 109 days (median 52 days); 6 with a recorded value	109 days (about 3.6 months), 2010-07-15 to 2010-10-31, a run of 4 consecutive Storm Events drought records, zone-level	Drought, 2006-10-01, \$0 property; \$5,000,000 crops, reported for the zone (2006 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	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					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	158, 1958 to 2025	0.45 in to 3 in (median 1 in); 158 with a recorded value	3 in hail, 1974-04-01	Hail, 2006-04-07, \$400,000 property; \$200,000 crops (2006 dollars)	Event records naming member places: Greenville city (28 records), Hollandale city (17 records), Leland city (10 records), Arcola town (4 records).	
Excessive Heat, Heat	heat index (narratives)	7, 2000 to 2010 (7 zone-level)	1 day to 12 days (median 5 days); 7 with a recorded value	12 consecutive days, 2007-08-05 to 2007-08-16, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	6, 2002 to 2021 (6 zone-level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Hurricane (Typhoon) record, 2005-08-29, \$500,000 property; \$8,000,000 crops, reported for the zone (2005 dollars); NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	10, 1998 to 2026 (10 zone-level)		Ice Storm, 1998-12-23, \$1,200,000 property; crops not reported, reported for the zone (1998 dollars); NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	65, 1997 to 2025 (1 zone-level)		Flash Flood, 2008-09-03, \$10,000,000 property; \$20,000,000 crops (2008 dollars)		Event records naming member places: Greenville city (28 records), Hollandale city (5 records), Leland city (4 records). Zone-level records (1) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	3, 2009 to 2013		Lightning, 2009-09-15, \$100,000 property; \$0 crops (2009 dollars)		No event record names a member place.	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	8, 1997 to 2017 (8 zone-level)	39 kt (45 mph) to 52 kt (60 mph) (median 42 kt (48 mph)); 7 with a recorded value	52 kt (60 mph) measured gust, High Wind, 2017-08-31; NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties	Strong Wind, 2008-06-27, \$100,000 property; \$0 crops, reported for the zone (2008 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	297, 1955 to 2026	35 kt (40 mph) to 78 kt (90 mph) (median 53 kt (61 mph)); 196 with a recorded value	78 kt (90 mph) estimated gust, Thunderstorm Wind, 2019-06-19; same speed and measurement basis also recorded on 2012-10-17		Event records naming member places: Greenville city (56 records), Hollandale city (28 records), Leland city (15 records), Arcola town (7 records).	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	32, 1953 to 2026	F/EF0 to F/EF5 (median F/EF1); 30 with a recorded value	F5 tornado, 1971-02-21, 7.1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 33 yd wide, \$2,500,000 property; crops not recorded (1971 dollars)	Tornado, 2001-11-24, \$3,500,000 property; crops not reported (2001 dollars)	Event records naming member places: Greenville city (4 records), Hollandale city (1 record).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	0					Acres burned: in event narratives only; local data required.
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	19, 1996 to 2025 (19 zone-level)		Heavy Snow, 2011-02-09, \$400,000 property; \$0 crops, reported for the zone (2011 dollars); NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Supports B1-d: previous occurrences

Declaration rows

30

Counted incidents

24

Plan 111817 was approved by FEMA on 2026-09-17 but is not yet adopted here, so no since-plan counts are given.

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2026-02-06	2026-01-23	DR-4899-MS	Major disaster	SEVERE WINTER STORM	Winter Weather	\$496,398.19	within last 5 years	
2026-01-24	2026-01-23	EM-3640-MS	Emergency	SEVERE WINTER STORM	Winter Weather	none found	within last 5 years	same incident as DR-4899
2025-05-21	2025-03-14	DR-4874-MS	Major disaster	SEVERE STORMS, STRAIGHT-LINE WINDS, TORNADOES, AND FLOODING	Inland Flooding; Strong Wind; Tornado	none found	within last 5 years	
2023-03-26	2023-03-24	DR-4697-MS	Major disaster	SEVERE STORMS, STRAIGHT-LINE WINDS, AND TORNADOES	Strong Wind; Tornado	none found	within last 5 years	
2021-10-22	2021-08-28	DR-4626-MS	Major disaster	HURRICANE IDA	Hurricane	none found	within last 5 years	
2021-08-28	2021-08-28	EM-3569-MS	Emergency	HURRICANE IDA	Hurricane	none found		same incident as DR-4626
2020-04-05	2020-01-20	DR-4528-MS	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$13,126,319.75		
2020-03-13	2020-01-20	EM-3474-MS	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4528
2020-03-12	2020-01-10	DR-4478-MS	Major disaster	SEVERE STORMS, TORNADOES, STRAIGHT-LINE WINDS, AND FLOODING	Inland Flooding; Strong Wind; Tornado	\$69,434.43		
2019-04-23	2019-02-22	DR-4429-MS	Major disaster	SEVERE STORMS, STRAIGHT-LINE WINDS, TORNADOES, AND FLOODING	Inland Flooding; Strong Wind; Tornado	\$236,036.66		
2016-03-25	2016-03-09	DR-4268-MS	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$485,135.32		
2011-05-11	2011-05-03	DR-1983-MS	Major disaster	FLOODING	Inland Flooding	\$734,406.71		
2011-05-04	2011-04-27	EM-3320-MS	Emergency	FLOODING	Inland Flooding	none found		same incident as DR-1983
2008-09-22	2008-08-28	DR-1794-MS	Major disaster	HURRICANE GUSTAV	Hurricane	\$195,924.13		
2008-08-30	2008-08-28	EM-3291-MS	Emergency	HURRICANE GUSTAV	Hurricane	none found		same incident as DR-1794
2008-05-08	2008-03-20	DR-1753-MS	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county		
2005-08-29	2005-08-29	DR-1604-MS	Major disaster	HURRICANE KATRINA	Hurricane	\$137,034.63		
2001-12-07	2001-11-24	DR-1398-MS	Major disaster	SEVERE STORMS, TORNADOES AND FLOODING	Inland Flooding; Tornado	\$105,837.29		
2001-02-23	2001-02-16	DR-1360-MS	Major disaster	SEVERE STORMS AND TORNADOES	Tornado	PA not declared for this county		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		Flags	Notes
						<i>federal share obligated, nominal dollars</i>			
1999-01-25	1998-12-23	DR-1265-MS	Major disaster	SEVERE WINTER STORMS, ICE AND FREEZING RAIN	Ice Storm	\$135,717.89			
1997-06-13	1997-02-28	DR-1178-MS	Major disaster	FLOODING	Inland Flooding	PA not declared for this county			
1994-02-18	1994-02-09	DR-1009-MS	Major disaster	SEVERE WINTER STORM, FREEEZING RAIN AND SLEET	Winter Weather	none found			
1992-03-20	1992-03-09	DR-939-MS	Major disaster	SEVERE STORMS & TORNADOES	Tornado	PA not declared for this county			
1991-05-17	1991-04-26	DR-906-MS	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found			
1991-03-05	1991-02-17	DR-895-MS	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found			
1983-06-01	1983-06-01	DR-683-MS	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado	none found			
1978-04-24	1978-04-24	EM-3063-MS	Emergency	TORNADOES	Tornado	PA not declared for this county			
1977-02-22	1977-02-22	EM-3032-MS	Emergency	DROUGHT & FREEZING	Winter Weather (primary); also designated: Drought	none found			
1973-03-27	1973-03-27	DR-368-MS	Major disaster	HEAVY RAINS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found			
1971-02-22	1971-02-22	DR-302-MS	Major disaster	STORMS & TORNADOES	Tornado	none found			

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.

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

SOURCES

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
1962-10-10	1962-10-10	DR-135-MS	Major disaster	CHLORINE BARGE ACCIDENT	Non-natural, not counted		
1961-02-27	1961-02-27	DR-108-MS	Major disaster	FLOODS	Inland Flooding		
1953-12-06	1953-12-06	DR-14-MS	Major disaster	TORNADO	Tornado		

FEMA recorded these with designated area Statewide and no county. Listed on every county page in the state; not counted with county rows.

SOURCE

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance not placed in a county in this state: 3 rows, \$3,519,904.13

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated	Why not placed
				<i>federal share obligated, nominal dollars</i>	
4899	2026-02-06	Bolivar Energy Authority	Hardeman County	\$103,887.07	county field is a county of another state and the applicant name does not identify a place in the declaring state
4248	2016-01-04	Bolivar Energy Authority	Hardeman County	\$113,668.42	county field is a county of another state and the applicant name does not identify a place in the declaring state
1604	2005-08-29	HOPE ACADEMY	Mobile County	\$3,302,348.64	county field is a county of another state and the applicant name does not identify a place in the declaring state

FEMA's Public Assistance summaries file these applicants under a county field that is not a county of this state (an Alaska school area, the former Valdez-Cordova Census Area, or another state's county), and the applicant name does not identify one place here. They are listed for the whole state and are not in any county total. Check whether any of them worked in your county.

SOURCE

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	2			1	0		1996 to 2026-06-30	
Drought	13			4	1		1996 to 2026-06-30	
Earthquake	0			0	0			No Storm Events record; local data required (e.g., USGS).
Hail	158			12	0		1955 to 2026-06-30	
Heat Wave	7			0	0		1996 to 2026-06-30	
Hurricane	6			0	3		1996 to 2026-06-30	Includes 2 Tropical Depression records, event types the NRI definition of this hazard leaves out.
Ice Storm	10			1	1		1996 to 2026-06-30	
Inland Flooding	65			5	12		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	3			0	0		1996 to 2026-06-30	

Hazard	Storm Events records <i>full period</i>	Since plan approval records	During plan review records	Last 5 years records	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Strong Wind	305			37	4		1955 to 2026-06-30	Includes 2 High Wind records and 6 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	32			1	12		1950 to 2026-06-30	
Tsunami	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	19			3	3		1996 to 2026-06-30	Includes 2 Sleet records, event types the NRI definition of this hazard leaves out.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2019-06-19	Thunderstorm Wind	61 kt (70 mph) estimated gust	\$50,000 property; \$0 crops (2019 dollars)	1, 0	PRISCILLA		deaths or injuries recorded
2019-06-19	Thunderstorm Wind	78 kt (90 mph) estimated gust	\$350,000 property; \$0 crops (2019 dollars)	0, 0	WINTERVILLE		B1-c worst recorded: Thunderstorm Wind
2017-08-31	High Wind	52 kt (60 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2017 dollars)	0, 0	NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2010-08-01	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2010 dollars)	1, 0	NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2010-07-15	Drought		\$0 property; \$300,000 crops, reported for the zone (2010 dollars)	0, 0	NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
2010-01-01	Cold/Wind Chill		\$300,000 property; \$0 crops, reported for the zone (2010 dollars)	0, 0	NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2009-10-09	Tornado	EF1, 1.98 mi within this county, 100 yd wide	\$225,000 property; \$0 crops (2009 dollars)	1, 2	AVON to WAYSIDE		deaths or injuries recorded
2008-09-03	Flash Flood		\$10,000,000 property; \$20,000,000 crops (2008 dollars)	0, 0	GREENVILLE to REFUGE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood

				Direct deaths, injuries		
Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	<i>indirect not counted</i>	Location	Flags Why listed
2007-08-05	Heat		\$0 property; \$0 crops, reported for the zone (2007 dollars)	0, 0	NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties	B1-c worst recorded: Excessive Heat, Heat
2005-08-29	Hurricane (Typhoon)		\$500,000 property; \$8,000,000 crops, reported for the zone (2005 dollars)	0, 0	NWS zone MSZ034 (WASHINGTON), zone-level: may include parts of neighboring counties	B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
1974-04-01	Hail	3 in	damage not recorded (pre-1996 record)	0, 0	location not recorded	B1-c worst recorded: Hail
1971-02-21	Tornado	F5, 7.1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 33 yd wide	\$2,500,000 property; crops not recorded (1971 dollars)	0, 0	location not recorded	B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (620 rows).

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

State-declared emergencies are not in federal data. Add them from your state emergency management agency.

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

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		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	1.26	event-days per year	about 1.26 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	24	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 1.26 cold wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 1 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	14.9	event-days per year	about 14.9 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	469	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 14.9 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 5 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Earthquake	0.00304	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.304%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	3.13	events per year	about 3.13 per year	Highly likely	FEMA annualized frequency (modeled)	119.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	18.7	event-days per year	about 18.7 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	288	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 18.7 heat wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 5 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Hurricane	0.0481	events per year	about 1 in 21 years	Possible	FEMA annualized frequency (modeled)	18	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are counted separately in B1-d and need not match.
Ice Storm	0.87	event-days per year	about 0.87 days per year	Likely	event-days in 7 of 30 years, 1996 to 2025 (23.3%)	59	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.93	event-days per year	about 1.93 days per year	Likely	event-days in 25 of 30 years, 1996 to 2025 (83.3%)	54	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	0.178	events per year (modeled)	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	63.5	days per year with a strike	about 63.5 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.45	events per year	about 2.45 per year	Highly likely	FEMA annualized frequency (modeled)	94	1986 to 2023 (38 years)	countywide	
Tornado	0.668	events per year	about 0.67 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.000137	annual probability at a location	chance a given location in the county burns in a year: 0.0137%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Winter Weather	3.26	event-days per year	about 3.26 days per year	Likely	event-days in 11 of 30 years, 1996 to 2025 (36.7%)	62	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 3.26 winter weather event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 11 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.

FEMA annualized frequency (modeled) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado, hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county, which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts

in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Descriptor scale used in this packet (defined per unit)

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

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	64	30	2.13
Hail	2.00 in+	1996 to 2025	3	30	0.1
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	153	30	5.1
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	12	30	0.4
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	34	30	1.13
Tornado	EF0-1	1996 to 2025	11	30	0.367
Tornado	EF2-3	1996 to 2025	2	30	0.0667
Tornado	EF4-5	1996 to 2025	1	30	0.0333
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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.

SOURCE
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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.

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 19				Not Applicable 19	
Coastal Flooding	0 of 19				Not Applicable 19	
Cold Wave	19 of 19	58.2	78.9	92.6	Relatively High 12, Relatively Moderate 7	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	17 of 19	70.4	87.1	99.2	Relatively High 2, Relatively Moderate 1, Relatively Low 10, Very Low 4, No Rating 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	19 of 19	54.4	82.8	86.2	Relatively Moderate 18, Relatively Low 1	
Hail	19 of 19	67.4	87.5	95.5	Relatively High 9, Relatively Moderate 9, Relatively Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	19 of 19	62.5	85.1	92.8	Relatively High 11, Relatively Moderate 8	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	19 of 19	48.8	58.1	81.2	Relatively Moderate 2, Relatively Low 16, Very Low 1	
Ice Storm	19 of 19	50.6	83.7	92.1	Relatively High 2, Relatively Moderate 14, Relatively Low 3	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Inland Flooding	19 of 19	4.6	69.0	95.9	Very High 1, Relatively High 7, Relatively Moderate 6, Relatively Low 3, Very Low 2	
Landslide	18 of 19	8.8	36.2	84.7	Relatively Low 2, Very Low 16, No Rating 1	
Lightning	19 of 19	51.7	77.8	91.4	Relatively High 9, Relatively Moderate 10	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	19 of 19	66.7	84.3	93.9	Relatively High 13, Relatively Moderate 6	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	19 of 19	73.6	92.1	98.6	Very High 8, Relatively High 9, Relatively Moderate 2	
Tsunami	0 of 19				Not Applicable 19	
Volcanic Activity	0 of 19				Not Applicable 19	
Wildfire	19 of 19	29.4	53.7	73.9	Relatively Low 2, Very Low 17	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Winter Weather	19 of 19	19.7	32.0	45.6	Relatively Low 19	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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.

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat- flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Washington County	County	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	FMA RL 29, SRL 32; any 141	\$712,180.32	0; no approved plan	Includes \$68,821.44 for declarations not counted as hazard incidents (DR-4528-MS).
Arcola town	Town	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	11; no approved plan	
Greenville city	City	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	FMA RL 19, SRL 26; any 109	\$1,355,732.38	116; no approved plan	
Hollandale city	City	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$479,596.62	51; no approved plan	Includes \$54,320.67 for declarations not counted as hazard incidents (DR-4528-MS).
Leland city	City	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	FMA RL 1, SRL 1; any 4	\$130,624.35	29; no approved plan	
Metcalfe town	Town	Plan 111817 approved 2026-09-17, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	0; no approved plan	

Member 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 member row, while the county table counts only its part in this county.

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

SOURCES
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Supports B2-a and B2-b: assets and impacts

Local data required

County-level starter. The plan must describe impacts for each participant and its own assets.

Plan 111817 was approved by FEMA on 2026-09-17 but is not yet adopted here, so no since-plan counts are given.

- Critical facilities and lifelines per hazard
 - A problem statement per participant 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

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, 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
Avalanche											Not Applicable in NRI for this county
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$11,273,062,611	\$216,070,067	44,765	\$49,109	\$212,424	\$2,054,242	0.000436%				
Drought		\$163,975,751			\$1,059,099		0.646% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$20,469,996,298		44,922	\$2,511,880		\$1,082,033	0.0123%				
Hail	\$11,273,062,611	\$216,070,067	44,765	\$954,999	\$63,760	\$18,160	0.00847%				
Heat Wave	\$11,273,062,611	\$216,070,067	44,765	\$143	\$159	\$1,759,729	under 0.0001%				
Hurricane	\$11,270,796,216	\$210,227,810	44,750	\$264,306	\$166,151	\$11,404	0.00235%				
Ice Storm	\$11,273,062,611		44,765	\$259,022		\$7,549	0.0023%				
Inland Flooding	\$11,260,603,586	\$113,204,438	12,550	\$11,681,564	\$776,061	\$149,164	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. EAL as % of exposure: n/a.
Landslide	\$29,309,047		89	\$284		\$8	0.00097%				

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, 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
Lightning	\$11,273,062,611		44,765	\$28,501		\$335,602	0.000253%				
Strong Wind	\$11,273,062,611	\$216,070,067	44,765	\$258,734	\$7,518	\$636,071	0.0023%				
Tornado	\$11,273,062,611	\$216,070,067	44,765	\$1,393,783	\$19,034	\$4,223,362	0.0124%				
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$2,385,701,793	\$17,810,306	11,042	\$6,070	\$20	\$771	0.000254%				
Winter Weather	\$11,273,062,611	\$216,070,067	44,765	\$12,729	\$381	\$540	0.000113%				

Totals since the plan: not available. Plan 111817 was approved by FEMA on 2026-09-17 but is not yet adopted here, so no since-plan counts are given.

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

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 must not be added up; the unit total counts each declaration once.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

Measure	Value
Population	44,765
Building value (total, not at risk)	\$11,273,062,611
Agriculture value (total, not at risk)	\$216,070,067
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$19,725,730
Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage)	\$10,278,633

Measure	Value
Social vulnerability rating	Very High
Community resilience rating	Relatively Moderate
NRI version	December 2025

FEMA's all-hazard expected annual loss total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	49	Severe repetitive loss, FMA definition (44 CFR 77.2)	59
Repetitive loss, NFIP insurance definition	235	Severe repetitive loss, NFIP insurance definition	47

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

SOURCES
FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties: county and state-level rows

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	49	59	235	47	255	16	69
WASHINGTON COUNTY*	29	32	125	22	141	14	17
GREENVILLE, CITY OF	19	26	105	24	109	2	51
HOLLANDALE, CITY OF	0	0	1	0	1	0	1
LELAND, CITY OF	1	1	4	1	4	0	0
State level, not in this county: county not reported	1	1	4	1	4	0	3

SOURCES
FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties by plan member (NFIP community)

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Washington County	280177	29	32	125	22	141	14	17	
Arcola town	280178	0	0	0	0	0	0	0	
Greenville city	280179	19	26	105	24	109	2	51	

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Hollandale city	280180	0	0	1	0	1	0	1	
Leland city	280181	1	1	4	1	4	0	0	
Metcalfe town	280355	0	0	0	0	0	0	0	

Per-member types: XLSX sheet 'B2-c Members'.

Member 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 member row, while the county table counts only its part in this county.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

County repeat-flood properties by occupancy group

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	44	54	206	41	225	16	65
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	1	0	2	0	3	0	0
non-residential	4	5	26	6	26	0	4
not reported	0	0	0	0	0	0	0

Institutional properties cannot be separated in this data: FEMA's occupancy groups have no institutional class, so they fall in non-residential or other residential in the table by occupancy group.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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; OpenFEMA's fmaRI field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRI) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

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

Counts may differ from your state NFIP coordinator's list, which is the source the Handbook names.

In this county 15 properties are FMA repetitive loss but not NFIP repetitive loss, and 201 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Every table above lists its own sources. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <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 2026-09-28, 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 2026-09-28, <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 2026-09-28, <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 2026-09-28, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip, https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

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Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_MS_28151. Preview: automated baseline.