

Armstrong County, PA

Risk-assessment baseline packet

Unit **County area 42005** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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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.

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Plan clock

Status	Approved, expires 2030-11-02	Plan	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)
Approved	2025-11-03	Expires	2030-11-02
As of	2026-09-28	Days	1,496 days to expiry

What changed since your last plan (approved 2025-11-03)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	6 (data through 2026-06-30)
Repetitive loss now	FMA RL 9, SRL 5 (44 CFR 77.2); any definition: 53	Repeat-flood change	First release: no prior release to compare.

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: 43 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Update underway	Notes
Armstrong County	County	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-22
Apollo borough	Organized Borough	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Applewold borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-11
Atwood borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-10
Dayton borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-10
Elderton borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-17
Ford City borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-24
Ford Cliff borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-06
Kittanning borough	Organized Borough	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Leechburg borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-16
Manorville borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-01

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
North Apollo borough	Organized Borough	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Parker city	City	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Rural Valley borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-08
South Bethlehem borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		
West Kittanning borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-05
Worthington borough	Organized Borough	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-01
Bethel township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Boggs township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		
Bradys Bend township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-03
Burrell township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-04
Cadogan township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-05
Cowanshannock township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2026-01-05
East Franklin township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-18
Gilpin township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Hovey township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Madison township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-11

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Mahoning township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-18
Manor township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-03
North Buffalo township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-12
Parks township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-15
Perry township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Pine township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-01
Plumcreek township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-10
Rayburn township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-01
Redbank township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-09
South Bend township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		
South Buffalo township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-15
Sugarcreek township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Valley township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-12-01
Washington township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-10
Wayne township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	Armstrong County Hazard Mitigation Plan (FEMA plan 109082), pending adoption here	2025-11-03 by FEMA; not yet adopted here	2030-11-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Franklin township	Township	Approved, expires 2030-11-02	Armstrong County Hazard Mitigation Plan (FEMA plan 109082)	2025-11-03	2030-11-02	1,496		member approved 2025-11-11

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

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 Moderate	\$25,644,590	\$454	\$31,460	\$25,676,505	83		
2	Tornado	Relatively Low	Relatively Low	\$449,601	\$1,255	\$186,370	\$637,226	3		
3	Lightning	Relatively Moderate	Relatively Moderate	\$3,358		\$513,706	\$517,064	1		
4	Strong Wind	Relatively Low	Relatively Low	\$160,736	\$1,289	\$132,127	\$294,152	300		Includes 18 High Wind records and 3 Strong Wind records, event types the NRI definition of this hazard leaves out.
5	Hail	Relatively Low	Relatively Low	\$140,172	\$7,331	\$5,960	\$153,462	68		
6	Heat Wave	Very Low	Very Low	under \$1	\$5	\$139,218	\$139,223	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
7	Earthquake	Very Low	Very Low	\$83,221		\$27,586	\$110,808			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
8	Hurricane	Very Low	Very Low	\$58,083	\$26,732	\$3,091	\$87,906	0		Declared 3 times; no Storm Events record of this type.
9	Cold Wave	Very Low	Very Low	\$509	\$15,580	\$50,570	\$66,659	8		
10	Landslide	Relatively Low	Relatively Low	\$5,616		\$25,271	\$30,887	0		Declared 1 time; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
11	Ice Storm	Relatively Low	Relatively Low	\$3,594		\$23,744	\$27,338	10		
12	Wildfire	Very Low	Very Low	\$7,050	\$9	\$1,522	\$8,580	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.

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
13	Winter Weather	Very Low	Very Low	\$1,226	\$5	\$2,273	\$3,503	75		
14	Avalanche	Very Low	Very Low	under \$1		\$686	\$686	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Drought	No Rating	No Expected Annual Losses		\$0		\$0	2		
	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.	9 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.	0 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

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
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.	19 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.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	8, 2009 to 2025 (8 zone-level)	1 day to 3 days (median 2 days); 8 with a recorded value	3 consecutive days, 2025-01-20 to 2025-01-22, 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Drought	US Drought Monitor D-scale	2, 1999 to 1999 (2 zone-level)	61 days; 1 with a recorded value	61 days (2 months), 1999-08-01 to 1999-09-30, a run of 2 consecutive Storm Events drought records, zone-level		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)	72, 1983 to 2025	0.75 in to 1.75 in (median 1 in); 72 with a recorded value	1.75 in hail, 2025-05-04; same size also recorded on 1985-05-31, 2001-04-09, 2004-08-19, 2013-08-07, 2014-07-08, 2019-05-28, 2024-08-06	Hail, 2019-05-28, \$5,000 property; \$0 crops (2019 dollars)	Event records naming member places: West Kittanning borough (4 records), Dayton borough (3 records), Ford City borough (3 records), Kittanning borough (3 records), Apollo borough (2 records), Bradys Bend township (2 records), Elderton borough (2 records), Mahoning township (2 records), South Bethlehem borough (2 records), Atwood borough (1 record); and 2 more member places (see the XLSX file).	
Excessive Heat, Heat	heat index (narratives)	0					Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					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, 1996 to 2016 (10 zone-level)		Ice Storm, 1997-11-13, \$2,000 property; crops not reported, reported for the zone (1997 dollars); NWS zone PAZ022 (ARMSTRONG), 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)	83, 1996 to 2026 (12 zone-level)		Flood, 2004-09-17, \$4,000,000 property; crops not reported, reported for the zone (2004 dollars), 1 direct injury (reported for the zone); NWS zone PAZ022 (ARMSTRONG), zone-level: may include parts of neighboring counties		Event records naming member places: Apollo borough (7 records), Kittanning borough (6 records), West Kittanning borough (5 records), Leechburg borough (3 records), Cadogan township (1 record), Dayton borough (1 record), Ford City borough (1 record), South Bend township (1 record), South Bethlehem borough (1 record), Worthington borough (1 record). Zone-level records (12) 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)	1, 1998 to 1998		Lightning, 1998-08-24, \$10,000 property; crops not reported (1998 dollars)		Event records naming member places: Ford City borough (1 record).	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)	21, 1997 to 2022 (21 zone-level)	35 kt (40 mph) to 55 kt (63 mph) (median 50 kt (58 mph)); 18 with a recorded value	55 kt (63 mph) estimated gust, High Wind, 2008-09-14; same speed and measurement basis also recorded on 2003-02-23, 2003-03-08; NWS zone PAZ022 (ARMSTRONG), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	348, 1968 to 2025	48 kt (55 mph) to 85 kt (98 mph) (median 50 kt (58 mph)); 239 with a recorded value	85 kt (98 mph), measurement type not recorded, Thunderstorm Wind, 1999-06-02, 1 direct injury	Thunderstorm Wind, 2024-10-06, \$2,500,000 property; \$0 crops (2024 dollars)	Event records naming member places: Kittanning borough (29 records), West Kittanning borough (19 records), Apollo borough (16 records), Ford City borough (14 records), Dayton borough (8 records), Elderton borough (8 records), Worthington borough (8 records), Leechburg borough (7 records), Bradys Bend township (6 records), Applewold borough (4 records); and 7 more member places (see the XLSX file).	

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)	11, 1951 to 2022	F/EF0 to F/EF4 (median between F/EF1 and F/EF2); 10 with a recorded value	F4 tornado, 1980-06-03, 2.3 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, \$250,000,000 property; crops not recorded (1980 dollars), 120 direct injuries		No event record names a member place.	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)	75, 1996 to 2026 (75 zone-level)		Winter Storm, 2008-02-01, \$10,000 property; \$0 crops, reported for the zone (2008 dollars); NWS zone PAZ022 (ARMSTRONG), 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.

Where a hazard names more than 10 member places, the table lists the 10 with the most records; every place is in the XLSX file, sheet "B1-c Extent".

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

17

Counted incidents

13

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
2020-03-30	2020-01-20	DR-4506-PA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$263,531.95		
2020-03-13	2020-01-20	EM-3441-PA	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4506
2012-10-29	2012-10-26	EM-3356-PA	Emergency	HURRICANE SANDY	Hurricane	none found		
2010-04-16	2010-02-05	DR-1898-PA	Major disaster	SEVERE WINTER STORMS AND SNOWSTORMS	Winter Weather	\$272,996.17		
2006-06-30	2006-06-23	DR-1649-PA	Major disaster	SEVERE STORMS, FLOODING, AND MUDSLIDES	Inland Flooding; Landslide	\$194,019.83		
2005-09-10	2005-08-29	EM-3235-PA	Emergency	HURRICANE KATRINA	Hurricane: evacuation support, not a local hazard event; not counted	none found		
2004-09-19	2004-09-17	DR-1557-PA	Major disaster	TROPICAL DEPRESSION IVAN	Hurricane	\$1,430,597.08		
2004-09-19	2004-09-08	DR-1555-PA	Major disaster	SEVERE STORMS AND FLOODING ASSOCIATED WITH TROPICAL DEPRESSION FRANCES	Hurricane; Inland Flooding: designated for Hazard Mitigation only (no Public or Individual Assistance for this county); not counted	PA not declared for this county		
1996-07-26	1996-07-19	DR-1130-PA	Major disaster	SEVERE STORMS, FLOODING, AND TORNADOES	Inland Flooding (primary); also designated: Tornado	none found		
1996-01-21	1996-01-19	DR-1093-PA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	none found		
1996-01-13	1996-01-06	DR-1085-PA	Major disaster	BLIZZARD OF 96	Winter Weather	none found		
1994-03-10	1994-01-04	DR-1015-PA	Major disaster	SEVERE WINTER STORMS	Winter Weather	none found		
1993-03-16	1993-03-13	EM-3105-PA	Emergency	SEVERE SNOWFALL & WINTER STORM	Winter Weather	none found		
1984-08-27	1984-08-27	DR-721-PA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	PA not declared for this county		
1980-08-19	1980-08-19	DR-629-PA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1980-06-13	1980-06-13	EM-3081-PA	Emergency	SEVERE STORMS & TORNADOES	Tornado	PA not declared for this county		
1972-06-23	1972-06-23	DR-340-PA	Major disaster	TROPICAL STORM AGNES	Inland Flooding (primary); also designated: Hurricane	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
2003-08-23	2003-07-21	DR-1485-PA	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado		
1959-01-23	1959-01-23	DR-89-PA	Major disaster	FLOODS	Inland Flooding		
1956-08-09	1956-08-09	DR-61-PA	Major disaster	STORM	Hazard not mapped (severe storm title names no single hazard); not counted		
1956-05-21	1956-05-21	DR-58-PA	Major disaster	SEVERE STORM	Hazard not mapped (severe storm title names no single hazard); not counted		
1956-03-15	1956-03-15	DR-51-PA	Major disaster	FLOOD	Inland Flooding		
1955-08-20	1955-08-20	DR-40-PA	Major disaster	FLOODS & RAINS	Inland Flooding		

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 filed under this county for declarations that do not list it: 1 row, \$1,987.97

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
EM-3180-PA	2003-03-14	SNOW	West Leechburg, Borough of (Armstrong County)	\$1,987.97

FEMA's Public Assistance summaries file these applicants under this county, but FEMA's declaration rows for these disasters do not designate it (an electric cooperative or district serving several counties, for example). Not in any declaration row above and not counted.

SOURCES

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Previous occurrences by hazard, with explicit no-event rows

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
Avalanche	0	0	0	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	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	8	0	1	2	0	0	1996 to 2026-06-30	
Drought	2	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	72	0	2	15	0	0	1955 to 2026-06-30	

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
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	3	0	1996 to 2026-06-30	No Storm Events records of this type; 3 federal declared incidents (see declarations table)
Ice Storm	10	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	83	1	7	15	6	0	1996 to 2026-06-30	
Landslide	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)
Lightning	1	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	369	0	11	45	0	0	1955 to 2026-06-30	Includes 18 High Wind records and 3 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	11	0	0	1	2	0	1950 to 2026-06-30	
Tsunami	0	0	0	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	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	75	5	0	22	4	0	1996 to 2026-06-30	

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
2025-05-04	Hail	1.75 in	\$0 property; \$0 crops (2025 dollars)	0, 0	GIRTY	during plan review, check whether your last plan included it; within last 5 years	B1-c worst recorded: Hail
2025-01-20	Cold/Wind Chill		\$0 property; \$0 crops, reported for the zone (2025 dollars)	0, 0	NWS zone PAZ022 (ARMSTRONG), zone-level: may include parts of neighboring counties	during plan review, check whether your last plan included it; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2021-07-16	Thunderstorm Wind	50 kt (58 mph) estimated gust	\$0 property; \$0 crops (2021 dollars)	0, 1	ALADDIN		deaths or injuries recorded
2008-09-14	High Wind	55 kt (63 mph) estimated gust	\$500,000 property; \$0 crops, reported for the zone (2008 dollars)	0, 0	NWS zone PAZ022 (ARMSTRONG), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2008-02-01	Winter Storm		\$10,000 property; \$0 crops, reported for the zone (2008 dollars)	0, 0	NWS zone PAZ022 (ARMSTRONG), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2004-09-17	Flood		\$4,000,000 property; crops not reported, reported for the zone (2004 dollars)	0, 1	NWS zone PAZ022 (ARMSTRONG), zone-level: may include parts of neighboring counties		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1999-08-01	Drought		damage not reported	0, 0	NWS zone PAZ022 (ARMSTRONG), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
1999-06-02	Thunderstorm Wind	85 kt (98 mph), measurement type not recorded	\$250,000 property; crops not reported (1999 dollars)	0, 1	ELDERTON		B1-c worst recorded: Thunderstorm Wind
1998-08-24	Lightning		\$10,000 property; crops not reported (1998 dollars)	0, 0	FORD CITY		B1-c worst recorded: Lightning
1997-11-13	Ice Storm		\$2,000 property; crops not reported, reported for the zone (1997 dollars)	0, 0	NWS zone PAZ022 (ARMSTRONG), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm
1980-06-03	Tornado	F4, 2.3 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	\$250,000,000 property; crops not recorded (1980 dollars)	0, 120	location not recorded		deaths or injuries recorded
1978-07-23	Tornado	no rating recorded, 33 yd wide	\$250,000 property; crops not recorded (1978 dollars)	0, 2	location not recorded		deaths or injuries recorded

The full list is in the XLSX file, sheet "B1-d Storm Events history" (631 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.

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

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	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.
Coastal Flooding		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Cold Wave	3.37	event-days per year	about 3.37 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	64	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 3.37 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 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. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	0	event-days per year	none modeled	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	0	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI models no drought event-days here (2000 to 2025, 25.25 years; D3 and D4 only), but Storm Events has a record in 1 of 30 years. The descriptor comes from Storm Events, which records events NRI's definition leaves out, so the two use different thresholds; read them together.
Earthquake	0.000441	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0441%			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	2.65	events per year	about 2.65 per year	Highly likely	FEMA annualized frequency (modeled)	100.9 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.32	event-days per year	about 1.32 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	26	2005-11-12 to 2024-11-12 (19 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned

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
Hurricane	0.0298	events per year	about 1 in 34 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 counted separately in B1-d and need not match.
Ice Storm	0.331	event-days per year	about 0.331 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	23	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.71	event-days per year	about 1.71 days per year	Likely	event-days in 22 of 30 years, 1996 to 2025 (73.3%)	48	1996 to 2023 (28 years)	see B1-f	
Landslide	1.25	events per year (modeled)	about 1.25 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	40.5	days per year with a strike	about 40.5 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.36	events per year	about 2.36 per year	Highly likely	FEMA annualized frequency (modeled)	90	1986 to 2023 (38 years)	countywide	
Tornado	0.239	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
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	0.0000462	annual probability at a location	chance a given location in the county burns in a year: 0.00462%		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	13.5	event-days per year	about 13.5 days per year	Likely	event-days in 25 of 30 years, 1996 to 2025 (83.3%)	256	2005-11-12 to 2024-11-12 (19 years)	countywide	

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	47	30	1.57
Hail	2.00 in+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	234	30	7.8
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	4	30	0.133
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	41	30	1.37

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	EF0-1	1996 to 2025	2	30	0.0667
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0
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	9 of 19	39.7	41.2	45.1	Very Low 9, Not Applicable 10	
Coastal Flooding	0 of 19				Not Applicable 19	
Cold Wave	19 of 19	16.9	19.3	23.2	Relatively Low 11, Very Low 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.
Drought	0 of 19				No Rating 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.
Earthquake	19 of 19	10.9	20.0	30.8	Very Low 19	
Hail	19 of 19	41.0	52.8	65.2	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.
Heat Wave	19 of 19	4.0	9.0	18.9	Relatively Low 1, Very Low 18	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	36.1	46.1	54.0	Relatively Low 1, Very Low 18	
Ice Storm	19 of 19	6.8	18.9	37.5	Relatively Low 2, Very Low 17	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	51.8	83.7	98.6	Very High 2, Relatively High 12, Relatively Moderate 5	
Landslide	19 of 19	46.9	91.9	97.0	Relatively Moderate 4, Relatively Low 10, Very Low 5	
Lightning	19 of 19	50.3	77.4	91.1	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.

Hazard	Tracts rated of all	Risk score min NRI score, 0 to 100	Median	Max	Tracts by rating	Note
Strong Wind	19 of 19	28.9	50.1	62.8	Relatively Moderate 6, Relatively Low 13	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	29.3	39.0	49.7	Relatively Low 18, Very Low 1	
Tsunami	0 of 19				Not Applicable 19	
Volcanic Activity	0 of 19				Not Applicable 19	
Wildfire	19 of 19	25.6	57.8	70.1	Relatively Low 1, Very Low 18	
Winter Weather	19 of 19	16.0	18.4	21.1	Relatively Low 10, Very Low 9	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
Armstrong County	County	Approved, expires 2030-11-02		\$31,857.62	0; 0	No NFIP community ID on this member's plan row.
Apollo borough	Organized Borough	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	25; no approved plan	
Applewold borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$890.63	4; 0	
Atwood borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	none found	2; 0	
Dayton borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	none found	12; 0	
Elderton borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$7,821.18	10; 0	
Ford City borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 1	\$43,803.13	19; 0	
Ford Cliff borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$1,083.75	0; 0	

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
Kittanning borough	Organized Borough	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 2	\$125,947.78	38; no approved plan	
Leechburg borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$10,076.84	11; 0	
Manorville borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 2	\$4,559.80	1; 0	
North Apollo borough	Organized Borough	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$9,395.02	0; no approved plan	
Parker city	City	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	1; no approved plan	
Rural Valley borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$10,129.92	0; 0	
South Bethlehem borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	none found	5; 0	
West Kittanning borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$8,983.73	28; 0	
Worthington borough	Organized Borough	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 1	\$18,055.69	10; 0	
Bethel township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 1, SRL 1; any 7	\$110,488.38	0; no approved plan	
Boggs township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 1	\$10,480.01	0; 0	
Bradys Bend township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 3	none found	8; 0	
Burrell township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$74,662.66	0; 0	
Cadogan township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 1	\$2,676.66	3; 0	
Cowanshannock township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$10,543.97	0; 0	
East Franklin township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 3	\$47,198.90	0; 0	

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
Gilpin township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 3, SRL 1; any 10	\$387,210.71	0; no approved plan	
Hovey township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	0; no approved plan	
Madison township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 1; any 3	none found	0; 0	
Mahoning township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	none found	3; 0	
Manor township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$52,748.82	0; 0	
North Buffalo township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$19,291.70	0; 0	
Parks township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	none found	0; 0	
Perry township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$27,006.11	0; no approved plan	
Pine township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$30,744.74	0; 0	
Plumcreek township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	none found	0; 0	
Rayburn township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$74,740.60	0; 0	
Redbank township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 1	\$4,809.39	0; 0	
South Bend township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	none found	3; 0	
South Buffalo township	Township	Approved, expires 2030-11-02	FMA RL 5, SRL 2; any 13	\$88,842.53	0; 0	
Sugarcreek township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	0; no approved plan	
Valley township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$46,864.31	0; 0	

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>federal share obligated, nominal dollars</i>	<i>all years; since the member's plan</i>	
Washington township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 0	\$15,058.47	0; 0	
Wayne township	Township	Plan 109082 approved 2025-11-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$24,627.43	0; no approved plan	
West Franklin township	Township	Approved, expires 2030-11-02	FMA RL 0, SRL 0; any 1	\$188,405.58	0; 0	

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.

- 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 2025-11-03 <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	\$153,832		under 1	under \$1		\$686	under 0.0001%				
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$13,971,437,038	\$51,205,573	65,530	\$509	\$15,580	\$50,570	under 0.0001%				
Drought		\$0			\$0						agriculture exposure is 0 in NRI

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 2025-11-03 <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
Earthquake	\$24,035,231,120		65,558	\$83,221		\$27,586	0.000346%				
Hail	\$13,971,437,038	\$51,205,573	65,530	\$140,172	\$7,331	\$5,960	0.001%				
Heat Wave	\$13,971,437,038	\$51,205,573	65,530	under \$1	\$5	\$139,218	under 0.0001%				
Hurricane	\$13,970,805,507	\$51,202,554	65,521	\$58,083	\$26,732	\$3,091	0.000416%				
Ice Storm	\$13,971,046,007		65,526	\$3,594		\$23,744	under 0.0001%				
Inland Flooding	\$13,948,819,107	\$900,250	3,446	\$25,644,590	\$454	\$31,460	n/a (see note)	\$100,000			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. EAL as % of exposure: n/a.
Landslide	\$1,480,742,869		7,844	\$5,616		\$25,271	0.000379%				
Lightning	\$13,971,437,038		65,530	\$3,358		\$513,706	under 0.0001%				
Strong Wind	\$13,971,437,038	\$51,205,573	65,530	\$160,736	\$1,289	\$132,127	0.00115%				
Tornado	\$13,971,437,038	\$51,205,573	65,530	\$449,601	\$1,255	\$186,370	0.00322%				
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$4,974,178,275	\$23,448,392	25,233	\$7,050	\$9	\$1,522	0.000142%				
Winter Weather	\$13,971,437,038	\$51,205,573	65,530	\$1,226	\$5	\$2,273	under 0.0001%		\$0		

Totals since 2025-11-03 (Storm Events through 2026-06-30): 1 county-coded records, 1 with a damage value recorded (including \$0), \$100,000; 5 zone-level records, 5 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance on counted declarations none found (0 declarations, 0 with PA).

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	65,530
Building value (total, not at risk)	\$13,971,437,038
Agriculture value (total, not at risk)	\$51,205,573
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$26,610,415
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)	\$1,143,583
Social vulnerability rating	Relatively Moderate
Community resilience rating	Very High
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)	9	Severe repetitive loss, FMA definition (44 CFR 77.2)	5
Repetitive loss, NFIP insurance definition	52	Severe repetitive loss, NFIP insurance definition	5

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	9	5	52	5	53	0	15
FORD CITY, BOROUGH OF	0	0	1	0	1	0	1
FREEPORT, BOROUGH OF (community ID not in plan data)	0	0	4	0	4	0	2
KITTANNING, BOROUGH OF	0	0	2	0	2	0	1
MANORVILLE, BOROUGH OF	0	0	2	0	2	0	1

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>
SOUTH BUFFALO, TOWNSHIP OF	5	2	13	2	13	0	6
BETHEL, TOWNSHIP OF	1	1	7	1	7	0	2
BOGGS, TOWNSHIP OF	0	0	1	0	1	0	0
BRADY'S BEND, TOWNSHIP OF	0	0	3	0	3	0	0
CADOGAN, TOWNSHIP OF	0	0	1	0	1	0	0
EAST FRANKLIN, TOWNSHIP OF	0	0	3	0	3	0	0
GILPIN, TOWNSHIP OF	3	1	9	1	10	0	1
MADISON, TOWNSHIP OF	0	1	3	1	3	0	0
REDBANK, TOWNSHIP OF	0	0	1	0	1	0	0
WEST FRANKLIN, TOWNSHIP OF	0	0	1	0	1	0	0
WORTHINGTON, BOROUGH OF	0	0	1	0	1	0	1
State level, not in this county: county not reported	0	0	1	0	1	0	0

SOURCESFEMA, 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
Apollo borough	420092	0	0	0	0	0	0	0	
Applewold borough	420093	0	0	0	0	0	0	0	
Atwood borough	422297	0	0	0	0	0	0	0	
Dayton borough	421211	0	0	0	0	0	0	0	
Elderton borough	422668	0	0	0	0	0	0	0	
Ford City borough	420094	0	0	1	0	1	0	1	
Ford Cliff borough	422669	0	0	0	0	0	0	0	
Kittanning borough	420096	0	0	2	0	2	0	1	
Leechburg borough	420097	0	0	0	0	0	0	0	
Manorville borough	420098	0	0	2	0	2	0	1	
North Apollo borough	422300	0	0	0	0	0	0	0	
Parker city	420099	0	0	0	0	0	0	0	
Rural Valley borough	422302	0	0	0	0	0	0	0	
South Bethlehem borough	420100	0	0	0	0	0	0	0	
West Kittanning borough	422670	0	0	0	0	0	0	0	
Worthington borough	422306	0	0	1	0	1	0	1	
Bethel township	421300	1	1	7	1	7	0	2	

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
Boggs township	421301	0	0	1	0	1	0	0	
Bradys Bend township	421302	0	0	3	0	3	0	0	
Burrell township	421303	0	0	0	0	0	0	0	
Cadogan township	421304	0	0	1	0	1	0	0	
Cowanshannock township	421230	0	0	0	0	0	0	0	
East Franklin township	421305	0	0	3	0	3	0	0	
Gilpin township	421306	3	1	9	1	10	0	1	
Hovey township	422299	0	0	0	0	0	0	0	
Madison township	421308	0	1	3	1	3	0	0	
Mahoning township	422633	0	0	0	0	0	0	0	
Manor township	421309	0	0	0	0	0	0	0	
North Buffalo township	421310	0	0	0	0	0	0	0	
Parks township	421311	0	0	0	0	0	0	0	
Perry township	422301	0	0	0	0	0	0	0	
Pine township	421312	0	0	0	0	0	0	0	
Plumcreek township	421313	0	0	0	0	0	0	0	
Rayburn township	421314	0	0	0	0	0	0	0	
Redbank township	421315	0	0	1	0	1	0	0	
South Bend township	421214	0	0	0	0	0	0	0	
South Buffalo township	421210	5	2	13	2	13	0	6	
Sugarcreek township	422303	0	0	0	0	0	0	0	
Valley township	421316	0	0	0	0	0	0	0	
Washington township	421317	0	0	0	0	0	0	0	
Wayne township	421318	0	0	0	0	0	0	0	
West Franklin township	422304	0	0	1	0	1	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	9	5	44	5	45	0	14

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>
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	1	0	1	0	0
non-residential	0	0	7	0	7	0	1
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 1 property is FMA repetitive loss but not NFIP repetitive loss, and 44 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_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

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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_PA_42005. Preview: automated baseline.