

Westmoreland County, PA

Risk-assessment baseline packet

Unit **County area 42129** 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 109101 approved 2026-03-03, pending adoption here; not yet eligible	Plan	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here
Approved	2026-03-03 by FEMA; not yet adopted here	Expires	2031-03-02 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 109101 was approved by FEMA on 2026-03-03 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: 54 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.

CONTENTS

1. Plan clock, page 1
2. What changed since your last plan, page 1
3. Supports B1-a: hazards, page 6
4. Supports B1-b: location, page 8
5. Supports B1-c: extent, page 9
6. Supports B1-d: previous occurrences, page 12
7. Supports B1-e: probability, page 16
8. Supports B1-f: variation across the planning area, page 19
9. Supports B2-a and B2-b: assets and impacts, page 24
10. Supports B2-a: context, page 26
11. Supports B2-c: repetitive loss, page 26
12. Sources and OpenFEMA disclaimer, page 30

Plan clock**Plan status for every jurisdiction listed in this county**

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Westmoreland County	County	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Avonmore borough	Organized Borough	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-04-06
Bolivar borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Delmont borough	Organized Borough	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-06-10
Derry borough	Organized Borough	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-10
Donegal borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
East Vandergrift borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Export borough	Organized Borough	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-04-07
Greensburg city	City	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-09

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Hunker borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Irwin borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Jeannette city	City	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-12
Ligonier borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Lower Burrell city	City	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-08-10
Manor borough	Organized Borough	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-11
Mount Pleasant borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Murrysville municipality	Municipality	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-09-15
New Kensington city	City	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
New Stanton borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
North Irwin borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Oklahoma borough	Organized Borough	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-08-10

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Penn borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Scottdale borough	Organized Borough	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-04-13
Smithton borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
South Greensburg borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Southwest Greensburg borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Sutersville borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Trafford borough	Organized Borough	Plan 111350 approved 2026-04-22, pending adoption here; not yet eligible	Allegheny County Hazard Mitigation Plan (FEMA plan 111350), pending adoption here	2026-04-22 by FEMA; not yet adopted here	2031-04-21 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Leechburg borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Newton borough	Organized Borough	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-17
Youngwood borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Allegheny township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-06-08
Cook township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-04

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Derry township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		
Donegal township	Township	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Fairfield township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-04-09
Hempfield township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-06-22
Ligonier township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-10
Loyalhanna township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-07-07
Mount Pleasant township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-09-21
North Huntingdon township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-07-15
Penn township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-18
Salem township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-18
Sewickley township	Township	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
South Huntingdon township	Township	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Unity township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-05-14
Upper Burrell township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-04
Washington township	Township	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-12
Ligonier Valley School District	School/School District	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 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>		
Greater Greensburg Sewage Authority	Water/Sewer Authority	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Latrobe City	City	Approved, expires 2031-03-02	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101)	2026-03-03	2031-03-02	1,616		member approved 2026-03-09
Municipal Authority of Westmoreland County	Special District	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
New Florence Borough and St. Clair Sewage Authority	Water/Sewer Authority	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Westmoreland Intermediate Unit	Special District	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	Westmoreland County Hazard Mitigation Plan (FEMA plan 109101), pending adoption here	2026-03-03 by FEMA; not yet adopted here	2031-03-02 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)

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	EAL agriculture	EAL population equivalence	EAL total (see note)	Storm Events records since 1996	Evidence for an omission	Storm Events coverage note
				<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>statistical value of life and injury, \$13.7M per life, not property damage</i>	<i>modeled dollars per year</i>	<i>count</i>	<i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	
1	Inland Flooding	Relatively High	Relatively High	\$65,457,770	\$12,964	\$447,695	\$65,918,429	345		

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
2	Strong Wind	Relatively High	Relatively High	\$464,476	\$2,590	\$1,766,400	\$2,233,466	922		Includes 43 High Wind records and 13 Strong Wind records, event types the NRI definition of this hazard leaves out.
3	Lightning	Relatively High	Relatively High	\$46,986		\$2,152,857	\$2,199,844	13		
4	Tornado	Relatively Low	Relatively Low	\$1,302,577	\$1,367	\$323,632	\$1,627,576	27		
5	Hail	Relatively Moderate	Relatively Moderate	\$1,351,564	\$2,998	\$6,514	\$1,361,076	249		
6	Earthquake	Relatively Low	Relatively Low	\$844,928		\$274,227	\$1,119,156			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
7	Heat Wave	Relatively Low	Relatively Low	\$1	\$7	\$622,174	\$622,183	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
8	Hurricane	Relatively Low	Relatively Low	\$501,168	\$56,160	\$22,348	\$579,676	0		Declared 3 times; no Storm Events record of this type.
9	Cold Wave	Very Low	Relatively Low	\$3,361	\$25,188	\$135,260	\$163,809	17		
10	Ice Storm	Relatively Moderate	Relatively Moderate	\$54,603		\$107,117	\$161,719	19		
11	Winter Weather	Relatively Moderate	Relatively Moderate	\$11,288	\$12	\$131,600	\$142,900	130		
12	Landslide	Relatively Moderate	Relatively Low	\$44,642		\$27,290	\$71,932	1		
13	Wildfire	Very Low	Very Low	\$56,639	\$16	\$7,274	\$63,930	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	Drought	Very Low	Very Low		\$13,452		\$13,452	6		
15	Avalanche	Very Low	Very Low	\$0		\$369	\$369	0		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.

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
	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 113
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 113
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	113 of 113
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	11 of 113
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.	113 of 113
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	113 of 113
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	113 of 113
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.	113 of 113
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	113 of 113
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.	113 of 113
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.	113 of 113
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	113 of 113
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	113 of 113
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.	113 of 113
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 113
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 113
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.	109 of 113
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	113 of 113

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	17, 2009 to 2026 (17 zone-level)	1 day to 3 days (median 2 days); 17 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.
Drought	US Drought Monitor D-scale	6, 1999 to 2024 (6 zone-level)	30 days to 61 days (median 40 days); 3 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)	294, 1962 to 2026	0.75 in to 2.5 in (median 1 in); 294 with a recorded value	2.5 in hail, 1984-04-14	Hail, 2022-11-27, \$1,200,000 property; \$0 crops (2022 dollars)	Event records naming member places: Greensburg city (20 records), Loyalhanna township (14 records), Irwin borough (11 records), Mount Pleasant borough (11 records), Mount Pleasant township (11 records), New Kensington city (8 records), North Irwin borough (7 records), Ligonier borough (6 records), Ligonier township (6 records), Lower Burrell city (5 records); and 15 more member places (see the XLSX file).	
Excessive Heat, Heat	heat index (narratives)	0					Heat index: 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
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)	19, 1996 to 2022 (19 zone- level)		Ice Storm, 2004-02-03, \$10,000 property; crops not reported, reported for the zone (2004 dollars); Storm Events area WESTMORELAND (legacy zone code PAZ030), 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.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	345, 1996 to 2025 (23 zone- level)		Flash Flood, 2009-06-17, \$9,000,000 property; \$0 crops (2009 dollars)		Event records naming member places: Greensburg city (14 records), Loyalhanna township (9 records), New Kensington city (9 records), Ligonier borough (8 records), Ligonier township (8 records), Murrys ville municipality (7 records), Avonmore borough (6 records), East Vandergrift borough (6 records), Mount Pleasant borough (6 records), Mount Pleasant township (6 records); and 20 more member places (see the XLSX file). Zone-level records (23) 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)	1, 2013 to 2013		No damage reported in 1 records.		No event record names a member place.	Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	13, 1996 to 2024		Lightning, 2019-06-13, \$0 property; \$0 crops (2019 dollars), 2 direct deaths	Lightning, 2024-05-08, \$50,000 property; \$0 crops (2024 dollars)	Event records naming member places: Derry borough (1 record), Derry township (1 record), Donegal borough (1 record), Donegal township (1 record), Greensburg city (1 record), Ligonier borough (1 record), Ligonier township (1 record), Mount Pleasant borough (1 record), Mount Pleasant township (1 record), New Stanton borough (1 record).	Storm Events lists lightning with damage or casualties; physical measure 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
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	56, 1996 to 2026 (56 zone-level)	35 kt (40 mph) to 65 kt (75 mph) (median 50 kt (58 mph)); 46 with a recorded value	65 kt (75 mph) estimated, High Wind, 2000-12-12; Storm Events area WESTMORELAND (legacy zone code PAZ030), zone-level: may include parts of neighboring counties	High Wind, 2024-01-09, \$250,000 property; \$0 crops, reported for the zone (2024 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	1,038, 1958 to 2026	30 kt (35 mph) to 95 kt (109 mph) (median 50 kt (58 mph)); 764 with a recorded value	95 kt (109 mph), measurement type not recorded, Thunderstorm Wind, 1974-11-20	Thunderstorm Wind, 2024-06-26, \$1,000,000 property; \$0 crops (2024 dollars)	Event records naming member places: Greensburg city (75 records), Ligonier borough (29 records), Ligonier township (29 records), Murrysburg municipality (26 records), New Kensington city (22 records), Derry borough (21 records), Derry township (21 records), Mount Pleasant borough (18 records), Mount Pleasant township (18 records), Delmont borough (17 records); and 22 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	50, 1954 to 2026	F/EF0 to F/EF4 (median F/EF1); 49 with a recorded value	F4 tornado, 1980-06-03, 7.6 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)		Event records naming member places: Donegal borough (2 records), Donegal township (2 records), Greensburg city (2 records), Irwin borough (2 records), Derry borough (1 record), Derry township (1 record), Jeannette city (1 record), Lower Burrell city (1 record), Manor borough (1 record), Murrysburg municipality (1 record); and 2 more member places (see the XLSX file).	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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	130, 1996 to 2026 (130 zone-level)		Winter Storm, 1999-01-02, \$100,000 property; crops not reported, reported for the zone (1999 dollars); Storm Events area WESTMORELAND (legacy zone code PAZ030), 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 20 Counted incidents 16

Plan 109101 was approved by FEMA on 2026-03-03 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
2020-03-30	2020-01-20	DR-4506-PA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$5,773,902.79		
2020-03-13	2020-01-20	EM-3441-PA	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4506
2016-03-23	2016-01-22	DR-4267-PA	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$1,076,533.66		
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	\$1,981,956.69		
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	\$1,097,515.64		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
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		
2003-03-14	2003-02-14	EM-3180-PA	Emergency	SNOW	Winter Weather	\$450,364.70		
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		
1985-11-09	1985-11-03	DR-754-PA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	PA not declared for this county		
1984-08-27	1984-08-27	DR-721-PA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	PA not declared for this county		
1980-06-13	1980-06-13	EM-3081-PA	Emergency	SEVERE STORMS & TORNADOES	Tornado	PA not declared for this county		
1977-07-21	1977-07-21	DR-537-PA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1977-01-29	1977-01-29	EM-3026-PA	Emergency	SNOWSTORMS	Winter Weather	none found		
1972-06-23	1972-06-23	DR-340-PA	Major disaster	TROPICAL STORM AGNES	Inland Flooding (primary); also designated: Hurricane	none found		
1971-09-18	1971-09-18	DR-312-PA	Major disaster	FLOODS	Inland Flooding	none found		

School districts and special districts in this county: \$62,132.63 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan members in this county. They are not shown as member blocks, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county); do not add this line to the county total.

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		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
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)

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	17			4	0		1996 to 2026-06-30	
Drought	6			4	0		1996 to 2026-06-30	
Earthquake	0			0	0			No Storm Events record; local data required (e.g., USGS).
Hail	294			39	0		1955 to 2026-06-30	
Heat Wave	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Hurricane	0			0	3		1996 to 2026-06-30	No Storm Events records of this type; 3 federal declared incidents (see declarations table)
Ice Storm	19			2	0		1996 to 2026-06-30	
Inland Flooding	345			35	6		1996 to 2026-06-30	
Landslide	1			0	0		1996 to 2026-06-30	
Lightning	13			2	0		1996 to 2026-06-30	
Strong Wind	1,094			229	0		1955 to 2026-06-30	Includes 43 High Wind records and 13 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	50			9	1		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

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
Winter Weather	130			32	7		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
2025-01-20	Cold/Wind Chill		\$0 property; \$0 crops, reported for the zone (2025 dollars)	0, 0	NWS zone PAZ073 (WESTMORELAND), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2019-06-13	Lightning		\$0 property; \$0 crops (2019 dollars)	2, 0	WELTYTOWN		deaths or injuries recorded
2009-06-17	Flash Flood		\$9,000,000 property; \$0 crops (2009 dollars)	0, 0	MURRYSVILLE to NEW DERRY		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2004-02-03	Ice Storm		\$10,000 property; crops not reported, reported for the zone (2004 dollars)	0, 0	Storm Events area WESTMORELAND (legacy zone code PAZ030), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm
2002-05-12	Thunderstorm Wind	65 kt (75 mph) estimated	\$100,000 property; crops not reported (2002 dollars)	1, 2	COUNTYWIDE		deaths or injuries recorded
2000-12-12	High Wind	65 kt (75 mph) estimated	\$50,000 property; crops not reported, reported for the zone (2000 dollars)	0, 0	Storm Events area WESTMORELAND (legacy zone code PAZ030), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
1999-08-01	Drought		damage not reported	0, 0	Storm Events area WESTMORELAND (legacy zone code PAZ030), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
1999-01-02	Winter Storm		\$100,000 property; crops not reported, reported for the zone (1999 dollars)	0, 0	Storm Events area WESTMORELAND (legacy zone code PAZ030), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
1984-04-14	Hail	2.5 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail
1980-06-03	Tornado	F4, 7.6 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, 0	location not recorded		B1-c worst recorded: Tornado
1976-07-11	Tornado	F3, 11.8 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 67 yd wide	\$2,500,000 property; crops not recorded (1976 dollars)	1, 17	location not recorded		deaths or injuries recorded

Direct deaths, injuries						
Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	<i>indirect not counted</i>	Location	Flags
1974-11-20	Thunderstorm Wind	95 kt (109 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded	B1-c worst recorded: Thunderstorm Wind

The full list is in the XLSX file, sheet "B1-d Storm Events history" (1,969 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	3.44	event-days per year	about 3.44 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	65.3	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 3.44 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 8 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	0.0987	event-days per year	about 0.0987 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	21	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	

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
Earthquake	0.000508	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0508%			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	2.66	events per year	about 2.66 per year	Highly likely	FEMA annualized frequency (modeled)	101.0 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.45	event-days per year	about 1.45 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	27.9	2005-11-12 to 2024-11-12 (19 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Hurricane	0.0324	events per year	about 1 in 31 years	Possible	FEMA annualized frequency (modeled)	14	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	0.351	event-days per year	about 0.351 days per year	Likely	event-days in 12 of 30 years, 1996 to 2025 (40%)	24	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	4.82	event-days per year	about 4.82 days per year	Highly likely	event-days in 30 of 30 years, 1996 to 2025 (100%)	135	1996 to 2023 (28 years)	see B1-f	
Landslide	1.67	events per year (modeled)	about 1.67 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	42.4	days per year with a strike	about 42.4 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.41	events per year	about 2.41 per year	Highly likely	FEMA annualized frequency (modeled)	92	1986 to 2023 (38 years)	countywide	
Tornado	0.344	events per year	about 1 in 3 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	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
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	0.0000474	annual probability at a location	chance a given location in the county burns in a year: 0.00474%		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	17.6	event-days per year	about 17.6 days per year	Highly likely	event-days in 28 of 30 years, 1996 to 2025 (93.3%)	334	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

Unit	Descriptor	Definition
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	125	30	4.17
Hail	2.00 in+	1996 to 2025	3	30	0.1
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	693	30	23.1
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	13	30	0.433
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	126	30	4.2
Tornado	EF0-1	1996 to 2025	22	30	0.733
Tornado	EF2-3	1996 to 2025	4	30	0.133
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 113	29.1	32.9	34.4	Very Low 9, Not Applicable 104	
Coastal Flooding	0 of 113				Not Applicable 113	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Cold Wave	113 of 113	16.1	17.0	20.1	Relatively Low 3, Very Low 110	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	11 of 113	67.6	75.8	86.2	Relatively Low 4, Very Low 7, No Rating 102	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	113 of 113	5.8	24.4	55.6	Relatively Low 7, Very Low 106	
Hail	113 of 113	31.3	58.7	75.0	Relatively Moderate 7, Relatively Low 101, Very Low 5	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	113 of 113	2.4	6.1	17.2	Relatively Low 1, Very Low 112	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	113 of 113	31.2	46.3	54.9	Relatively Low 12, Very Low 101	
Ice Storm	113 of 113	3.0	18.5	37.7	Relatively Low 4, Very Low 109	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	113 of 113	0.9	41.4	93.3	Relatively High 10, Relatively Moderate 35, Relatively Low 50, Very Low 18	
Landslide	113 of 113	17.7	83.7	97.8	Relatively Moderate 4, Relatively Low 58, Very Low 51	
Lightning	113 of 113	26.3	63.4	89.0	Relatively High 17, Relatively Moderate 78, Relatively 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.
Strong Wind	113 of 113	21.8	51.9	76.8	Relatively Moderate 48, Relatively Low 65	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	113 of 113	7.0	26.3	38.8	Relatively Low 26, Very Low 87	
Tsunami	0 of 113				Not Applicable 113	
Volcanic Activity	0 of 113				Not Applicable 113	
Wildfire	109 of 113	19.2	54.1	80.0	Relatively Low 10, Very Low 99, No Rating 4	
Winter Weather	113 of 113	20.6	33.8	56.2	Relatively Moderate 4, Relatively Low 109	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
Westmoreland County	County	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible		\$434,303.06	0; no approved plan	No NFIP community ID on this member's plan row. Includes \$367,954.61 for declarations not counted as hazard incidents (DR-4506-PA).
Avonmore borough	Organized Borough	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 1	\$22,384.68	14; 0	
Bolivar borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$3,777.43	2; no approved plan	
Delmont borough	Organized Borough	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	\$9,085.38	24; 0	
Derry borough	Organized Borough	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	\$23,399.96	29; 0	
Donegal borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$1,016.78	22; no approved plan	
East Vandergrift borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$7,444.89	10; no approved plan	
Export borough	Organized Borough	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	\$7,135.57	12; 0	
Greensburg city	City	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 5	\$121,188.99	112; 3	
Hunker borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	7; no approved plan	
Irwin borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$40,765.11	23; no approved plan	
Jeannette city	City	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 3	\$63,465.20	2; 0	
Ligonier borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 1, SRL 1; any 7	\$55,823.40	44; no approved plan	

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
Lower Burrell city	City	Approved, expires 2031-03-02	FMA RL 1, SRL 0; any 1	\$205,617.45	21; 0	
Manor borough	Organized Borough	Approved, expires 2031-03-02	FMA RL 1, SRL 0; any 2	\$20,330.41	12; 0	
Mount Pleasant borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$82,058.81	36; no approved plan	
Murrysville municipality	Municipality	Approved, expires 2031-03-02	FMA RL 1, SRL 1; any 13	\$125,787.69	39; 0	
New Kensington city	City	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 3	\$127,113.11	39; no approved plan	
New Stanton borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$7,613.34	14; no approved plan	
North Irwin borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$21,500.71	24; no approved plan	
Oklahoma borough	Organized Borough	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	none found	3; 0	
Penn borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$3,768.43	6; no approved plan	
Scottdale borough	Organized Borough	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	\$28,103.33	17; 1	
Smithton borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$3,536.54	7; no approved plan	
South Greensburg borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$31,832.28	9; no approved plan	Includes \$6,370.67 for declarations not counted as hazard incidents (DR-4506-PA).
Southwest Greensburg borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$18,546.42	0; no approved plan	

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>	
Sutersville borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 3	\$6,652.55	0; no approved plan	
Trafford borough	Organized Borough	Plan 111350 approved 2026-04-22, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 2	\$31,542.87	9; no approved plan	
West Leechburg borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	3; no approved plan	
West Newton borough	Organized Borough	Approved, expires 2031-03-02	FMA RL 0, SRL 1; any 6	\$47,505.47	25; 1	
Youngwood borough	Organized Borough	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$25,680.53	0; no approved plan	
Allegheny township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 3	\$343,304.02	0; 0	
Cook township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 3	\$21,389.39	0; 0	
Derry township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 1	\$58,527.26	29; 0	
Donegal township	Township	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$30,766.37	22; no approved plan	
Fairfield township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	\$18,698.42	0; 0	
Hempfield township	Township	Approved, expires 2031-03-02	FMA RL 1, SRL 5; any 25	\$389,706.43	1; 0	
Ligonier township	Township	Approved, expires 2031-03-02	FMA RL 2, SRL 2; any 32	\$49,831.91	44; 0	
Loyalhanna township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	none found	38; 0	
Mount Pleasant township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 1	\$72,092.92	36; 1	
North Huntingdon township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 8	\$300,525.27	1; 0	Includes \$25,786.76 for declarations not counted as hazard incidents (DR-4506-PA).

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
Penn township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 4	\$143,794.96	6; 0	
Salem township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	\$73,040.67	0; 0	
Sewickley township	Township	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 14	\$106,547.78	0; no approved plan	
South Huntingdon township	Township	Plan 109101 approved 2026-03-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 3	\$57,277.45	0; no approved plan	
Unity township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 1; any 15	\$209,134.99	0; 0	
Upper Burrell township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 2	\$231,899.96	0; 0	
Washington township	Township	Approved, expires 2031-03-02	FMA RL 0, SRL 0; any 0	\$53,167.61	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.

Plan 109101 was approved by FEMA on 2026-03-03 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	\$0		under 1	\$0		\$369					building exposure is 0 in NRI
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$90,137,358,146	\$85,397,865	354,424	\$3,361	\$25,188	\$135,260	under 0.0001%				
Drought		\$4,580,142			\$13,452		0.294% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$157,157,815,934		354,663	\$844,928		\$274,227	0.000538%				
Hail	\$90,137,358,146	\$85,397,865	354,424	\$1,351,564	\$2,998	\$6,514	0.0015%				
Heat Wave	\$90,137,358,146	\$85,397,865	354,424	\$1	\$7	\$622,174	under 0.0001%				
Hurricane	\$90,059,896,617	\$85,239,597	354,025	\$501,168	\$56,160	\$22,348	0.000556%				
Ice Storm	\$90,125,076,775		354,347	\$54,603		\$107,117	under 0.0001%				
Inland Flooding	\$90,079,793,586	\$1,887,462	7,320	\$65,457,770	\$12,964	\$447,695	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	\$8,825,404,897		36,206	\$44,642		\$27,290	0.000506%				
Lightning	\$90,137,358,146		354,424	\$46,986		\$2,152,857	under 0.0001%				
Strong Wind	\$90,137,358,146	\$85,397,865	354,424	\$464,476	\$2,590	\$1,766,400	0.000515%				
Tornado	\$90,137,358,146	\$85,397,865	354,424	\$1,302,577	\$1,367	\$323,632	0.00145%				
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$29,998,033,259	\$37,363,925	118,462	\$56,639	\$16	\$7,274	0.000189%				
Winter Weather	\$90,137,358,146	\$85,397,865	354,424	\$11,288	\$12	\$131,600	under 0.0001%				

Totals since the plan: not available. Plan 109101 was approved by FEMA on 2026-03-03 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	354,424
Building value (total, not at risk)	\$90,137,358,146
Agriculture value (total, not at risk)	\$85,397,865
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$70,254,758
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)	\$6,024,758
Social vulnerability rating	Relatively Low
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)	7	Severe repetitive loss, FMA definition (44 CFR 77.2)	15
Repetitive loss, NFIP insurance definition	169	Severe repetitive loss, NFIP insurance definition	12

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	7	15	169	12	171	1	59
ALLEGHENY, TOWNSHIP OF	0	0	3	0	3	0	0
AVONMORE, BOROUGH OF	0	0	1	0	1	0	0
GREENSBURG, CITY OF	0	0	5	0	5	0	0
HEMPFIELD, TOWNSHIP OF	1	5	25	5	25	0	14
JEANNETTE, CITY OF	0	0	3	0	3	0	0
LATROBE, BOROUGH OF (community ID not in plan data)	0	0	4	0	4	0	0
LIGONIER, TOWNSHIP OF	2	2	31	1	32	1	5
LOWER BURRELL, CITY OF	1	0	1	0	1	0	0
MANOR, BOROUGH OF	1	0	2	0	2	0	0
MONESSEN, CITY OF (community ID not in plan data)	0	0	1	0	1	0	0
MT. PLEASANT, TOWNSHIP OF	0	0	1	0	1	0	0
NEW KENSINGTON, CITY OF	0	0	3	0	3	0	0
NORTH HUNTINGDON, TOWNSHIP OF	0	0	8	0	8	0	3
PENN, BOROUGH OF	0	0	1	0	1	0	0
SOUTH GREENSBURG, BOROUGH OF	0	0	1	0	1	0	1
SOUTHWEST GREENSBURG, BORO OF	0	0	1	0	1	0	0
SUTERSVILLE, BOROUGH OF	0	1	3	1	3	0	2
TRAFFORD, BOROUGH OF	0	1	2	0	2	0	1
WEST NEWTON, BOROUGH OF	0	1	6	1	6	0	5
UNITY, TOWNSHIP OF	0	1	15	1	15	0	3
DERRY, TOWNSHIP OF	0	0	1	0	1	0	0
MURRYSVILLE, MUNICIPALITY OF	1	1	13	1	13	0	6
LIGONIER, BOROUGH OF	1	1	7	1	7	0	2
PENN, TOWNSHIP OF	0	0	4	0	4	0	3
ROSTRAVER, TOWNSHIP OF (community ID not in plan data)	0	1	5	1	5	0	1
COOK, TOWNSHIP OF	0	0	3	0	3	0	2
EAST HUNTINGDON,TOWNSHIP OF (community ID not in plan data)	0	0	1	0	1	0	0
SEWICKLEY, TOWNSHIP OF	0	1	13	0	14	0	8
SOUTH HUNTINGDON, TOWNSHIP OF	0	0	3	0	3	0	2
UPPER BURRELL, TOWNSHIP OF	0	0	2	0	2	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)

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
Avonmore borough	420872	0	0	1	0	1	0	0	
Bolivar borough	420873	0	0	0	0	0	0	0	
Delmont borough	422177	0	0	0	0	0	0	0	
Derry borough	420874	0	0	0	0	0	0	0	
Donegal borough	422661	0	0	0	0	0	0	0	
East Vandergrift borough	420875	0	0	0	0	0	0	0	
Export borough	420876	0	0	0	0	0	0	0	
Greensburg city	420877	0	0	5	0	5	0	0	
Hunker borough	420880	0	0	0	0	0	0	0	
Irwin borough	420881	0	0	0	0	0	0	0	
Jeannette city	420882	0	0	3	0	3	0	0	
Ligonier borough	422180	1	1	7	1	7	0	2	
Lower Burrell city	420885	1	0	1	0	1	0	0	
Manor borough	420886	1	0	2	0	2	0	0	
Mount Pleasant borough	422181	0	0	0	0	0	0	0	
Murrysville municipality	421207	1	1	13	1	13	0	6	
New Kensington city	420891	0	0	3	0	3	0	0	
New Stanton borough	420892	0	0	0	0	0	0	0	
North Irwin borough	422641	0	0	0	0	0	0	0	
Oklahoma borough	422631	0	0	0	0	0	0	0	
Penn borough	420895	0	0	1	0	1	0	0	
Scottdale borough	420896	0	0	0	0	0	0	0	
Smithton borough	420899	0	0	0	0	0	0	0	
South Greensburg borough	420900	0	0	1	0	1	0	1	
Southwest Greensburg borough	420901	0	0	1	0	1	0	0	
Sutersville borough	420902	0	1	3	1	3	0	2	
Trafford borough	420903	0	1	2	0	2	0	1	
West Leechburg borough	420905	0	0	0	0	0	0	0	
West Newton borough	420906	0	1	6	1	6	0	5	
Youngwood borough	420908	0	0	0	0	0	0	0	
Allegheny township	420869	0	0	3	0	3	0	0	
Cook township	422186	0	0	3	0	3	0	2	
Derry township	421205	0	0	1	0	1	0	0	

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
Donegal township	422187	0	0	0	0	0	0	0	
Fairfield township	422189	0	0	0	0	0	0	0	
Hempfield township	420878	1	5	25	5	25	0	14	
Ligonier township	420884	2	2	31	1	32	1	5	
Loyalhanna township	422190	0	0	0	0	0	0	0	
Mount Pleasant township	420888	0	0	1	0	1	0	0	
North Huntingdon township	420893	0	0	8	0	8	0	3	
Penn township	422183	0	0	4	0	4	0	3	
Salem township	422192	0	0	0	0	0	0	0	
Sewickley township	422193	0	1	13	0	14	0	8	
South Huntingdon township	422194	0	0	3	0	3	0	2	
Unity township	420964	0	1	15	1	15	0	3	
Upper Burrell township	422195	0	0	2	0	2	0	1	
Washington township	422196	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	4	10	131	7	133	1	51
2 to 4 unit residential	0	1	9	1	9	0	1
other residential	0	1	5	1	5	0	2
non-residential	3	3	24	3	24	0	5
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 fmaRL field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRl) 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 163 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_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

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).

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.

Reuse, citation and corrections

Reuse and citation: Hazard Plain text and tables are licensed under Creative Commons Attribution 4.0 International (CC BY 4.0, <https://creativecommons.org/licenses/by/4.0/>); credit Hazard Plain and the release. The underlying federal data are public domain; OpenFEMA data are also subject to the OpenFEMA terms and conditions.

Cite this: Hazard Plain (2026). Westmoreland County, PA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 42129). Preview: automated baseline. Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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_42129. Preview: automated baseline.