

Washington County, PA

Risk-assessment baseline packet

County FIPS: 42125 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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

Summary

Plan status as of 2026-09-30: No county-level plan row in FEMA data.

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$51,487,650 a year), Tornado (\$1,420,372) and Lightning (\$1,257,839).

The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.

NRI: FEMA's National Risk Index (version 1.20, December 2025).

NFIP: National Flood Insurance Program.

RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).

FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.

PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.

Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.

County-coded: NOAA logged the event to this county.

FIPS: the federal code for a place; 42125 is this area.

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

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

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

CFR: Code of Federal Regulations.

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

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

CONTENTS

- 1. Summary and terms used, page 1
- 2. Plan clock, page 2
- 3. What changed since your last plan, page 2
- 4. B1-a: hazard identification, page 7
- 5. B1-b: hazard location, page 9
- 6. B1-c: hazard extent, page 9
- 7. B1-d: previous occurrences, page 12
- 8. B1-e: probability of future events, page 15
- 9. B1-f: hazards that vary across jurisdictions, page 18
- 10. B2-a and B2-b: vulnerability and potential impacts, page 24
- 11. B2-a: vulnerability (county context), page 25
- 12. B2-c: repetitive loss properties, page 26
- 13. Sources, what the plan adds, disclaimer and citation, page 30

Plan clock

No county-level plan row in FEMA data

What changed since your last plan

Not available. No county-level plan row in FEMA data, so there is no approval date to count from.

Sources: 1, 2, 4, 6 (numbered list at the end)

Plan status for every jurisdiction listed in this county: 67 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Allenport borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Beallsville borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Bentleyville borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Burgettstown borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
California borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Canonsburg borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Centerville borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Charleroi borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Claysville borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Coal Center borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cokeburg borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Deemston borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 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 <i>negative = days since expiry</i>	Update underway	Notes
Donora borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Dunlevy borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
East Washington borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Elco borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Ellsworth borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Finleyville borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Green Hills borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Houston borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Long Branch borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Marianna borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
McDonald borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Midway borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Monongahela city	City	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
New Eagle borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
North Charleroi borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Roscoe borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Speers borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Stockdale borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Twilight borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Washington city	City	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
West Alexander CDP	Unincorporated	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Brownsville borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
West Middletown borough	Organized Borough	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Amwell township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Blaine township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Buffalo township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Canton township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Carroll township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Cecil township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Chartiers township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Cross Creek township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Donegal township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
East Bethlehem township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
East Finley township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Fallowfield township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Hanover township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Hopewell township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Independence township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Jefferson township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Morris township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Mount Pleasant township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
North Bethlehem township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
North Franklin township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
North Strabane township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Nottingham township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Peters township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
Robinson township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Smith township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Somerset township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
South Franklin township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
South Strabane township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Union township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	Washington County Hazard Mitigation Plan (FEMA plan 101476), pending adoption here	2022-03-07 by FEMA; not yet adopted here	2027-03-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Bethlehem township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
West Finley township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	
West Pike Run township	Township	Approved, expires 2027-03-06	Washington County Hazard Mitigation Plan (FEMA plan 101476)	2022-03-07	2027-03-06	157	FEMA tracker shows a plan in progress	

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- dam failure (incl. upstream dams)
- levee failure
- flash flood as its own subtype
- ice jams
- debris flows
- erosion (riverine and coastal)
- land subsidence and sinkholes
- expansive soils

The 18 National Risk Index hazards, ranked by expected annual loss (EAL)

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$50,919,905	\$568	\$567,177	\$51,487,650	215	
2	Tornado	Relatively Low	Relatively Low	\$978,113	\$797	\$441,462	\$1,420,372	19	
3	Lightning	Relatively High	Relatively High	\$65,762	n/a	\$1,192,077	\$1,257,839	8	
4	Hail	Relatively Moderate	Relatively Moderate	\$1,154,912	\$2,486	\$18,730	\$1,176,128	139	
5	Earthquake	Very Low	Relatively Low	\$383,154	n/a	\$119,735	\$502,889		Storm Events does not record earthquakes.

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
6	Strong Wind	Relatively Low	Relatively Low	\$243,753	\$2,508	\$162,147	\$408,408	588	Includes 21 High Wind and 10 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
7	Heat Wave	Relatively Low	Relatively Low	\$1	\$2,128	\$385,540	\$387,669	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
8	Hurricane	Relatively Low	Relatively Low	\$205,139	\$21,455	\$9,326	\$235,920	0	Declared 4 times; no Storm Events record of this type.
9	Ice Storm	Relatively Low	Relatively Moderate	\$38,968	n/a	\$97,225	\$136,193	8	
10	Landslide	Relatively Moderate	Relatively Low	\$47,837	n/a	\$72,744	\$120,581	1	
11	Drought	Relatively Low	Relatively Low	n/a	\$118,236	n/a	\$118,236	5	
12	Cold Wave	Very Low	Very Low	\$1,779	\$10,008	\$53,062	\$64,849	11	
13	Wildfire	Very Low	Very Low	\$36,372	\$13	\$6,176	\$42,561	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Winter Weather	Very Low	Relatively Low	\$10,876	\$4	\$8,546	\$19,426	59	
15	Avalanche	Very Low	Very Low	\$0	n/a	\$14	\$14	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local wildfire records (Storm Events records this hazard only in part).

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

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 7922 (Very Low, 6.5); tract 7921 (Very Low, 5.9); tract 7910 (Very Low, 5.7)
Earthquake	tract 7041 (Relatively Low, 44.8); tract 7527 (Relatively Low, 41.3); tract 7711 (Very Low, 38.2)
Hurricane	tract 7610 (Relatively Low, 52.0); tract 7958 (Very Low, 51.1); tract 7551 (Very Low, 51.0)
Landslide	tract 7960 (Relatively Moderate, 99.1); tract 7310 (Relatively Moderate, 98.5); tract 7557 (Relatively Moderate, 97.6)
Tornado	tract 7958 (Relatively Low, 45.9); tract 7551 (Relatively Low, 45.8); tract 7747 (Relatively Low, 44.9)
Wildfire	tract 7711 (Relatively Low, 73.5); tract 7463.02 (Relatively Low, 71.9); tract 7452 (Relatively Low, 71.8)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 7922 is Census Tract 7922). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	0					
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	11 records, 2009 to 2026 (11 zone-level)	1 day to 3 days (median 2 days); 11 with a recorded value	3 consecutive days, 2025-01-20 to 2025-01-22, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Drought	U.S. Drought Monitor scale (D0 to D4)	5 records, 1999 to 2024 (5 zone-level)	12 days to 61 days (median 22.5 days); 4 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		Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	156 records, 1970 to 2026	0.75 in to 3 in (median 1 in); 156 with a recorded value	3 in hail, 2023-08-12		Event records naming jurisdictions in the plan: Washington city (15 records), Canonsburg borough (5 records), Cecil township (5 records), Charleroi borough (4 records), Claysville borough (4 records), Finleyville borough (4 records), California borough (3 records), Donora borough (3 records), Ellsworth borough (3 records), Monongahela city (3 records); and 13 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	0					
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	8 records, 1997 to 2012 (8 zone-level)		No damage reported in 8 records.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	215 records, 1996 to 2025 (20 zone-level)		Flood, 2004-09-17, \$5,130,000 property; crops not reported (2004 dollars); NWS zone PAZ029		Event records naming jurisdictions in the plan: Washington city (19 records), Bentleyville borough (7 records), Burgettstown borough (6 records), Monongahela city (6 records), Ellsworth borough (5 records), Charleroi borough (4 records), Claysville borough (4 records), West Brownsville borough (4 records), Beallsville borough (3 records), California borough (3 records); and 20 more jurisdictions (see the Excel file). Zone-level records (20) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	1 record, 2020		No damage reported in 1 record.		No event record names a jurisdiction in the plan.	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	8 records, 1996 to 2011		Lightning, 1996-06-24, \$20,000 property; crops not reported (1996 dollars)		Event records naming jurisdictions in the plan: Canonsburg borough (2 records), California borough (1 record), South Strabane township (1 record), Washington city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	31 records, 1996 to 2026 (31 zone-level)	35 kt (40 mph) to 60 kt (69 mph) (median 50 kt (58 mph)); 27 with a recorded value	60 kt (69 mph), measurement type not recorded, High Wind, 1999-01-18; NWS zone PAZ029	High Wind, 2008-09-14, \$150,000 property; \$0 crops (zone total, 2008 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	647 records, 1961 to 2026	40 kt (46 mph) to 80 kt (92 mph) (median 50 kt (58 mph)); 470 with a recorded value	80 kt (92 mph) measured gust, Thunderstorm Wind, 2005-07-25	Thunderstorm Wind, 2023-08-12, \$250,000 property; crops not reported (2023 dollars)	Event records naming jurisdictions in the plan: Washington city (44 records), Canonsburg borough (25 records), Claysville borough (21 records), Burgettstown borough (17 records), Charleroi borough (14 records), Finleyville borough (12 records), Cecil township (10 records), Donora borough (10 records), Beallsville borough (7 records), Bentleyville borough (7 records); and 28 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	25 records, 1973 to 2026	F/EF0 to F/EF2 (median F/EF1); 25 with a recorded value	EF2 tornado, 2021-10-21, 15.67 mi within this county, 700 yd wide, \$7,500,000 property; crops not reported (2021 dollars)		Event records naming jurisdictions in the plan: Deemston borough (2 records), Buffalo township (1 record), Canonsburg borough (1 record), Cokeburg borough (1 record), Donora borough (1 record), Finleyville borough (1 record), Independence township (1 record), Marianna borough (1 record), West Brownsville borough (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	59 records, 1996 to 2026 (59 zone-level)		No damage reported in 59 records.		Countywide (zone-level records).	

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

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

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records from zones that no NWS zone-county file places in this county (mostly before 2020) are not counted here (the Methods page explains the zone matching).

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 14 declarations covering 11 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

No county-level plan row in FEMA data, so there is no approval date to count from.

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2020-03-30	2020-01-20	DR-4506-PA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$205,084.47	
2020-03-13	2020-01-20	EM-3441-PA	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	same incident as DR-4506
2012-10-29	2012-10-26	EM-3356-PA	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded	
2005-09-10	2005-08-29	EM-3235-PA	Emergency	Hurricane Katrina	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded	
2004-09-19	2004-09-17	DR-1557-PA	Major disaster	Tropical Depression Ivan	Hurricane	\$2,475,574.36	
2004-09-19	2004-09-08	DR-1555-PA	Major disaster	Severe Storms and Flooding Associated with Tropical Depression Frances	Hurricane; Inland Flooding	PA not declared for this county	
2003-03-14	2003-02-14	EM-3180-PA	Emergency	Snow	Winter Weather	\$331,776.71	
1996-01-21	1996-01-19	DR-1093-PA	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded	
1996-01-13	1996-01-06	DR-1085-PA	Major disaster	Blizzard of 96	Winter Weather	no Public Assistance recorded	
1994-03-10	1994-01-04	DR-1015-PA	Major disaster	Severe Winter Storms	Winter Weather	no Public Assistance recorded	
1993-03-16	1993-03-13	EM-3105-PA	Emergency	Severe Snowfall & Winter Storm	Winter Weather	no Public Assistance recorded	
1985-11-09	1985-11-03	DR-754-PA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1977-01-29	1977-01-29	EM-3026-PA	Emergency	Snowstorms	Winter Weather	no Public Assistance recorded	
1972-06-23	1972-06-23	DR-340-PA	Major disaster	Tropical Storm Agnes	Inland Flooding (primary); also designated: Hurricane	no Public Assistance recorded	

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
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, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval records	In the 12 months before plan approval records	Last 5 years records	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	11			3	0		1996 to 2026-06-30	
Drought	5			3	0		1996 to 2026-06-30	
Earthquake	0			0	0			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	156			40	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	4		1996 to 2026-06-30	No Storm Events records of this type; 4 federal declared incidents (see declarations table)
Ice Storm	8			0	0		1996 to 2026-06-30	
Inland Flooding	215			42	4		1996 to 2026-06-30	
Landslide	1			0	0		1996 to 2026-06-30	
Lightning	8			0	0		1996 to 2026-06-30	
Strong Wind	678			130	0		1955 to 2026-06-30	Includes 21 High Wind and 10 Strong Wind records.

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Tornado	25			15	0		1950 to 2026-06-30	
Wildfire	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	59			19	5		1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2025-01-20	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2025 dollars)	0, 0	NWS zone PAZ029 (WASHINGTON), zone-level	within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2023-08-12	Hail	3 in	\$20,000 property; \$5,000 crops (2023 dollars)	0, 0	CLAYSVILLE	within last 5 years	B1-c worst recorded: Hail
2021-10-21	Tornado	EF2, 15.67 mi within this county, 700 yd wide	\$7,500,000 property; crops not reported (2021 dollars)	0, 0	INDEPENDENCE to CANONSBURG	within last 5 years	B1-c worst recorded: Tornado
2008-09-14	High Wind	50 kt (58 mph) estimated gust	\$150,000 property; \$0 crops (zone total, 2008 dollars)	0, 0	NWS zone PAZ029 (WASHINGTON), zone-level		B1-c most damaging: High Wind and Strong Wind
2005-07-25	Thunderstorm Wind	80 kt (92 mph) measured gust	\$80,000 property; crops not reported (2005 dollars)	0, 0	WEST ALEXANDER		B1-c worst recorded: Thunderstorm Wind
2004-09-17	Flood		\$5,130,000 property; crops not reported (zone total, 2004 dollars)	0, 0	NWS zone PAZ029 (WASHINGTON), zone-level		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1999-08-01	Drought		damage not reported	0, 0	NWS zone PAZ029 (WASHINGTON), zone-level		B1-c worst recorded: Drought
1999-03-09	Heavy Snow		damage not reported	0, 2	NWS zone PAZ029 (WASHINGTON), zone-level		deaths or injuries recorded
1999-01-18	High Wind	60 kt (69 mph), measurement type not recorded	\$25,000 property; crops not reported (zone total, 1999 dollars)	0, 0	NWS zone PAZ029 (WASHINGTON), zone-level		B1-c worst recorded: High Wind and Strong Wind
1997-05-19	Flash Flood		damage not reported	1, 0	GINGER HILL		deaths or injuries recorded
1996-06-24	Lightning		\$20,000 property; crops not reported (1996 dollars)	0, 0	CALIFORNIA		B1-c worst recorded: Lightning
1973-05-10	Tornado	F1, 2 mi path length (whole path, pre-1996), 33 yd wide	\$25,000 property; crops not recorded (1973 dollars)	0, 3	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,166 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Cold Wave	2.84	event-days per year	about 2.84 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	54	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	0.838	event-days per year	about 0.838 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	56	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000583	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0583%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	3.31	events per year	about 3.31 per year	Highly likely	FEMA annualized frequency (modeled)	125.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.95	event-days per year	about 1.95 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	36	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane	0.0271	events per year	about 1 in 37 years	Possible	FEMA annualized frequency (modeled)	8	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.478	event-days per year	about 0.478 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	33	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	3.71	event-days per year	about 3.71 days per year	Likely	Storm Events event-days in 26 of 30 years, 1996 to 2025 (86.7%)	104	1996 to 2023 (28 years)	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Landslide	2.09	events per year (modeled)	about 2.09 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	42.7	days per year with a strike	about 42.7 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.23	events per year	about 2.23 per year	Highly likely	FEMA annualized frequency (modeled)	85	1986 to 2023 (38 years)	countywide	
Tornado	0.286	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	
Wildfire	0.0000693	annual probability at a location	chance a given location in the county burns in a year: 0.00693%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	10.3	event-days per year	about 10.3 days per year	Likely	Storm Events event-days in 22 of 30 years, 1996 to 2025 (73.3%)	196	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year
events per year	Likely	about once in 1 to 10 years
events per year	Possible	about once in 10 to 100 years
events per year	Unlikely	less than once in 100 years
annual probability	Likely	10% to under 100% chance in a given year
annual probability	Possible	1% to under 10% chance in a given year
annual probability	Unlikely	under 1% chance in a given year
event-days (share of years)	Highly likely	event-days recorded in 90% or more of years
event-days (share of years)	Likely	event-days recorded in 10% to under 90% of years
event-days (share of years)	Possible	event-days recorded in some years but under 10% of years
lightning strike-days	Highly likely	cloud-to-ground strikes on 1 or more days per year

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	64	30	2.13
Hail	2.00 in+	1996 to 2025	9	30	0.3
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	439	30	14.6
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	7	30	0.233
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	95	30	3.17
Tornado	EF0-1	1996 to 2025	13	30	0.433
Tornado	EF2-3	1996 to 2025	3	30	0.1
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	3 of 62	5.7	5.9	6.5	Very Low 3, Not Applicable 59
Cold Wave	62 of 62	16.1	16.6	19.1	Very Low 62
Drought	33 of 62	67.7	80.4	92.0	Relatively Moderate 1, Relatively Low 18, Very Low 14, No Rating 29
Earthquake	62 of 62	5.5	20.4	44.8	Relatively Low 2, Very Low 60
Hail	62 of 62	39.9	65.1	81.3	Relatively Moderate 19, Relatively Low 43
Heat Wave	62 of 62	3.1	6.9	18.8	Relatively Low 1, Very Low 61
Hurricane	62 of 62	32.5	44.0	52.0	Relatively Low 1, Very Low 61
Ice Storm	62 of 62	6.9	24.6	47.7	Relatively Low 15, Very Low 47
Inland Flooding	62 of 62	5.8	57.5	98.5	Very High 1, Relatively High 14, Relatively Moderate 26, Relatively Low 16, Very Low 5
Landslide	62 of 62	31.2	85.7	99.1	Relatively Moderate 9, Relatively Low 31, Very Low 22
Lightning	62 of 62	33.5	64.9	89.8	Relatively High 8, Relatively Moderate 46, Relatively Low 8
Strong Wind	62 of 62	12.6	24.8	44.9	Relatively Low 51, Very Low 11
Tornado	62 of 62	14.2	30.8	45.9	Relatively Low 39, Very Low 23
Wildfire	62 of 62	20.2	58.6	73.5	Relatively Low 17, Very Low 45
Winter Weather	62 of 62	16.0	20.2	26.8	Relatively Low 51, Very Low 11

Drought: Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

Rated tracts only: No Rating (score 0.0), Not Applicable and Insufficient Data tracts are counted but not used for the minimum, median and maximum.

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, drought, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are (crop and livestock value where a line above names agriculture).

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Allenport borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 2	\$1,953.15	5 total; no approved plan	
Beallsville borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	11 total; no approved plan	
Bentleyville borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$6,318.51	16 total; 1 since its plan	
Burgettstown borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 2	\$63,431.05	25 total; 0 since its plan	
California borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 3	\$7,648.48	14 total; 2 since its plan	
Canonsburg borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$19,727.99	34 total; no approved plan	
Centerville borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	6 total; 0 since its plan	
Charleroi borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 3	\$7,068.98	22 total; no approved plan	
Claysville borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$25,295.65	29 total; 7 since its plan	
Coal Center borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	4 total; no approved plan	
Cokeburg borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	8 total; 6 since its plan	
Deemston borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$39,851.69	8 total; no approved plan	
Donora borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$6,689.44	15 total; 2 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Dunlevy borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 1 since its plan	
East Washington borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$3,164.70	6 total; 2 since its plan	
Elco borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 5	no Public Assistance recorded	0 total; 0 since its plan	
Ellsworth borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$3,521.99	11 total; 2 since its plan	
Finleyville borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 2	\$3,299.36	20 total; no approved plan	
Green Hills borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Houston borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 1; any 6	\$136,187.21	0 total; 0 since its plan	
Long Branch borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$138,559.72	1 total; 1 since its plan	
Marianna borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	8 total; 3 since its plan	
McDonald borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 4	\$75,011.53	0 total; 0 since its plan	
Midway borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 1	\$7,097.51	10 total; 0 since its plan	
Monongahela city	City	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 7	\$8,902.84	16 total; no approved plan	
New Eagle borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$27,259.10	0 total; 0 since its plan	
North Charleroi borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 7	\$770.39	1 total; no approved plan	
Roscoe borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 1; any 3	no Public Assistance recorded	9 total; 2 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Speers borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$2,371.90	5 total; no approved plan	
Stockdale borough	Organized Borough	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 6	\$1,620	1 total; no approved plan	
Twilight borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 total; 2 since its plan	
Washington city	City	Approved, expires 2027-03-06	FMA RL 0, SRL 5; any 15	\$22,365.64	79 total; 3 since its plan	
West Alexander CDP	Unincorporated	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible		no Public Assistance recorded	12 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.
West Brownsville borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 3	\$2,525.38	12 total; 8 since its plan	
West Middletown borough	Organized Borough	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	5 total; 1 since its plan	
Amwell township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 1	\$12,395.05	0 total; 0 since its plan	
Blaine township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$15,215.61	0 total; 0 since its plan	
Buffalo township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 1; any 1	\$4,249.25	3 total; 1 since its plan	
Canton township	Township	Approved, expires 2027-03-06	FMA RL 1, SRL 1; any 11	\$42,411.30	0 total; 0 since its plan	Includes \$4,027.21 for declarations not counted as hazard incidents (DR-4506-PA).
Carroll township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 1	\$7,155.52	0 total; 0 since its plan	
Cecil township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 5	\$146,665.42	18 total; 2 since its plan	
Chartiers township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 1; any 2	\$21,414.57	0 total; 0 since its plan	
Cross Creek township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$66,220.71	2 total; 0 since its plan	
Donegal township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$72,697.45	0 total; 0 since its plan	
East Bethlehem township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 6	\$10,387.16	0 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
East Finley township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 1	\$33,450.42	5 total; 1 since its plan	
Fallowfield township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 1	\$13,754.17	0 total; 0 since its plan	
Hanover township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$56,201.72	0 total; 0 since its plan	
Hopewell township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 1	\$13,662.76	0 total; 0 since its plan	
Independence township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 2	\$182,942.71	8 total; 0 since its plan	
Jefferson township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$16,658.05	0 total; 0 since its plan	
Morris township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$3,082.19	0 total; 0 since its plan	
Mount Pleasant township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$60,516.99	1 total; 0 since its plan	
North Bethlehem township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$12,071.08	0 total; 0 since its plan	
North Franklin township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 1	\$6,836.86	0 total; 0 since its plan	
North Strabane township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$41,070.76	0 total; 0 since its plan	
Nottingham township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$64,408.50	0 total; 0 since its plan	
Peters township	Township	Approved, expires 2027-03-06	FMA RL 1, SRL 0; any 3	\$26,694.10	0 total; 0 since its plan	
Robinson township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$5,847.97	2 total; no approved plan	
Smith township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$117,921.65	0 total; no approved plan	
Somerset township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$7,200.78	0 total; no approved plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
South Franklin township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 2	\$169,102.79	0 total; no approved plan	
South Strabane township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$59,059.72	11 total; 2 since its plan	
Union township	Township	Plan 101476 approved 2022-03-07, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 6	\$9,990	0 total; no approved plan	
West Bethlehem township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 2	\$13,673.11	0 total; 0 since its plan	
West Finley township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$108,454.84	3 total; 1 since its plan	
West Pike Run township	Township	Approved, expires 2027-03-06	FMA RL 0, SRL 0; any 0	\$3,930.02	0 total; 0 since its plan	

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

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

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

Local data needed

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

No county-level plan row in FEMA data, so there is no approval date to count from.

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 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	n/a	under 1	\$0	n/a	\$14					building exposure is 0 in NRI
Cold Wave	\$51,316,327,854	\$47,624,725	209,274	\$1,779	\$10,008	\$53,062	under 0.0001%				
Drought	n/a	\$22,324,804	n/a	n/a	\$118,236	n/a	0.53% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$89,007,059,097	n/a	209,349	\$383,154	n/a	\$119,735	0.00043%				
Hail	\$51,316,327,854	\$47,624,725	209,274	\$1,154,912	\$2,486	\$18,730	0.00225%				
Heat Wave	\$51,316,327,854	\$47,624,725	209,274	\$1	\$2,128	\$385,540	under 0.0001%				
Hurricane	\$51,140,820,118	\$47,251,742	208,416	\$205,139	\$21,455	\$9,326	0.000401%				
Ice Storm	\$51,301,561,020	n/a	209,204	\$38,968	n/a	\$97,225	under 0.0001%				
Inland Flooding	\$51,272,717,820	\$824,861	6,451	\$50,919,905	\$568	\$567,177	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.
Landslide	\$7,562,622,594	n/a	33,928	\$47,837	n/a	\$72,744	0.000633%				
Lightning	\$51,316,327,854	n/a	209,274	\$65,762	n/a	\$1,192,077	0.000128%				
Strong Wind	\$51,316,327,854	\$47,624,725	209,274	\$243,753	\$2,508	\$162,147	0.000475%				
Tornado	\$51,316,327,854	\$47,624,725	209,274	\$978,113	\$797	\$441,462	0.00191%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 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
Wildfire	\$21,752,640,392	\$20,168,868	92,121	\$36,372	\$13	\$6,176	0.000167%				
Winter Weather	\$51,316,327,854	\$47,624,725	209,274	\$10,876	\$4	\$8,546	under 0.0001%				

Totals since the plan: not available. No county-level plan row in FEMA data, so there is no approval date to count from.

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

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

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

County context

Source: 5

Measure	Value
Population	209,274
Building value (total, not at risk)	\$51,316,327,854
Agriculture value (total, not at risk)	\$47,624,725
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$54,244,772
Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage)	\$3,133,963
Social vulnerability rating	Relatively Low
Community resilience rating	Very High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	2	Severe repetitive loss, FMA definition (44 CFR 77.2)	13
Repetitive loss, NFIP insurance definition	114	Severe repetitive loss, NFIP insurance definition	9

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	2	13	114	9	118	1	43
of which: Allenport borough	0	0	2	0	2	0	0
of which: Burgettstown borough	0	0	2	0	2	0	1
of which: California borough	0	0	3	0	3	0	1
of which: Canonsburg borough	0	0	1	0	1	0	0
of which: Charleroi borough	0	0	3	0	3	0	0
of which: Elco borough	0	0	5	0	5	0	0
of which: McDonald borough	0	0	4	0	4	0	3
of which: Monongahela city	0	1	7	1	7	0	1
of which: Roscoe borough	0	1	2	0	3	0	0
of which: Stockdale borough	0	0	6	0	6	0	0
of which: Union township	0	1	6	1	6	0	3
of which: Washington city	0	5	15	5	15	0	8
of which: Buffalo township	0	1	1	1	1	0	1
of which: Canton township	1	1	10	0	11	1	7
of which: Independence township	0	0	2	0	2	0	2
of which: Finleyville borough	0	0	2	0	2	0	1
of which: North Charleroi borough	0	1	6	0	7	0	2
of which: Speers borough	0	0	1	0	1	0	1
of which: East Bethlehem township	0	0	6	0	6	0	0
of which: Carroll township	0	0	1	0	1	0	0
of which: Cecil township	0	0	5	0	5	0	3
of which: Chartiers township	0	1	2	0	2	0	2

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>
of which: East Finley township	0	0	1	0	1	0	1
of which: Fallowfield township	0	0	1	0	1	0	0
of which: North Franklin township	0	0	1	0	1	0	0
of which: Peters township	1	0	2	0	3	0	0
of which: West Bethlehem township	0	0	2	0	2	0	1
of which: Centerville borough	0	0	1	0	1	0	1
of which: Hopewell township	0	0	1	0	1	0	0
of which: Midway borough	0	0	1	0	1	0	1
of which: South Franklin township	0	0	2	0	2	0	0
of which: Houston borough	0	1	6	1	6	0	3
of which: Amwell township	0	0	1	0	1	0	0
of which: West Brownsville borough	0	0	3	0	3	0	0
Statewide, no county in FEMA's file	0	0	1	0	1	0	0

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Allenport borough	420845	0	0	2	0	2	0	0
Beallsville borough	422129	0	0	0	0	0	0	0
Bentleyville borough	420846	0	0	0	0	0	0	0
Burgettstown borough	420847	0	0	2	0	2	0	1
California borough	420848	0	0	3	0	3	0	1
Canonsburg borough	420849	0	0	1	0	1	0	0
Centerville borough	422552	0	0	1	0	1	0	1
Charleroi borough	420850	0	0	3	0	3	0	0
Claysville borough	422730	0	0	0	0	0	0	0
Coal Center borough	422131	0	0	0	0	0	0	0
Cokeburg borough	422731	0	0	0	0	0	0	0
Deemston borough	422132	0	0	0	0	0	0	0
Donora borough	420851	0	0	0	0	0	0	0
Dunlevy borough	422133	0	0	0	0	0	0	0
East Washington borough	422134	0	0	0	0	0	0	0
Elco borough	420852	0	0	5	0	5	0	0
Ellsworth borough	422553	0	0	0	0	0	0	0

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Finleyville borough	422135	0	0	2	0	2	0	1
Green Hills borough	422732	0	0	0	0	0	0	0
Houston borough	422594	0	1	6	1	6	0	3
Long Branch borough	422136	0	0	0	0	0	0	0
Marianna borough	420854	0	0	0	0	0	0	0
McDonald borough	420855	0	0	4	0	4	0	3
Midway borough	422558	0	0	1	0	1	0	1
Monongahela city	420856	0	1	7	1	7	0	1
New Eagle borough	420857	0	0	0	0	0	0	0
North Charleroi borough	422137	0	1	6	0	7	0	2
Roscoe borough	420858	0	1	2	0	3	0	0
Speers borough	422138	0	0	1	0	1	0	1
Stockdale borough	420859	0	0	6	0	6	0	0
Twilight borough	422564	0	0	0	0	0	0	0
Washington city	420861	0	5	15	5	15	0	8
West Brownsville borough	425391	0	0	3	0	3	0	0
West Middletown borough	422139	0	0	0	0	0	0	0
Amwell township	422615	0	0	1	0	1	0	0
Blaine township	422141	0	0	0	0	0	0	0
Buffalo township	421200	0	1	1	1	1	0	1
Canton township	421201	1	1	10	0	11	1	7
Carroll township	422142	0	0	1	0	1	0	0
Cecil township	422143	0	0	5	0	5	0	3
Chartiers township	422144	0	1	2	0	2	0	2
Cross Creek township	422145	0	0	0	0	0	0	0
Donegal township	422146	0	0	0	0	0	0	0
East Bethlehem township	422140	0	0	6	0	6	0	0
East Finley township	422147	0	0	1	0	1	0	1
Fallowfield township	422148	0	0	1	0	1	0	0
Hanover township	422555	0	0	0	0	0	0	0
Hopewell township	422556	0	0	1	0	1	0	0
Independence township	421202	0	0	2	0	2	0	2
Jefferson township	422557	0	0	0	0	0	0	0
Morris township	422559	0	0	0	0	0	0	0
Mount Pleasant township	422149	0	0	0	0	0	0	0

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
North Bethlehem township	422560	0	0	0	0	0	0	0
North Franklin township	422150	0	0	1	0	1	0	0
North Strabane township	422151	0	0	0	0	0	0	0
Nottingham township	422561	0	0	0	0	0	0	0
Peters township	422152	1	0	2	0	3	0	0
Robinson township	422562	0	0	0	0	0	0	0
Smith township	422153	0	0	0	0	0	0	0
Somerset township	422154	0	0	0	0	0	0	0
South Franklin township	422563	0	0	2	0	2	0	0
South Strabane township	422155	0	0	0	0	0	0	0
Union township	420860	0	1	6	1	6	0	3
West Bethlehem township	422156	0	0	2	0	2	0	1
West Finley township	422565	0	0	0	0	0	0	0
West Pike Run township	422157	0	0	0	0	0	0	0

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	1	5	70	3	73	0	28
2 to 4 unit residential	0	0	4	0	4	0	0
other residential	0	0	3	0	3	0	2
non-residential	1	8	37	6	38	1	13
not reported	0	0	0	0	0	0	0

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

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

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

In this county 1 property is FMA repetitive loss but not NFIP repetitive loss, and 113 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

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 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
 4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
 5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
 8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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 (used to match place names and codes; no table prints its values)
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What this packet is and what the plan adds

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

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

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

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).

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