

Venango County, PA

Risk-assessment baseline packet

County FIPS: 42121 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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

Summary

Plan status as of 2026-09-30: Approved, expires 2030-07-23. Plan: Venango County Hazard Mitigation Plan (FEMA plan 110715), approved 2025-07-24. Since the plan was approved on 2025-07-24: no new hazard declaration and 35 NOAA Storm Events records; details under "What changed since your last plan". Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$13,237,084 a year), Strong Wind (\$903,551) and Lightning (\$691,522). 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; 42121 is this area.
D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).
F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.
kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.
CFR: Code of Federal Regulations.
A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).
Dollars: nominal (as reported, labeled with the year), not adjusted for inflation.

CONTENTS

- 1. Summary and terms used, page 1
- 2. Plan clock, page 2
- 3. What changed since your last plan (approved 2025-07-24), page 2
- 4. B1-a: hazard identification, page 5
- 5. B1-b: hazard location, page 6
- 6. B1-c: hazard extent, page 7
- 7. B1-d: previous occurrences, page 9
- 8. B1-e: probability of future events, page 13
- 9. B1-f: hazards that vary across jurisdictions, page 16
- 10. B2-a and B2-b: vulnerability and potential impacts, page 18
- 11. B2-a: vulnerability (county context), page 20
- 12. B2-c: repetitive loss properties, page 20
- 13. Sources, what the plan adds, disclaimer and citation, page 23

Plan clock

Status:	Approved, expires 2030-07-23	Plan:	Venango County Hazard Mitigation Plan (FEMA plan 110715)
Approved:	2025-07-24	Days to expiry:	1,392

What changed since your last plan (approved 2025-07-24)

New federal declarations:	none	Storm Events records since approval:	35 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 2 (44 CFR 77.2); any definition: 17	Repeat-flood change:	this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county: 32 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 negative = days since expiry	Notes
Venango County	County	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-06
Barkeyville borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-12-02
Clintonville borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-13
Cooperstown borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-04
Emlenton borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-04
Franklin city	City	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-04
Oil City city	City	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-11
Pleasantville borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-12
Polk borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-09-04
Rouseville borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-10-14
Sugarcreek borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-09-03
Utica borough	Organized Borough	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-09-09
Allegheny township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-14
Canal township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-12
Cherrytree township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-04
Clinton township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-04
Cornplanter township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-09-02
Cranberry township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	
Frenchcreek township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-10-09

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Notes
Irwin township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-04
Jackson township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-11
Mineral township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2026-02-05
Oakland township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-10-06
Oil Creek township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-12
Pinegrove township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-09-08
Plum township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-11-11
President township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-11-13
Richland township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-14
Rockland township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-09-08
Sandycreek township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-08-12
Scrubgrass township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-10-21
Victory township	Township	Approved, expires 2030-07-23	Venango County Hazard Mitigation Plan (FEMA plan 110715)	2025-07-24	2030-07-23	1,392	this jurisdiction approved 2025-12-08

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 Low	\$13,198,785	\$11,014	\$27,285	\$13,237,084	101	
2	Strong Wind	Relatively Moderate	Relatively Moderate	\$346,694	\$831	\$556,026	\$903,551	358	Includes 22 High Wind and 6 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
3	Lightning	Relatively High	Relatively Moderate	\$6,522	n/a	\$685,000	\$691,522	5	
4	Tornado	Relatively Low	Relatively Low	\$392,968	\$587	\$170,312	\$563,867	6	
5	Hurricane	Very Low	Very Low	\$96,108	\$5,384	\$4,585	\$106,077	0	Declared 2 times; no Storm Events record of this type.
6	Cold Wave	Very Low	Very Low	\$434	\$4,454	\$59,327	\$64,215	11	
7	Earthquake	Very Low	Very Low	\$44,744	n/a	\$9,796	\$54,540		Storm Events does not record earthquakes.
8	Winter Weather	Relatively Low	Relatively Low	\$35,110	\$10	\$12,966	\$48,086	123	
9	Hail	Very Low	Very Low	\$33,023	\$9,141	\$5,551	\$47,715	85	
10	Heat Wave	Very Low	Very Low	\$1	\$276	\$30,084	\$30,360	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
11	Ice Storm	Very Low	Very Low	\$5,892	n/a	\$15,580	\$21,472	10	
12	Landslide	Relatively Low	Very Low	\$762	n/a	\$3,271	\$4,033	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Wildfire	Very Low	Very Low	\$2,996	\$2	\$596	\$3,594	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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
14	Avalanche	Very Low	Very Low	under \$1	n/a	\$631	\$631	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Drought	No Rating	No Expected Annual Losses	n/a	\$0	n/a	\$0	2	

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 landslide and wildfire records (Storm Events records these hazards only in part).

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

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 2015 (Very Low, 44.3); tract 2011 (Very Low, 43.3); tract 2002.01 (Very Low, 43.0)
Earthquake	tract 2006 (Very Low, 26.4); tract 2013 (Very Low, 23.5); tract 2011 (Very Low, 23.0)
Hurricane	tract 2011 (Relatively Low, 54.6); tract 2006 (Relatively Low, 54.0); tract 2015 (Relatively Low, 52.5)
Landslide	tract 2015 (Relatively Low, 94.1); tract 2011 (Relatively Low, 93.7); tract 2006 (Relatively Low, 89.0)
Tornado	tract 2011 (Relatively Low, 51.6); tract 2015 (Relatively Low, 51.4); tract 2006 (Relatively Low, 49.4)
Wildfire	tract 2014 (Very Low, 64.8); tract 2015 (Very Low, 61.4); tract 2000 (Very Low, 59.1)

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 2015 is Census Tract 2015). 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, 2014 to 2025 (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					
Drought	U.S. Drought Monitor scale (D0 to D4)	2 records, 1999 (2 zone-level)	61 days; 1 with a recorded value	61 days (2 months), 1999-08-01 to 1999-09-30, a run of 2 consecutive Storm Events drought records, zone-level		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)	94 records, 1986 to 2026	0.75 in to 2.75 in (median 1 in); 94 with a recorded value	2.75 in hail, 2019-05-28; same size also recorded on 1996-08-15	Hail, 2026-04-15, \$8,000 property; \$0 crops (2026 dollars)	Event records naming jurisdictions in the plan: Oil City city (18 records), Franklin city (11 records), Cooperstown borough (7 records), Cranberry township (4 records), Pleasantville borough (4 records), Utica borough (4 records), Clintonville borough (3 records), Rockland township (3 records), Cherrytree township (2 records), Barkeyville borough (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	0					
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	10 records, 1997 to 2013 (10 zone-level)		Ice Storm, 2005-01-05, \$30,000 property; crops not reported (2005 dollars); NWS zone PAZ008		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	101 records, 1996 to 2026 (7 zone-level)		Flash Flood, 1996-07-19, \$50,000,000 property; crops not reported (1996 dollars)		Event records naming jurisdictions in the plan: Oil City city (16 records), Franklin city (10 records), Rouseville borough (5 records), Barkeyville borough (4 records), Cherrytree township (4 records), Clintonville borough (3 records), Cranberry township (3 records), Pleasantville borough (2 records), Polk borough (2 records), President township (2 records); and 4 more jurisdictions (see the Excel file). Zone-level records (7) 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)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5 records, 1997 to 2023		Lightning, 2023-04-01, \$100,000 property; crops not reported (2023 dollars)		Event records naming jurisdictions in the plan: Cherrytree township (1 record), Clintonville borough (1 record), Franklin city (1 record), Oil City 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)	28 records, 1996 to 2024 (28 zone-level)	39 kt (45 mph) to 65 kt (75 mph) (median 50 kt (58 mph)); 25 with a recorded value	65 kt (75 mph) estimated gust, High Wind, 2008-09-14, 1 direct death (reported for the zone); NWS zone PAZ008		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	398 records, 1965 to 2026	50 kt (58 mph) to 80 kt (92 mph) (median 50 kt (58 mph)); 278 with a recorded value	80 kt (92 mph), measurement type not recorded, Thunderstorm Wind, 1965-01-26	Thunderstorm Wind, 2005-06-14, \$100,000 property; crops not reported (2005 dollars)	Event records naming jurisdictions in the plan: Oil City city (40 records), Franklin city (37 records), Pleasantville borough (28 records), Clintonville borough (17 records), Utica borough (13 records), Cooperstown borough (12 records), Cranberry township (11 records), Cherrytree township (8 records), Barkeyville borough (7 records), Polk borough (7 records); and 6 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	15 records, 1974 to 2026	F/EF0 to F/EF4 (median between F/EF0 and F/EF1); 14 with a recorded value	F4 tornado, 1985-05-31, 12.5 mi path length (whole path, pre-1996), 350 yd wide, \$25,000,000 property; crops not recorded (1985 dollars), 8 direct deaths, 40 direct injuries		Event records naming jurisdictions in the plan: Oil City city (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).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	123 records, 1996 to 2026 (123 zone- level)		Heavy Snow, 2013-11-23, \$75,000 property; \$0 crops (2013 dollars); NWS zone PAZ008		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: 15 declarations covering 10 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2020-03-30	2020-01-20	DR-4506-PA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$18,275.55	
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
2013-10-01	2013-06-26	DR-4149-PA	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$264,655.90	
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: designated for Hazard Mitigation only (no Public or Individual Assistance for this county); not counted	PA not declared for this county	
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	
2003-08-23	2003-07-21	DR-1485-PA	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$818,517.23	
1996-07-26	1996-07-19	DR-1130-PA	Major disaster	Severe Storms, Flooding, and Tornadoes	Inland Flooding (primary); also designated: Tornado	no Public Assistance recorded	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Notes
						<i>federal share obligated, nominal dollars</i>	
1996-01-21	1996-01-19	DR-1093-PA	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county	
1993-03-16	1993-03-13	EM-3105-PA	Emergency	Severe Snowfall & Winter Storm	Winter Weather	no Public Assistance recorded	
1985-06-03	1985-05-31	DR-737-PA	Major disaster	Severe Storms, High Winds & Tornadoes	Tornado (primary); also designated: Strong Wind	no Public Assistance recorded	
1981-06-15	1981-06-15	DR-641-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
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 <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	11	0	1	2	0	0	1996 to 2026-06-30	
Drought	2	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	94	8	0	13	0	0	1955 to 2026-06-30	

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
Heat Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Hurricane	0	0	0	0	2	0	1996 to 2026-06-30	No Storm Events records of this type; 2 federal declared incidents (see declarations table)
Ice Storm	10	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	101	1	17	20	6	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	5	0	0	1	0	0	1996 to 2026-06-30	
Strong Wind	426	17	30	89	1	0	1955 to 2026-06-30	Includes 22 High Wind and 6 Strong Wind records.
Tornado	15	1	0	1	4	0	1950 to 2026-06-30	
Wildfire	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	123	8	4	36	2	0	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 PAZ008 (VENANGO), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2023-04-01	Lightning		\$100,000 property; crops not reported (2023 dollars)	0, 0	OIL CITY	within last 5 years	B1-c worst recorded: Lightning
2022-07-24	Thunderstorm Wind	50 kt (58 mph) estimated gust	\$10,000 property; \$0 crops (2022 dollars)	1, 0	FRANKLIN	within last 5 years	deaths or injuries recorded
2019-05-28	Hail	2.75 in	damage not reported	0, 0	SPRINGVILLE		B1-c worst recorded: Hail
2013-11-23	Heavy Snow		\$75,000 property; \$0 crops (zone total, 2013 dollars)	0, 0	NWS zone PAZ008 (VENANGO), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2008-09-14	High Wind	65 kt (75 mph) estimated gust	\$1,000,000 property; \$0 crops (zone total, 2008 dollars)	1, 0	NWS zone PAZ008 (VENANGO), zone-level		deaths or injuries recorded
2005-06-14	Thunderstorm Wind	52 kt (60 mph) estimated gust	\$100,000 property; crops not reported (2005 dollars)	0, 0	OIL CITY		B1-c most damaging: Thunderstorm Wind
2005-01-05	Ice Storm		\$30,000 property; crops not reported (zone total, 2005 dollars)	0, 0	NWS zone PAZ008 (VENANGO), zone-level		B1-c worst recorded: Ice Storm
1999-08-01	Drought		damage not reported	0, 0	NWS zone PAZ008 (VENANGO), zone-level		B1-c worst recorded: Drought
1996-07-19	Flash Flood		\$50,000,000 property; crops not reported (1996 dollars)	0, 0	FRANKLIN		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1985-05-31	Tornado	F4, 12.5 mi path length (whole path, pre-1996), 350 yd wide	\$25,000,000 property; crops not recorded (1985 dollars)	8, 40	location not recorded		deaths or injuries recorded
1965-01-26	Thunderstorm Wind	80 kt (92 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 Excel file, sheet "B1-d Storm Events history" (787 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	3.68	event-days per year	about 3.68 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	70	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	0	event-days per year	none modeled	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	0	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI models no drought event-days here (2000 to 2025, 25.25 years; D3 and D4 only); Storm Events has a record in 1 of 30 years. The descriptor comes from Storm Events, which counts D2 drought that NRI leaves out.
Earthquake	0.00054	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.054%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.65	events per year	about 2.65 per year	Highly likely	FEMA annualized frequency (modeled)	100.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.632	event-days per year	about 0.632 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	14	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane	0.0207	events per year	about 1 in 48 years	Possible	FEMA annualized frequency (modeled)	6	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	0.486	event-days per year	about 0.486 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	2.32	event-days per year	about 2.32 days per year	Likely	Storm Events event-days in 25 of 30 years, 1996 to 2025 (83.3%)	65	1996 to 2023 (28 years)	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
Landslide	0.445	events per year (modeled)	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	37.8	days per year with a strike	about 37.8 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.07	events per year	about 2.07 per year	Highly likely	FEMA annualized frequency (modeled)	79	1986 to 2023 (38 years)	countywide	
Tornado	0.252	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	0.0000599	annual probability at a location	chance a given location in the county burns in a year: 0.00599%		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	17.5	event-days per year	about 17.5 days per year	Highly likely	Storm Events event-days in 28 of 30 years, 1996 to 2025 (93.3%)	332	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	36	30	1.2
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	255	30	8.5
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	3	30	0.1
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	55	30	1.83
Tornado	EF0-1	1996 to 2025	5	30	0.167
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	9 of 17	37.3	41.5	44.3	Very Low 9, Not Applicable 8
Cold Wave	17 of 17	17.9	19.9	22.4	Relatively Low 11, Very Low 6
Drought	0 of 17				No Rating 17
Earthquake	17 of 17	6.9	13.1	26.4	Very Low 17
Hail	17 of 17	22.2	34.6	53.7	Relatively Low 8, Very Low 9
Heat Wave	17 of 17	2.3	3.1	4.5	Very Low 17
Hurricane	17 of 17	43.6	48.9	54.6	Relatively Low 5, Very Low 12
Ice Storm	17 of 17	9.2	18.4	33.5	Very Low 17
Inland Flooding	17 of 17	24.8	58.4	96.0	Very High 2, Relatively High 3, Relatively Moderate 6, Relatively Low 6
Landslide	17 of 17	46.0	76.6	94.1	Relatively Low 8, Very Low 9
Lightning	17 of 17	72.0	89.8	97.1	Very High 2, Relatively High 14, Relatively Moderate 1
Strong Wind	17 of 17	68.0	81.1	91.8	Relatively High 8, Relatively Moderate 9
Tornado	17 of 17	30.0	39.3	51.6	Relatively Low 17
Wildfire	17 of 17	27.6	48.1	64.8	Very Low 17
Winter Weather	17 of 17	39.5	53.1	70.6	Relatively Moderate 11, Relatively Low 6

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, 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.

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
Venango County	County	Approved, expires 2030-07-23		\$25,991.27	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row. Includes \$18,275.55 for declarations not counted as hazard incidents (DR-4506-PA).
Barkeyville borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	12 total; 0 since its plan	
Clintonville borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	24 total; 0 since its plan	
Cooperstown borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	20 total; 2 since its plan	
Emlenton borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$64,166.15	2 total; 0 since its plan	
Franklin city	City	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 1	\$40,825.24	59 total; 1 since its plan	
Oil City city	City	Approved, expires 2030-07-23	FMA RL 0, SRL 1; any 2	\$328,626.04	76 total; 2 since its plan	
Pleasantville borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	34 total; 1 since its plan	
Polk borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	9 total; 0 since its plan	
Rouseville borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$6,401.38	11 total; 1 since its plan	
Sugarcreek borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 6	\$43,402.67	8 total; 0 since its plan	
Utica borough	Organized Borough	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$6,296.10	18 total; 1 since its plan	
Allegheny township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$33,160.14	0 total; 0 since its plan	
Canal township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$18,821.05	0 total; 0 since its plan	
Cherrytree township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$31,071.80	15 total; 2 since its plan	
Clinton township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 1	\$48,019.61	0 total; 0 since its plan	
Cornplanter township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$51,335.09	0 total; 0 since its plan	
Cranberry township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 1	\$11,979.63	18 total; 1 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
Frenchcreek township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$16,058.70	0 total; 0 since its plan	
Irwin township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Jackson township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 1; any 4	\$95,006.67	0 total; 0 since its plan	
Mineral township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$81,143.94	0 total; 0 since its plan	
Oakland township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 1	\$37,951.18	0 total; 0 since its plan	
Oil Creek township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$16,278.70	0 total; 0 since its plan	
Pinegrove township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Plum township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$31,897.70	0 total; 0 since its plan	
President township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$19,394.14	7 total; 0 since its plan	
Richland township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$21,950.64	0 total; 0 since its plan	
Rockland township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$5,784.60	5 total; 1 since its plan	
Sandycreek township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$21,587.75	0 total; 0 since its plan	
Scrubgrass township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	\$12,250.49	0 total; 0 since its plan	
Victory township	Township	Approved, expires 2030-07-23	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 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.

- 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 2025-07-24 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche	\$153,581	n/a	under 1	under \$1	n/a	\$631	under 0.0001%				
Cold Wave	\$10,923,073,293	\$19,030,246	50,453	\$434	\$4,454	\$59,327	under 0.0001%				
Drought	n/a	\$0	n/a	n/a	\$0	n/a					agriculture exposure is 0 in NRI
Earthquake	\$19,153,591,351	n/a	50,454	\$44,744	n/a	\$9,796	0.000234%				
Hail	\$10,923,073,293	\$19,030,246	50,453	\$33,023	\$9,141	\$5,551	0.000302%	\$8,000			
Heat Wave	\$10,923,073,293	\$19,030,246	50,453	\$1	\$276	\$30,084	under 0.0001%				
Hurricane	\$10,898,512,659	\$18,819,074	50,335	\$96,108	\$5,384	\$4,585	0.000882%				
Ice Storm	\$10,905,953,585	n/a	50,372	\$5,892	n/a	\$15,580	under 0.0001%				
Inland Flooding	\$10,902,435,520	\$705,747	1,185	\$13,198,785	\$11,014	\$27,285	n/a (see note)	\$5,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$565,242,331	n/a	2,896	\$762	n/a	\$3,271	0.000135%				
Lightning	\$10,923,073,293	n/a	50,453	\$6,522	n/a	\$685,000	under 0.0001%				
Strong Wind	\$10,923,073,293	\$19,030,246	50,453	\$346,694	\$831	\$556,026	0.00317%	\$80,000			
Tornado	\$10,923,073,293	\$19,030,246	50,453	\$392,968	\$587	\$170,312	0.0036%	\$15,000			
Wildfire	\$1,750,328,969	\$3,745,684	8,834	\$2,996	\$2	\$596	0.000171%				
Winter Weather	\$10,923,073,293	\$19,030,246	50,453	\$35,110	\$10	\$12,966	0.000321%		\$0		

Totals since 2025-07-24 (Storm Events through 2026-06-30): 27 county-coded records, 27 with a damage value recorded (including \$0), \$108,000; 8 zone-level records, 8 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

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	50,453
Building value (total, not at risk)	\$10,923,073,293
Agriculture value (total, not at risk)	\$19,030,246
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$14,195,738
Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage)	\$1,581,010
Social vulnerability rating	Relatively High
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)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	2
Repetitive loss, NFIP insurance definition	16	Severe repetitive loss, NFIP insurance definition	1

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	0	2	16	1	17	1	3
of which: Franklin city	0	0	1	0	1	0	1
of which: Oil City city	0	1	1	0	2	1	0
of which: Sugarcreek borough	0	0	6	0	6	0	0
of which: Cranberry township	0	0	1	0	1	0	0
of which: Oakland township	0	0	1	0	1	0	0
of which: Clinton township	0	0	1	0	1	0	0
of which: Jackson township	0	1	4	1	4	0	2
of which: Unknown (community ID Unknown in FEMA data)	0	0	1	0	1	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>
Barkeyville borough	422728	0	0	0	0	0	0	0
Clintonville borough	422532	0	0	0	0	0	0	0
Cooperstown borough	420835	0	0	0	0	0	0	0
Emlenton borough	422107	0	0	0	0	0	0	0
Franklin city	420836	0	0	1	0	1	0	1
Oil City city	420837	0	1	1	0	2	1	0
Pleasantville borough	422729	0	0	0	0	0	0	0
Polk borough	420838	0	0	0	0	0	0	0
Rouseville borough	420839	0	0	0	0	0	0	0
Sugarcreek borough	420840	0	0	6	0	6	0	0
Utica borough	420841	0	0	0	0	0	0	0
Allegheny township	422529	0	0	0	0	0	0	0
Canal township	422108	0	0	0	0	0	0	0
Cherrytree township	422530	0	0	0	0	0	0	0
Clinton township	422531	0	0	1	0	1	0	0
Cornplanter township	422533	0	0	0	0	0	0	0
Cranberry township	422109	0	0	1	0	1	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>
Frenchcreek township	422110	0	0	0	0	0	0	0
Irwin township	422534	0	0	0	0	0	0	0
Jackson township	422535	0	1	4	1	4	0	2
Mineral township	422536	0	0	0	0	0	0	0
Oakland township	422111	0	0	1	0	1	0	0
Oil Creek township	422537	0	0	0	0	0	0	0
Pinegrove township	422538	0	0	0	0	0	0	0
Plum township	422539	0	0	0	0	0	0	0
President township	422112	0	0	0	0	0	0	0
Richland township	422540	0	0	0	0	0	0	0
Rockland township	422113	0	0	0	0	0	0	0
Sandycreek township	422541	0	0	0	0	0	0	0
Scrubgrass township	422542	0	0	0	0	0	0	0
Victory township	422543	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	0	1	15	1	15	0	3
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	1	1	0	2	1	0
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 16 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
 4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
 5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
 8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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_scscd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scscd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)
-

What this packet is and what the plan adds

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

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

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

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).

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). Venango County, PA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 42121). Automated baseline. <https://hazardplain.org/pa/42121/> 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: contact@hazardplain.org