

Chester County, PA

Risk-assessment baseline packet

Unit **County area 42029** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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

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

OPENFEMA DISCLAIMER

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

Plan clock

Status	Approved, expires 2031-06-29	Plan	Chester County Hazard Mitigation Plan (FEMA plan 109110)
Approved	2026-06-30	Expires	2031-06-29
As of	2026-09-28	Days	1,735 days to expiry

What changed since your last plan (approved 2026-06-30)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet
Repetitive loss now	FMA RL 13, SRL 43 (44 CFR 77.2); any definition: 221	Repeat-flood change	First release: no prior release to compare.

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

Plan status for every jurisdiction listed in this county: 75 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Update underway	Notes
Chester County	County	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-07-15
Atglen borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-04
Avondale borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-07-28
Coatesville city	City	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-24
Downingtown borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-05
Elverson borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-04
Honey Brook borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-17
Kennett Square borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-06-17
Malvern borough	Organized Borough	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Modena borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-17
Oxford borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-09-14
Parkesburg borough	Organized Borough	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 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
Phoenixville borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-11
South Coatesville borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-07-28
Spring City borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-03
West Chester borough	Organized Borough	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-19
West Grove borough	Organized Borough	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Birmingham township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-03
Caln township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Charlestown township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-03
East Bradford township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-06
East Brandywine township	Special District	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-06
East Caln township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-19
East Coventry township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-10
East Fallowfield township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-25
East Goshen township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
East Marlborough township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-12
East Nantmeal township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-12
East Nottingham township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-11
East Pikeland township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-04

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
East Vincent township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
East Whiteland township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-19
Easttown township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Elk township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Franklin township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-19
Highland township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Honey Brook township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Kennett township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
London Britain township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
London Grove township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-12
Londonderry township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Lower Oxford township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-10

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
New Garden township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
New London township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-04
Newlin township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-09-14
North Coventry township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-10
Penn township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-04
Pennsbury township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Pocopson township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-07-27
Sadsbury township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Schuylkill township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
South Coventry township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Thornbury township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Tredyffrin township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Upper Oxford township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-10

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Upper Uwchlan township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-17
Uwchlan township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-10
Valley township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-07-21
Wallace township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Warwick township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Bradford township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Brandywine township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Caln township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-19
West Fallowfield township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-19
West Goshen township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Marlborough township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-09-01
West Nantmeal township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-09-14
West Nottingham township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 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
West Pikeland township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	Chester County Hazard Mitigation Plan (FEMA plan 109110), pending adoption here	2026-06-30 by FEMA; not yet adopted here	2031-06-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Sadsbury township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-12
West Vincent township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-17
West Whiteland township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-07-22
Westtown township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-08-03
Willistown township	Township	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		member approved 2026-07-27
Downingtown Area Regional Authority	Water/Sewer Authority	Approved, expires 2031-06-29	Chester County Hazard Mitigation Plan (FEMA plan 109110)	2026-06-30	2031-06-29	1,735		

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

Supports B1-a: hazards

Hazards NRI does not cover: check locally

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

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

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$103,237,600	\$1,445,790	\$1,140,767	\$105,824,157	316		
2	Heat Wave	Relatively Moderate	Relatively High	\$9	\$14,041	\$10,603,284	\$10,617,334	103		
3	Drought	Relatively High	Relatively High		\$10,080,349		\$10,080,349	44		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
4	Tornado	Relatively Moderate	Relatively High	\$5,029,426	\$2,644	\$4,800,064	\$9,832,134	11		
5	Hurricane	Relatively Moderate	Relatively High	\$6,409,099	\$3,052,011	\$150,293	\$9,611,404	3		
6	Earthquake	Relatively Moderate	Relatively Moderate	\$7,016,306		\$1,453,365	\$8,469,671			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
7	Cold Wave	Relatively Moderate	Relatively High	\$1,961	\$6,204	\$7,499,466	\$7,507,630	32		Includes 3 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
8	Strong Wind	Relatively High	Relatively High	\$1,566,620	\$86,417	\$2,989,803	\$4,642,840	821		Includes 43 High Wind records and 89 Strong Wind records, event types the NRI definition of this hazard leaves out.
9	Winter Weather	Very High	Very High	\$523,533	\$335	\$1,795,754	\$2,319,622	281		Includes 6 Sleet records, event types the NRI definition of this hazard leaves out.
10	Lightning	Relatively High	Relatively High	\$170,504		\$1,880,160	\$2,050,663	46		
11	Ice Storm	Relatively High	Relatively High	\$454,851		\$538,214	\$993,065	4		
12	Hail	Relatively Low	Relatively Low	\$102,824	\$512,808	\$2,539	\$618,172	80		
13	Wildfire	Very Low	Very Low	\$19,306	\$21	\$3,873	\$23,200	2		
14	Landslide	Relatively Low	Relatively Low	\$19,129		\$599	\$19,727	0		Declared 1 time; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
15	Coastal Flooding	No Rating	No Expected Annual Losses	\$0		\$0	\$0	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Not Applicable	Not Applicable					0	NRI rates tsunami Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 124
Coastal 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.	0 of 124
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	124 of 124
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	90 of 124
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	124 of 124
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	124 of 124
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	124 of 124
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	124 of 124
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	124 of 124
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.	124 of 124
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	124 of 124
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	124 of 124
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	124 of 124
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	124 of 124
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 124
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 124
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	117 of 124
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	124 of 124

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	29, 1996 to 2022 (29 zone-level)	1 day to 16 days (median 2 days); 24 with a recorded value	16 consecutive days, 2003-01-14 to 2003-01-29, zone-level	Cold/Wind Chill, 1997-04-09, property not reported; \$12,000,000 crops, reported for the zone (1997 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required. Cold/ Wind Chill records from May to September (a frost night, not a cold wave) are counted but not used for the longest run.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	3, 2007 to 2007 (3 zone-level)		No crop damage reported in 3 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	44, 1997 to 2010 (44 zone-level)	1 day to 421 days (median 1 day); 17 with a recorded value	421 days (about 13.8 months), 2001-10-01 to 2002-11-25, a run of 14 consecutive Storm Events drought records, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	102, 1967 to 2026	0.5 in to 2.75 in (median 1 in); 102 with a recorded value	2.75 in hail, 1995-05-29	Hail, 2003-06-12, \$100 property; crops not reported (2003 dollars)	Event records naming member places: Coatesville city (10 records), West Chester borough (10 records), Downingtown borough (5 records), Honey Brook borough (5 records), Honey Brook township (5 records), Phoenixville borough (5 records), Oxford borough (4 records), Elverson borough (2 records), Kennett Square borough (2 records), Spring City borough (2 records); and 4 more member places (see the XLSX file).	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Excessive Heat, Heat	heat index (narratives)	103, 1996 to 2025 (103 zone-level)	1 day to 10 days (median 3 days); 73 with a recorded value	10 consecutive days, 2002-08-11 to 2002-08-20, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required. Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	3, 2008 to 2020 (3 zone-level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Tropical Storm record, 2011-08-27 to 2011-08-28, \$850,000 property; \$0 crops, reported for the zone (2011 dollars); Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	4, 1998 to 2022 (4 zone-level)		No damage reported in 4 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	316, 1996 to 2025 (23 zone-level)		Flash Flood, 2021-09-01, \$40,000,000 property; \$1,000,000 crops (2021 dollars), 1 direct death		Event records naming member places: Downingtown borough (23 records), Honey Brook borough (16 records), Honey Brook township (16 records), Phoenixville borough (15 records), West Chester borough (9 records), Modena borough (7 records), Coatesville city (6 records), Oxford borough (4 records), West Grove borough (3 records), Atglen borough (2 records); and 11 more member places (see the XLSX file). Zone-level records (23) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	46, 1996 to 2023		Lightning, 2023-04-15, \$0 property; \$0 crops (2023 dollars), 1 direct death, 1 direct injury	Lightning, 2017-06-19, \$750,000 property; crops not reported (2017 dollars)	Event records naming member places: Honey Brook borough (3 records), Honey Brook township (3 records), West Chester borough (3 records), Avondale borough (2 records), Modena borough (2 records), Birmingham township (1 record), Kennett Square borough (1 record), London Grove township (1 record), Malvern borough (1 record), New Garden township (1 record); and 8 more member places (see the XLSX file).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	132, 1996 to 2025 (132 zone-level)	27 kt (31 mph) to 58 kt (67 mph) (median 41 kt (47 mph)); 105 with a recorded value	58 kt (67 mph), measurement type not recorded, High Wind, 1999-11-02; Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties	High Wind, 2003-09-18, \$6,680,000 property; crops not reported, reported for the zone (2003 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	782, 1957 to 2026	35 kt (40 mph) to 87 kt (100 mph) (median 50 kt (58 mph)); 691 with a recorded value	87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1989-11-16	Thunderstorm Wind, 1994-07-27, \$5,000,000 property; crops not recorded (1994 dollars)	Event records naming member places: West Chester borough (34 records), Downingtown borough (26 records), Oxford borough (24 records), Phoenixville borough (21 records), Kennett Square borough (17 records), Honey Brook borough (14 records), Honey Brook township (14 records), Coatesville city (13 records), Spring City borough (12 records), Parkesburg borough (11 records); and 13 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	29, 1953 to 2023	F/EF0 to F/EF3 (median F/EF1); 29 with a recorded value	F3 tornado, 1994-07-27, 4 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 100 yd wide, \$5,000,000 property; crops not recorded (1994 dollars), 11 direct injuries		Event records naming member places: Honey Brook borough (2 records), Honey Brook township (2 records), West Chester borough (2 records), Avondale borough (1 record), Downingtown borough (1 record), Oxford borough (1 record).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	2, 2002 to 2015 (2 zone-level)		No damage reported in 2 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Acres burned: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	281, 1996 to 2026 (281 zone-level)		Winter Storm, 2010-02-09, \$5,000,000 property; \$0 crops, reported for the zone (2010 dollars); Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

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

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

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

SOURCES

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

Supports B1-d: previous occurrences

Declaration rows 26 Counted incidents 20

Storm Events records since the plan: not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet.

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2021-09-10	2021-08-31	DR-4618-PA	Major disaster	REMNANTS OF HURRICANE IDA	Hurricane	\$15,276,118.89		
2020-03-30	2020-01-20	DR-4506-PA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$7,720,011.95		
2020-03-13	2020-01-20	EM-3441-PA	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4506
2016-03-23	2016-01-22	DR-4267-PA	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$2,677,952.41		
2014-02-06	2014-02-04	EM-3367-PA	Emergency	SEVERE WINTER STORM	Ice Storm	none found		
2012-10-29	2012-10-26	EM-3356-PA	Emergency	HURRICANE SANDY	Hurricane	none found		
2011-09-12	2011-09-03	DR-4030-PA	Major disaster	TROPICAL STORM LEE	Inland Flooding (primary); also designated: Hurricane	\$315,100.23		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	
						<i>federal share obligated, nominal dollars</i>	Flags Notes
2011-09-08	2011-09-03	EM-3340-PA	Emergency	REMNANTS OF TROPICAL STORM LEE	Inland Flooding (primary); also designated: Hurricane	none found	same incident as DR-4030
2011-09-03	2011-08-26	DR-4025-PA	Major disaster	HURRICANE IRENE	Hurricane	\$1,296,021.40	
2011-08-29	2011-08-26	EM-3339-PA	Emergency	HURRICANE IRENE	Hurricane	none found	same incident as DR-4025
2010-04-16	2010-02-05	DR-1898-PA	Major disaster	SEVERE WINTER STORMS AND SNOWSTORMS	Winter Weather	\$2,289,647.90	
2006-06-30	2006-06-23	DR-1649-PA	Major disaster	SEVERE STORMS, FLOODING, AND MUDSLIDES	Inland Flooding; Landslide	\$1,125,709.07	
2005-09-10	2005-08-29	EM-3235-PA	Emergency	HURRICANE KATRINA	Hurricane: evacuation support, not a local hazard event; not counted	none found	
2004-09-19	2004-09-17	DR-1557-PA	Major disaster	TROPICAL DEPRESSION IVAN	Hurricane	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	
2003-09-26	2003-09-15	DR-1497-PA	Major disaster	TROPICAL STORMS HENRI AND ISABEL AND RELATED SEVERE STORMS AND FLOODING	Hurricane; Inland Flooding	PA not declared for this county	
2003-03-14	2003-02-14	EM-3180-PA	Emergency	SNOW	Winter Weather	\$834,228.59	
1999-09-18	1999-09-16	DR-1294-PA	Major disaster	HURRICANE FLOYD MAJOR DISASTER DECLARATIONS	Hurricane	\$794,160.13	
1996-01-21	1996-01-19	DR-1093-PA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county	
1996-01-13	1996-01-06	DR-1085-PA	Major disaster	BLIZZARD OF 96	Winter Weather	none found	
1994-03-10	1994-01-04	DR-1015-PA	Major disaster	SEVERE WINTER STORMS	Winter Weather	none found	
1993-03-16	1993-03-13	EM-3105-PA	Emergency	SEVERE SNOWFALL & WINTER STORM	Winter Weather	none found	
1973-07-17	1973-07-17	DR-400-PA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found	
1972-06-23	1972-06-23	DR-340-PA	Major disaster	TROPICAL STORM AGNES	Inland Flooding (primary); also designated: Hurricane	none found	
1971-09-18	1971-09-18	DR-312-PA	Major disaster	FLOODS	Inland Flooding	none found	
1965-08-18	1965-08-18	DR-206-PA	Major disaster	WATER SHORTAGE	Drought	none found	

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

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

SOURCES

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

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
2003-08-23	2003-07-21	DR-1485-PA	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado		
1959-01-23	1959-01-23	DR-89-PA	Major disaster	FLOODS	Inland Flooding		
1956-08-09	1956-08-09	DR-61-PA	Major disaster	STORM	Hazard not mapped (severe storm title names no single hazard); not counted		
1956-05-21	1956-05-21	DR-58-PA	Major disaster	SEVERE STORM	Hazard not mapped (severe storm title names no single hazard); not counted		
1956-03-15	1956-03-15	DR-51-PA	Major disaster	FLOOD	Inland Flooding		
1955-08-20	1955-08-20	DR-40-PA	Major disaster	FLOODS & RAINS	Inland Flooding		

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

SOURCE

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

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	32		0	1	0	0	1996 to 2026-06-30	Includes 3 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
Drought	44		0	0	1	0	1996 to 2026-06-30	
Earthquake	0		0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	102		1	9	0	0	1955 to 2026-06-30	
Heat Wave	103		1	8	0	0	1996 to 2026-06-30	
Hurricane	3		0	0	8	0	1996 to 2026-06-30	
Ice Storm	4		0	1	1	0	1996 to 2026-06-30	
Inland Flooding	316		23	60	7	0	1996 to 2026-06-30	
Landslide	0		0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	46		0	1	0	0	1996 to 2026-06-30	

Hazard	Storm Events records <i>full period</i>	Since plan approval records	During plan review records	Last 5 years records	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Strong Wind	914		39	158	0	0	1955 to 2026-06-30	Includes 43 High Wind records and 89 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	29		0	1	0	0	1950 to 2026-06-30	
Tsunami	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	2		0	0	0	0	1996 to 2026-06-30	
Winter Weather	281		8	33	6	0	1996 to 2026-06-30	Includes 6 Sleet records, event types the NRI definition of this hazard leaves out.

SOURCES

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

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

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

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2021-09-01	Flash Flood		\$40,000,000 property; \$1,000,000 crops (2021 dollars)	1, 0	NOTTINGHAM to SUPLEE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2011-08-27	Tropical Storm		\$850,000 property; \$0 crops, reported for the zone (2011 dollars)	0, 0	Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2010-02-09	Winter Storm		\$5,000,000 property; \$0 crops, reported for the zone (2010 dollars)	0, 0	Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2006-07-18	Thunderstorm Wind	62 kt (71 mph) measured gust	damage not reported	2, 1	GLENMOORE		deaths or injuries recorded
2003-01-14	Cold/Wind Chill		damage not reported	0, 0	Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2002-08-11	Heat		damage not reported	0, 0	Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
2002-08-01	Heat		damage not reported	3, 0	Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		deaths or injuries recorded

Direct deaths, injuries							
Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	<i>indirect not counted</i>	Location	Flags	Why listed
2001-10-01	Drought		damage not reported	0, 0	Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
1999-11-02	High Wind	58 kt (67 mph), measurement type not recorded	damage not reported	0, 0	Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
1999-07-04	Heat		damage not reported	4, 0	Storm Events area CHESTER (legacy zone code PAZ067), zone-level: may include parts of neighboring counties		deaths or injuries recorded
1994-07-27	Tornado	F3, 4 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 100 yd wide	\$5,000,000 property; crops not recorded (1994 dollars)	0, 11	to 2 SE to E Portion		B1-c worst recorded: Tornado
1989-11-16	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind

The full list is in the XLSX file, sheet "B1-d Storm Events history" (1,876 rows).

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

SOURCES

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

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

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

	FEMA annualized frequency (modeled)				NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)			
Hazard	<i>unit per row</i>	Unit	In plain terms	Descriptor basis		NRI period	Location	Note
Avalanche		events per year				1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding	0.012	events per year at a location (modeled)	about 0.012 per year at a given location in the county	Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	0.916	event-days per year	about 0.916 days per year	Likely	event-days in 13 of 30 years, 1996 to 2025 (43.3%)	17.4	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	4.93	event-days per year	about 4.93 days per year	Likely	event-days in 10 of 30 years, 1996 to 2025 (33.3%)	196	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 4.93 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 10 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Earthquake	0.00136	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.136%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	2.76	events per year	about 2.76 per year	Highly likely	FEMA annualized frequency (modeled)	104.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	9.18	event-days per year	about 9.18 days per year	Likely	event-days in 24 of 30 years, 1996 to 2025 (80%)	109	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0802	events per year	about 1 in 12 years	Possible	FEMA annualized frequency (modeled)	28	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are counted separately in B1-d and need not match.
Ice Storm	1.33	event-days per year	about 1.33 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	90	1946-12-31 to 2014-02-12 (67 years)	countywide	NRI gives about 1.33 ice storm event-days a year here (its annualized frequency over 67 years; not its event count divided by the years), but Storm Events has a record in only 4 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Inland Flooding	5.46	event-days per year	about 5.46 days per year	Highly likely	event-days in 30 of 30 years, 1996 to 2025 (100%)	153	1996 to 2023 (28 years)	see B1-f	
Landslide	0.661	events per year (modeled)	about 0.66 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	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
Lightning	35.7	days per year with a strike	about 35.7 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	7.21	events per year	about 7.21 per year	Highly likely	FEMA annualized frequency (modeled)	274	1986 to 2023 (38 years)	countywide	
Tornado	0.447	events per year	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.0000375	annual probability at a location	chance a given location in the county burns in a year: 0.00375%	Possible	Storm Events records in 2 of 30 years, 1996 to 2025 (6.67%)	not shown	modeled	see B1-f	Descriptor from Storm Events, not NRI: the NRI value is the chance at a location in the county, not how often the hazard affects the county.
Winter Weather	12.1	event-days per year	about 12.1 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	230	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado, hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county, which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

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

Descriptor scale used in this packet (defined per unit)

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

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

Intensity bands: historical frequency (Storm Events)

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	41	30	1.37
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	648	30	21.6
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	2	30	0.0667
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	18	30	0.6
Tornado	EF0-1	1996 to 2025	10	30	0.333
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

SOURCE

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

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

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts rated of all	Risk score min NRI score, 0 to 100	Median	Max	Tracts by rating	Note
Avalanche	0 of 124				Not Applicable 124	
Coastal Flooding	0 of 124				No Rating 124	
Cold Wave	124 of 124	16.4	47.7	79.6	Relatively High 1, Relatively Moderate 64, Relatively Low 58, Very Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	90 of 124	68.0	90.8	99.5	Relatively High 11, Relatively Moderate 28, Relatively Low 40, Very Low 11, No Rating 34	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	124 of 124	28.3	60.3	84.7	Relatively Moderate 2, Relatively Low 117, Very Low 5	
Hail	124 of 124	3.5	25.8	85.2	Relatively Moderate 7, Relatively Low 28, Very Low 89	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is 83% of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Heat Wave	124 of 124	2.3	67.8	92.0	Relatively High 1, Relatively Moderate 97, Relatively Low 25, Very Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	124 of 124	51.9	69.0	90.0	Relatively High 1, Relatively Moderate 10, Relatively Low 113	
Ice Storm	124 of 124	24.4	55.9	84.8	Relatively Moderate 11, Relatively Low 110, Very Low 3	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Inland Flooding	124 of 124	1.9	53.8	94.3	Relatively High 16, Relatively Moderate 54, Relatively Low 45, Very Low 9	
Landslide	124 of 124	12.9	74.4	93.9	Relatively Low 35, Very Low 89	
Lightning	124 of 124	4.7	52.5	90.7	Relatively High 1, Relatively Moderate 75, Relatively Low 47, Very Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	124 of 124	26.9	64.4	92.0	Relatively High 2, Relatively Moderate 103, Relatively Low 19	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	124 of 124	30.3	49.0	76.7	Relatively High 1, Relatively Moderate 34, Relatively Low 89	
Tsunami	0 of 124				Not Applicable 124	
Volcanic Activity	0 of 124				Not Applicable 124	
Wildfire	117 of 124	19.6	42.0	67.6	Very Low 117, No Rating 7	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Winter Weather	124 of 124	46.3	88.3	98.5	Very High 4, Relatively High 109, Relatively Moderate 10, Relatively Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat- flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Chester County	County	Approved, expires 2031-06-29		\$6,372,675.32	0; not yet covered	No NFIP community ID on this member's plan row. Includes \$5,459,819.19 for declarations not counted as hazard incidents (DR-4506-PA).
Atglen borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$9,967.78	11; not yet covered	
Avondale borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 1, SRL 2; any 12	\$19,105.39	12; not yet covered	
Coatesville city	City	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 5	\$74,369.27	29; not yet covered	
Downingtown borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 7; any 57	\$1,340,653.37	55; not yet covered	
Elverson borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$6,416.59	13; not yet covered	
Honey Brook borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$10,720.70	40; not yet covered	
Kennett Square borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 2	\$60,355.91	22; not yet covered	
Malvern borough	Organized Borough	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$51,411.42	12; no approved plan	Includes \$12,201.57 for declarations not counted as hazard incidents (DR-4506-PA).
Modena borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 2	\$16,538.32	10; not yet covered	
Oxford borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$44,059.31	34; not yet covered	Includes \$4,480.39 for declarations not counted as hazard incidents (DR-4506-PA).

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Parkensburg borough	Organized Borough	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$40,230.96	15; no approved plan	
Phoenixville borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 2	\$244,125.63	42; not yet covered	Includes \$24,994.55 for declarations not counted as hazard incidents (DR-4506-PA).
South Coatesville borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$23,811.41	0; not yet covered	
Spring City borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$22,983.99	16; not yet covered	
West Chester borough	Organized Borough	Approved, expires 2031-06-29	FMA RL 1, SRL 5; any 10	\$378,868.15	58; not yet covered	
West Grove borough	Organized Borough	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$20,176.83	9; no approved plan	
Birmingham township	Township	Approved, expires 2031-06-29	FMA RL 1, SRL 0; any 2	\$90,162.28	4; not yet covered	
Caln township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 4	\$1,334,299.53	0; no approved plan	Includes \$11,446.22 for declarations not counted as hazard incidents (DR-4506-PA).
Charlestown township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 1	\$215,187.32	1; not yet covered	
East Bradford township	Township	Approved, expires 2031-06-29	FMA RL 4, SRL 9; any 19	\$141,895.25	0; not yet covered	Includes \$3,808.11 for declarations not counted as hazard incidents (DR-4506-PA).
East Brandywine township	Special District	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$918,278.98	0; not yet covered	
East Caln township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 4	\$79,202.02	0; not yet covered	
East Coventry township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 1; any 3	\$37,612.94	0; not yet covered	
East Fallowfield township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$126,911.68	0; not yet covered	
East Goshen township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$264,572.44	0; no approved plan	Includes \$18,467.67 for declarations not counted as hazard incidents (DR-4506-PA).
East Marlborough township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$58,358.63	0; not yet covered	

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>federal share obligated, nominal dollars</i>	<i>all years; since the member's plan</i>	
East Nantmeal township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$26,552.48	0; not yet covered	
East Nottingham township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$91,610.49	0; not yet covered	
East Pikeland township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 3	\$50,112.29	0; not yet covered	
East Vincent township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 5	\$119,055.64	0; no approved plan	
East Whiteland township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 3	\$243,461.91	0; not yet covered	Includes \$27,788.34 for declarations not counted as hazard incidents (DR-4506-PA).
Easttown township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$147,052.96	0; no approved plan	
Elk township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$42,783.72	0; no approved plan	
Franklin township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$284,561.29	0; not yet covered	
Highland township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$71,542.94	0; no approved plan	
Honey Brook township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$45,187.34	40; no approved plan	
Kennett township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 4	none found	0; no approved plan	
London Britain township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$120,292.10	0; no approved plan	
London Grove township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$281,386.78	5; not yet covered	

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>federal share obligated, nominal dollars</i>	<i>all years; since the member's plan</i>	
Londonderry township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	0; no approved plan	
Lower Oxford township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$421,353.45	0; not yet covered	
New Garden township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$66,904.79	8; no approved plan	
New London township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$174,463.51	1; not yet covered	
Newlin township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 1	\$207,925.08	0; not yet covered	
North Coventry township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 18	\$323,109.28	0; not yet covered	Includes \$5,977.27 for declarations not counted as hazard incidents (DR-4506-PA).
Penn township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$55,839.28	0; not yet covered	
Pennsbury township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 1	none found	0; no approved plan	
Pocopson township	Township	Approved, expires 2031-06-29	FMA RL 4, SRL 6; any 25	\$61,076.34	4; not yet covered	
Sadsbury township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$105,315.32	0; no approved plan	
Schuylkill township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 2	\$644,789.99	0; no approved plan	
South Coventry township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	0; no approved plan	
Thornbury township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$76,749.62	0; no approved plan	

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>federal share obligated, nominal dollars</i>	<i>all years; since the member's plan</i>	
Tredyffrin township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 3; any 15	\$2,620,961.60	1; no approved plan	Includes \$7,249.10 for declarations not counted as hazard incidents (DR-4506-PA).
Upper Oxford township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$186,486.51	0; not yet covered	
Upper Uwchlan township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 1; any 2	\$303,245.18	0; not yet covered	
Uwchlan township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 1	\$1,055,174.72	0; not yet covered	
Valley township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 1; any 2	\$686,186.28	0; not yet covered	
Wallace township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$17,032.89	0; no approved plan	
Warwick township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$28,572.51	2; no approved plan	
West Bradford township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$358,561.05	0; no approved plan	
West Brandywine township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$76,914.12	0; no approved plan	
West Caln township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$84,738.79	0; not yet covered	
West Fallowfield township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$54,176.84	0; not yet covered	
West Goshen township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 2	\$221,351.98	0; no approved plan	Includes \$67,107.77 for declarations not counted as hazard incidents (DR-4506-PA).
West Marlborough township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	none found	0; not yet covered	
West Nantmeal township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$14,240.32	0; not yet covered	

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
West Nottingham township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$28,799.94	0; no approved plan	
West Pikeland township	Township	Plan 109110 approved 2026-06-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$173,240.57	0; no approved plan	
West Sadsbury township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$36,486.27	0; not yet covered	
West Vincent township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 0	\$514,191.02	0; not yet covered	
West Whiteland township	Township	Approved, expires 2031-06-29	FMA RL 2, SRL 4; any 9	\$294,227.42	0; not yet covered	Includes \$7,149.01 for declarations not counted as hazard incidents (DR-4506-PA).
Westtown township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 0; any 1	\$174,286.83	14; not yet covered	
Willistown township	Township	Approved, expires 2031-06-29	FMA RL 0, SRL 1; any 1	\$246,929.45	0; not yet covered	Includes \$47,393.01 for declarations not counted as hazard incidents (DR-4506-PA).

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

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

SOURCES

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

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

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

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

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

Local data required

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2026-06-30 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche											Not Applicable in NRI for this county
Coastal Flooding	\$225,057,800		471	\$0		\$0	0%				
Cold Wave	\$163,728,974,129	\$917,345,253	534,152	\$1,961	\$6,204	\$7,499,466	under 0.0001%				
Drought		\$707,191,980			\$10,080,349		1.43% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$279,141,587,753		534,413	\$7,016,306		\$1,453,365	0.00251%				
Hail	\$163,728,974,129	\$917,345,253	534,152	\$102,824	\$512,808	\$2,539	under 0.0001%				
Heat Wave	\$163,728,974,129	\$917,345,253	534,152	\$9	\$14,041	\$10,603,284	under 0.0001%				
Hurricane	\$163,702,737,476	\$916,922,779	533,983	\$6,409,099	\$3,052,011	\$150,293	0.00392%				
Ice Storm	\$163,728,394,714		534,149	\$454,851		\$538,214	0.000278%				
Inland Flooding	\$163,680,116,925	\$32,688,300	7,366	\$103,237,600	\$1,445,790	\$1,140,767	n/a (see note)				NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b. EAL as % of exposure: n/a.
Landslide	\$5,732,759,218		18,978	\$19,129		\$599	0.000334%				
Lightning	\$163,728,974,129		534,152	\$170,504		\$1,880,160	0.000104%				
Strong Wind	\$163,728,974,129	\$917,345,253	534,152	\$1,566,620	\$86,417	\$2,989,803	0.000957%				
Tornado	\$163,728,974,129	\$917,345,253	534,152	\$5,029,426	\$2,644	\$4,800,064	0.00307%				
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$10,069,527,378	\$99,663,993	53,306	\$19,306	\$21	\$3,873	0.000192%				
Winter Weather	\$163,728,974,129	\$917,345,253	534,152	\$523,533	\$335	\$1,795,754	0.00032%				

Totals since 2026-06-30: Storm Events not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet; Public Assistance on counted declarations none found (0 declarations, 0 with PA).

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

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

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

Measure	Value
Population	534,152
Building value (total, not at risk)	\$163,728,974,129
Agriculture value (total, not at risk)	\$917,345,253
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$139,751,787
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)	\$32,858,180
Social vulnerability rating	Very Low
Community resilience rating	Very High
NRI version	December 2025

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

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	13	Severe repetitive loss, FMA definition (44 CFR 77.2)	43
Repetitive loss, NFIP insurance definition	215	Severe repetitive loss, NFIP insurance definition	37

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

SOURCES

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

Repeat-flood properties: county and state-level rows

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	13	43	215	37	221	4	78
COATESVILLE, CITY OF	0	0	5	0	5	0	1
DOWNINGTOWN, BOROUGH OF	0	7	57	7	57	0	25
EAST BRADFORD TOWNSHIP OF	4	9	18	9	19	0	1
EAST GOSHEN, TOWNSHIP OF	0	0	1	0	1	0	0
EAST VINCENT, TOWNSHIP OF	0	1	5	1	5	0	3
EAST WHITELAND, TOWNSHIP OF	0	0	3	0	3	0	3
KENNETT SQUARE, BOROUGH OF	0	0	2	0	2	0	2
MODENA, BOROUGH OF	0	0	2	0	2	0	2
NORTH COVENTRY, TOWNSHIP OF	0	0	18	0	18	0	5
PENNSBURY, TOWNSHIP OF	0	1	1	1	1	0	0
POCOPSON, TOWNSHIP OF	4	6	25	4	25	0	2
PHOENIXVILLE, BOROUGH OF	0	0	2	0	2	0	1
THORNBURY, TOWNSHIP OF	0	0	1	0	1	0	1
TREDYFFRIN, TOWNSHIP OF	0	3	15	3	15	0	10
WEST CHESTER, BOROUGH OF	1	5	9	4	10	1	2
WEST GOSHEN, TOWNSHIP OF	0	0	2	0	2	0	1
WESTTOWN, TOWNSHIP OF	0	0	1	0	1	0	0
WEST WHITELAND, TOWNSHIP OF	2	4	7	2	9	2	4
VALLEY, TOWNSHIP OF	0	1	2	1	2	0	0
AVONDALE, BOROUGH OF	1	2	12	2	12	0	4
BIRMINGHAM, TOWNSHIP OF	1	0	1	0	2	0	2
CHARLESTOWN, TOWNSHIP OF	0	0	1	0	1	0	0
EAST CALN, TOWNSHIP OF	0	0	4	0	4	0	1
EAST COVENTRY, TOWNSHIP OF	0	1	3	1	3	0	0
EAST PIKELAND, TOWNSHIP OF	0	0	3	0	3	0	1
NEWLIN, TOWNSHIP OF	0	0	1	0	1	0	0
SCHUYLKILL, TOWNSHIP OF	0	0	2	0	2	0	1
UPPER UWCHLAN, TWP OF	0	1	2	1	2	0	1
UWCHLAN, TOWNSHIP OF	0	0	1	0	1	0	1
WEST BRADFORD, TOWNSHIP OF	0	0	1	0	1	0	1
CALN, TOWNSHIP OF	0	0	4	0	4	0	2
WILLISTOWN, TOWNSHIP OF	0	1	0	0	1	1	1
KENNETT, TOWNSHIP OF	0	1	4	1	4	0	0

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>
State level, not in this county: county not reported	0	0	1	0	1	0	0

SOURCES

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

Repeat-flood properties by plan member (NFIP community)

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Atglen borough	420273	0	0	0	0	0	0	0	
Avondale borough	421473	1	2	12	2	12	0	4	
Coatesville city	420274	0	0	5	0	5	0	1	
Downingtown borough	420275	0	7	57	7	57	0	25	
Elverson borough	422287	0	0	0	0	0	0	0	
Honey Brook borough	422692	0	0	0	0	0	0	0	
Kennett Square borough	420280	0	0	2	0	2	0	2	
Malvern borough	420281	0	0	0	0	0	0	0	
Modena borough	420282	0	0	2	0	2	0	2	
Oxford borough	420284	0	0	0	0	0	0	0	
Parkesburg borough	422277	0	0	0	0	0	0	0	
Phoenixville borough	420287	0	0	2	0	2	0	1	
South Coatesville borough	420288	0	0	0	0	0	0	0	
Spring City borough	420289	0	0	0	0	0	0	0	
West Chester borough	420292	1	5	9	4	10	1	2	
West Grove borough	422691	0	0	0	0	0	0	0	
Birmingham township	421474	1	0	1	0	2	0	2	
Caln township	422247	0	0	4	0	4	0	2	
Charlestown township	421475	0	0	1	0	1	0	0	
East Bradford township	420276	4	9	18	9	19	0	1	
East Brandywine township	421476	0	0	0	0	0	0	0	
East Caln township	421477	0	0	4	0	4	0	1	
East Coventry township	421478	0	1	3	1	3	0	0	
East Fallowfield township	421479	0	0	0	0	0	0	0	
East Goshen township	420277	0	0	1	0	1	0	0	
East Marlborough township	421480	0	0	0	0	0	0	0	
East Nantmeal township	421481	0	0	0	0	0	0	0	
East Nottingham township	421482	0	0	0	0	0	0	0	

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
East Pikeland township	421483	0	0	3	0	3	0	1	
East Vincent township	420278	0	1	5	1	5	0	3	
East Whiteland township	420279	0	0	3	0	3	0	3	
Easttown township	422600	0	0	0	0	0	0	0	
Elk township	422286	0	0	0	0	0	0	0	
Franklin township	422288	0	0	0	0	0	0	0	
Highland township	422289	0	0	0	0	0	0	0	
Honey Brook township	422290	0	0	0	0	0	0	0	
Kennett township	422586	0	1	4	1	4	0	0	
London Britain township	422273	0	0	0	0	0	0	0	
London Grove township	422274	0	0	0	0	0	0	0	
Londonderry township	421484	0	0	0	0	0	0	0	
Lower Oxford township	421485	0	0	0	0	0	0	0	
New Garden township	422275	0	0	0	0	0	0	0	
New London township	422276	0	0	0	0	0	0	0	
Newlin township	421486	0	0	1	0	1	0	0	
North Coventry township	420283	0	0	18	0	18	0	5	
Penn township	421487	0	0	0	0	0	0	0	
Pennsbury township	420285	0	1	1	1	1	0	0	
Pocopson township	420286	4	6	25	4	25	0	2	
Sadsbury township	421488	0	0	0	0	0	0	0	
Schuylkill township	421489	0	0	2	0	2	0	1	
South Coventry township	421490	0	0	0	0	0	0	0	
Thornbury township	420290	0	0	1	0	1	0	1	
Tredyffrin township	420291	0	3	15	3	15	0	10	
Upper Oxford township	422278	0	0	0	0	0	0	0	
Upper Uwchlan township	421491	0	1	2	1	2	0	1	
Uwchlan township	421492	0	0	1	0	1	0	1	
Valley township	421206	0	1	2	1	2	0	0	
Wallace township	421493	0	0	0	0	0	0	0	
Warwick township	421494	0	0	0	0	0	0	0	
West Bradford township	421495	0	0	1	0	1	0	1	
West Brandywine township	421496	0	0	0	0	0	0	0	
West Caln township	421497	0	0	0	0	0	0	0	
West Fallowfield township	421577	0	0	0	0	0	0	0	

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
West Goshen township	420293	0	0	2	0	2	0	1	
West Marlborough township	422279	0	0	0	0	0	0	0	
West Nantmeal township	421498	0	0	0	0	0	0	0	
West Nottingham township	422280	0	0	0	0	0	0	0	
West Pikeland township	421151	0	0	0	0	0	0	0	
West Sadsbury township	422281	0	0	0	0	0	0	0	
West Vincent township	421499	0	0	0	0	0	0	0	
West Whiteland township	420295	2	4	7	2	9	2	4	
Westtown township	420294	0	0	1	0	1	0	0	
Willistown township	422282	0	1	0	0	1	1	1	

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

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

SOURCES

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

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

County repeat-flood properties by occupancy group

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	12	30	159	26	164	3	63
2 to 4 unit residential	0	3	9	3	9	0	1
other residential	0	2	10	2	10	0	4
non-residential	1	8	37	6	38	1	10
not reported	0	0	0	0	0	0	0

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

SOURCES

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

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

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

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

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

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

In this county 3 properties are FMA repetitive loss but not NFIP repetitive loss, and 205 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
 4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
 5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
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Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_PA_42029. Preview: automated baseline.