

New Castle County, DE

Risk-assessment baseline packet

Unit **County area 10003** 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.

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Plan clock

Status	Approved, expires 2031-07-06	Plan	New Castle County Hazard Mitigation Plan (FEMA plan 111179)
Approved	2026-07-07	Expires	2031-07-06
As of	2026-09-28	Days	1,742 days to expiry

What changed since your last plan (approved 2026-07-07)

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 17, SRL 23 (44 CFR 77.2); any definition: 152	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: 14 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 <i>negative = days since expiry</i>	Update underway	Notes
New Castle County	County	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		member approved 2026-07-14
Arden village	Village	Plan 111179 approved 2026-07-07, pending adoption here; not yet eligible	New Castle County Hazard Mitigation Plan (FEMA plan 111179), pending adoption here	2026-07-07 by FEMA; not yet adopted here	2031-07-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Ardencroft village	Village	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		
Ardentown village	Village	Plan 111179 approved 2026-07-07, pending adoption here; not yet eligible	New Castle County Hazard Mitigation Plan (FEMA plan 111179), pending adoption here	2026-07-07 by FEMA; not yet adopted here	2031-07-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Bellevue town	Town	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		
Delaware City city	City	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		member approved 2026-04-14
Elsmere town	Town	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		member approved 2026-04-09
Middletown town	Town	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		
New Castle city	City	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		
Newark city	City	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		
Newport town	Town	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		
Odessa town	Town	Plan 111179 approved 2026-07-07, pending adoption here; not yet eligible	New Castle County Hazard Mitigation Plan (FEMA plan 111179), pending adoption here	2026-07-07 by FEMA; not yet adopted here	2031-07-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Townsend town	Town	Plan 111179 approved 2026-07-07, pending adoption here; not yet eligible	New Castle County Hazard Mitigation Plan (FEMA plan 111179), pending adoption here	2026-07-07 by FEMA; not yet adopted here	2031-07-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Wilmington city	City	Approved, expires 2031-07-06	New Castle County Hazard Mitigation Plan (FEMA plan 111179)	2026-07-07	2031-07-06	1,742		member approved 2026-07-22

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	\$141,673,900	\$189,136	\$8,626,105	\$150,489,142	253		
2	Cold Wave	Relatively High	Relatively High	\$3,510	\$678	\$10,462,166	\$10,466,354	31		Includes 3 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
3	Earthquake	Relatively Moderate	Relatively Moderate	\$7,158,412		\$2,081,659	\$9,240,071			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
4	Heat Wave	Relatively Moderate	Relatively Moderate	\$9	\$2,278	\$7,050,397	\$7,052,684	95		
5	Tornado	Relatively Moderate	Relatively Moderate	\$3,739,440	\$191	\$3,214,235	\$6,953,865	7		
6	Hurricane	Relatively Moderate	Relatively Moderate	\$6,005,717	\$318,865	\$168,545	\$6,493,127	3		
7	Coastal Flooding	Relatively High	Relatively High	\$3,718,237		\$14,488	\$3,732,726	35		

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
8	Winter Weather	Very High	Very High	\$645,261	\$25	\$1,842,395	\$2,487,681	211		Includes 4 Sleet records, event types the NRI definition of this hazard leaves out.
9	Strong Wind	Relatively High	Relatively High	\$1,446,329	\$52,219	\$542,578	\$2,041,126	540		Includes 48 High Wind records and 114 Strong Wind records, event types the NRI definition of this hazard leaves out.
10	Drought	Relatively Moderate	Relatively Moderate		\$1,287,925		\$1,287,925	49		
11	Ice Storm	Relatively High	Relatively High	\$622,527		\$290,925	\$913,452	2		
12	Lightning	Relatively Moderate	Relatively Moderate	\$142,562		\$704,648	\$847,209	49		
13	Hail	Very Low	Very Low	\$28,213	\$66,846	\$2,376	\$97,434	62		
14	Wildfire	Very Low	Relatively Low	\$79,230	\$38	\$15,539	\$94,808	4		
15	Landslide	Relatively Low	Relatively Low	\$11,606		\$64	\$11,670	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	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	Insufficient Data	Insufficient Data					0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	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 144
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.	55 of 144
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	144 of 144
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	52 of 144
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.	144 of 144
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	144 of 144
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	144 of 144
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.	144 of 144
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	144 of 144
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.	144 of 144
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.	144 of 144
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	144 of 144
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	144 of 144
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.	144 of 144
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 144
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 144
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.	121 of 144
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	144 of 144

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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	35, 1999 to 2024 (35 zone- level)		Coastal Flood, 2012-10-30, \$2,300,000 property; \$0 crops, reported for the zone (2012 dollars); NWS zone DEZ001 (NEW CASTLE), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	28, 1996 to 2022 (28 zone- level)	1 day to 16 days (median 2 days); 23 with a recorded value	16 consecutive days, 2003-01-14 to 2003-01-29, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required. 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, 2000 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	49, 1997 to 2012 (49 zone- level)	1 day to 280 days (median 17.5 days); 18 with a recorded value	280 days (about 9.2 months), 2007-08-01 to 2008-05-06, a run of 10 consecutive Storm Events drought records, zone- level	Drought, 1999-09-01, property not reported; \$1,000,000 crops, reported for the zone (1999 dollars)	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)	73, 1970 to 2023	0.75 in to 2.5 in (median 0.88 in); 73 with a recorded value	2.5 in hail, 2014-05-22	Hail, 1993-04-01, \$5,000 property; crops not recorded (1993 dollars)	Event records naming member places: Newark city (9 records), Wilmington city (6 records), New Castle city (5 records), Middletown town (2 records), Townsend town (2 records), Odessa town (1 record).	
Excessive Heat, Heat	heat index (narratives)	95, 1996 to 2026 (95 zone- level)	1 day to 10 days (median 2 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	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, \$0 property; \$0 crops, reported for the zone (2011 dollars); NWS zone DEZ001 (NEW CASTLE), 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)	2, 2011 to 2014 (2 zone- level)		No damage reported in 2 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)	253, 1996 to 2026 (25 zone- level)		Flash Flood, 2003-09-15, \$16,100,000 property; crops not reported (2003 dollars), 1 direct injury		Event records naming member places: Wilmington city (10 records), Townsend town (7 records), Middletown town (5 records), Newark city (5 records), New Castle city (3 records), Odessa town (3 records), Bellefonte town (1 record). Zone- level records (25) 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)	49, 1996 to 2025		Lightning, 2008-07-23, \$500,000 property; \$0 crops (2008 dollars)		Event records naming member places: Middletown town (7 records), Newark city (6 records), Odessa town (2 records), Wilmington city (2 records), Newport town (1 record), Townsend town (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	162, 1996 to 2026 (162 zone-level)	33 kt (38 mph) to 58 kt (67 mph) (median 41 kt (47 mph)); 132 with a recorded value	58 kt (67 mph) measured gust, High Wind, 2012-10-29; NWS zone DEZ001 (NEW CASTLE), zone-level: may include parts of neighboring counties	High Wind, 2003-09-18, \$9,500,000 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.	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Thunderstorm Wind	wind speed (kt and mph)	444, 1960 to 2026	43 kt (49 mph) to 78 kt (90 mph) (median 50 kt (58 mph)); 384 with a recorded value	78 kt (90 mph), measurement type not recorded, Thunderstorm Wind, 1989-11-16	Thunderstorm Wind, 2009-08-09, \$500,000 property; \$0 crops (2009 dollars)	Event records naming member places: Newark city (37 records), Middletown town (23 records), Wilmington city (19 records), Odessa town (10 records), Townsend town (9 records), New Castle city (7 records), Arden village (5 records), Bellefonte town (3 records), Newport town (2 records).	
Tornado	Enhanced Fujita (F before Feb 2007)	28, 1954 to 2024	F/EF0 to F/EF3 (median F/EF1); 26 with a recorded value	F3 tornado, 1961-04-28, 0.3 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 30 yd wide, \$25,000 property; crops not recorded (1961 dollars)	Tornado, 1989-06-09, \$2,500,000 property; crops not recorded (1989 dollars)	Event records naming member places: Delaware City city (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)	4, 2002 to 2013 (4 zone-level)		No damage reported in 4 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.
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	211, 1996 to 2026 (211 zone-level)		Winter Storm, 2010-02-09, \$3,000,000 property; \$0 crops, reported for the zone (2010 dollars), 1 direct death (reported for the zone); NWS zone DEZ001 (NEW CASTLE), 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.

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

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

SOURCES

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

Supports B1-d: previous occurrences

Declaration rows 17 Counted incidents 13

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
2021-10-24	2021-09-01	DR-4627-DE	Major disaster	REMNANTS OF HURRICANE IDA	Hurricane	\$2,463,394.02	within last 5 years	
2020-10-02	2020-08-04	DR-4566-DE	Major disaster	TROPICAL STORM ISAIAS	Hurricane	\$1,256,762.24		
2020-04-05	2020-01-20	DR-4526-DE	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$11,243,058.99		
2020-03-13	2020-01-20	EM-3449-DE	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4526
2012-11-16	2012-10-27	DR-4090-DE	Major disaster	HURRICANE SANDY	Hurricane	\$938,350.74		
2012-10-29	2012-10-27	EM-3357-DE	Emergency	HURRICANE SANDY	Hurricane	none found		same incident as DR-4090
2011-08-28	2011-08-26	EM-3336-DE	Emergency	HURRICANE IRENE	Hurricane	\$314,701.17		
2010-03-31	2010-02-05	DR-1896-DE	Major disaster	SEVERE WINTER STORMS AND SNOWSTORMS	Winter Weather	\$2,009,233.93		
2005-09-30	2005-08-29	EM-3263-DE	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found		
2004-11-15	2004-09-28	DR-1572-DE	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING FROM THE REMNANTS OF	Inland Flooding; Tornado	\$331,074.46		
2003-09-23	2003-09-15	DR-1495-DE	Major disaster	TROPICAL STORM HENRI	Hurricane	\$7,671,187.26		
2003-09-20	2003-09-18	DR-1494-DE	Major disaster	HURRICANE ISABEL	Hurricane	\$953,948.59		
2003-03-20	2003-02-14	EM-3183-DE	Emergency	SNOW	Winter Weather	\$1,079,508.06		
1999-09-21	1999-09-15	DR-1297-DE	Major disaster	HURRICANE FLOYD MAJOR DISASTER DECLARATIONS	Hurricane	\$2,546,721.52		
1996-01-12	1996-01-06	DR-1082-DE	Major disaster	BLIZZARD OF 96 (SEVERE SNOW STORM)	Winter Weather	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1993-03-18	1993-03-13	EM-3111-DE	Emergency	SEVERE SNOWFALL & WINTER STORM	Winter Weather	none found		
1965-08-18	1965-08-18	DR-207-DE	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
1962-03-09	1962-03-09	DR-126-DE	Major disaster	SEVERE STORMS, HIGH TIDES & FLOODING	Inland Flooding (primary); also designated: Coastal Flooding		

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

SOURCE

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

Public Assistance filed under this county for declarations that do not list it: 2 rows, \$27,736.14

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-4265-DE	2016-03-16	SEVERE WINTER STORM AND SNOWSTORM	University of Delaware	\$22,567.01
DR-4037-DE	2011-09-30	HURRICANE IRENE	Connections Community Support Programs (CSP), Inc.	\$5,169.13

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

SOURCES

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

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval <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	35		0	6	0	0	1996 to 2026-06-30	
Cold Wave	31		0	1	0	0	1996 to 2026-06-30	Includes 3 Frost/Freeze records, event types the NRI definition of this hazard leaves out.

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
Drought	49		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	73		0	7	0	0	1955 to 2026-06-30	
Heat Wave	95		4	11	0	0	1996 to 2026-06-30	
Hurricane	3		0	0	7	0	1996 to 2026-06-30	
Ice Storm	2		0	0	0	0	1996 to 2026-06-30	
Inland Flooding	253		12	28	1	0	1996 to 2026-06-30	
Landslide	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	49		0	4	0	0	1996 to 2026-06-30	
Strong Wind	606		15	83	0	0	1955 to 2026-06-30	Includes 48 High Wind records and 114 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	28		0	2	1	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	4		0	0	0	0	1996 to 2026-06-30	
Winter Weather	211		6	24	4	0	1996 to 2026-06-30	Includes 4 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
2012-10-30	Coastal Flood		\$2,300,000 property; \$0 crops, reported for the zone (2012 dollars)	0, 0	NWS zone DEZ001 (NEW CASTLE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Coastal Flood, Storm Surge/Tide

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2012-10-29	High Wind	58 kt (67 mph) measured gust	\$500,000 property; \$0 crops, reported for the zone (2012 dollars)	0, 0	NWS zone DEZ001 (NEW CASTLE), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2011-08-27	Flash Flood		\$0 property; \$0 crops (2011 dollars)	2, 0	MILFORD XRDS to DELANEYS CORNER		deaths or injuries recorded
2011-08-27	Tropical Storm		\$0 property; \$0 crops, reported for the zone (2011 dollars)	0, 0	NWS zone DEZ001 (NEW CASTLE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2010-02-09	Winter Storm		\$3,000,000 property; \$0 crops, reported for the zone (2010 dollars)	1, 0	NWS zone DEZ001 (NEW CASTLE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2003-09-15	Flash Flood		\$16,100,000 property; crops not reported (2003 dollars)	0, 1	NORTH PORTION		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2003-01-14	Cold/Wind Chill		damage not reported	0, 0	NWS zone DEZ001 (NEW CASTLE), 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	NWS zone DEZ001 (NEW CASTLE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
1999-09-16	Flash Flood		\$8,000,000 property; crops not reported (1999 dollars)	2, 1	COUNTYWIDE		deaths or injuries recorded
1999-07-04	Heat		damage not reported	2, 5	NWS zone DEZ001 (NEW CASTLE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
1989-11-16	Thunderstorm Wind	78 kt (90 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1961-04-28	Tornado	F3, 0.3 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 30 yd wide	\$25,000 property; crops not recorded (1961 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (1,439 rows).

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

SOURCES

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

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

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding	3.69	events per year at a location (modeled)	about 3.7 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	0.79	event-days per year	about 0.79 days per year	Likely	event-days in 12 of 30 years, 1996 to 2025 (40%)	15	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	5.9	event-days per year	about 5.9 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 5.9 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	0.00162	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.162%			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	2.28	events per year	about 2.28 per year	Highly likely	FEMA annualized frequency (modeled)	88.9 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	11.2	event-days per year	about 11.2 days per year	Likely	event-days in 26 of 30 years, 1996 to 2025 (86.7%)	127	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0895	events per year	about 1 in 11 years	Possible	FEMA annualized frequency (modeled)	16	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.

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
Ice Storm	1.03	event-days per year	about 1.03 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	63	1946-12-31 to 2014-02-12 (67 years)	countywide	NRI gives about 1.03 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 2 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	6.57	event-days per year	about 6.57 days per year	Highly likely	event-days in 28 of 30 years, 1996 to 2025 (93.3%)	184	1996 to 2023 (28 years)	see B1-f	
Landslide	0.138	events per year (modeled)	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	35.1	days per year with a strike	about 35.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	6.32	events per year	about 6.32 per year	Highly likely	FEMA annualized frequency (modeled)	217	1986 to 2023 (38 years)	countywide	
Tornado	0.257	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)			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)
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.000483	annual probability at a location	chance a given location in the county burns in a year: 0.0483%	Likely	Storm Events records in 4 of 30 years, 1996 to 2025 (13.3%)	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	10.4	event-days per year	about 10.4 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	197	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	31	30	1.03
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	351	30	11.7
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	8	30	0.267
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	7	30	0.233
Tornado	EF0-1	1996 to 2025	5	30	0.167
Tornado	EF2-3	1996 to 2025	2	30	0.0667
Tornado	EF4-5	1996 to 2025	0	30	0

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

SOURCE

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

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

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 144				Not Applicable 144	
Coastal Flooding	55 of 144	69.5	80.1	99.6	Very High 1, Relatively High 5, Relatively Moderate 12, Relatively Low 13, Very Low 24, No Rating 89	
Cold Wave	144 of 144	15.6	57.2	79.5	Relatively High 2, Relatively Moderate 110, Relatively Low 31, 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	52 of 144	67.4	82.2	97.2	Relatively Moderate 11, Relatively Low 25, Very Low 16, No Rating 92	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	144 of 144	17.9	61.2	82.9	Relatively Moderate 9, Relatively Low 118, Very Low 17	
Hail	144 of 144	1.1	5.2	49.8	Relatively Low 4, Very Low 140	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 69% 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	144 of 144	1.3	55.6	82.0	Relatively Moderate 71, Relatively Low 72, 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	144 of 144	48.4	63.7	84.2	Relatively Moderate 6, Relatively Low 136, Very Low 2	
Ice Storm	144 of 144	6.3	52.6	87.1	Relatively Moderate 15, Relatively Low 109, Very Low 20	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	144 of 144	1.0	70.5	99.7	Very High 9, Relatively High 48, Relatively Moderate 37, Relatively Low 36, Very Low 14	
Landslide	144 of 144	15.1	47.5	95.9	Relatively Moderate 2, Relatively Low 10, Very Low 132	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Lightning	144 of 144	0.6	30.7	59.0	Relatively Moderate 4, Relatively Low 114, Very Low 26	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	144 of 144	10.7	40.0	81.5	Relatively Moderate 27, Relatively Low 112, Very Low 5	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	144 of 144	7.2	41.7	72.5	Relatively Moderate 14, Relatively Low 117, Very Low 13	
Tsunami	0 of 144				Insufficient Data 144	
Volcanic Activity	0 of 144				Not Applicable 144	
Wildfire	121 of 144	19.0	39.7	83.3	Relatively Low 18, Very Low 103, No Rating 23	
Winter Weather	144 of 144	25.6	89.7	98.2	Very High 9, Relatively High 115, Relatively Moderate 19, 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
New Castle County	County	Approved, expires 2031-07-06	FMA RL 16, SRL 20; any 121	\$11,289,347.27	0; not yet covered	Includes \$9,244,349.75 for declarations not counted as hazard incidents (DR-4526-DE).
Arden village	Village	Plan 111179 approved 2026-07-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$8,773.50	5; no approved plan	
Ardencroft village	Village	Approved, expires 2031-07-06	FMA RL 0, SRL 0; any 0	\$2,004.38	0; not yet covered	
Ardentown village	Village	Plan 111179 approved 2026-07-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$3,795	0; no approved plan	
Bellefonte town	Town	Approved, expires 2031-07-06	FMA RL 0, SRL 0; any 0	\$6,881.25	4; 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
Delaware City city	City	Approved, expires 2031-07-06	FMA RL 0, SRL 0; any 2	\$222,864.50	1; not yet covered	
Elsmere town	Town	Approved, expires 2031-07-06	FMA RL 0, SRL 1; any 2	\$72,900.24	0; not yet covered	
Middletown town	Town	Approved, expires 2031-07-06	FMA RL 0, SRL 0; any 0	\$211,649.97	37; not yet covered	
New Castle city	City	Approved, expires 2031-07-06	FMA RL 0, SRL 0; any 2	\$19,788.18	15; not yet covered	
Newark city	City	Approved, expires 2031-07-06	FMA RL 0, SRL 0; any 6	\$599,724.46	57; not yet covered	
Newport town	Town	Approved, expires 2031-07-06	FMA RL 1, SRL 0; any 1	\$18,329.19	3; not yet covered	
Odessa town	Town	Plan 111179 approved 2026-07-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$13,586.89	16; no approved plan	
Townsend town	Town	Plan 111179 approved 2026-07-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$3,513.50	19; no approved plan	
Wilmington city	City	Approved, expires 2031-07-06	FMA RL 0, SRL 2; any 18	\$2,382,959.94	37; not yet covered	Includes \$324,977.50 for declarations not counted as hazard incidents (DR-4526-DE).

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 2026-07-07 <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	\$5,085,637,043		13,765	\$3,718,237		\$14,488	0.0731%				
Cold Wave	\$137,153,132,886	\$79,948,852	570,089	\$3,510	\$678	\$10,462,166	under 0.0001%				
Drought		\$39,449,486			\$1,287,925		3.26% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$236,592,431,514		570,719	\$7,158,412		\$2,081,659	0.00303%				
Hail	\$137,153,132,886	\$79,948,852	570,089	\$28,213	\$66,846	\$2,376	under 0.0001%				
Heat Wave	\$137,153,132,886	\$79,948,852	570,089	\$9	\$2,278	\$7,050,397	under 0.0001%				
Hurricane	\$137,144,143,357	\$79,547,673	570,026	\$6,005,717	\$318,865	\$168,545	0.00438%				
Ice Storm	\$137,091,391,376		569,691	\$622,527		\$290,925	0.000454%				
Inland Flooding	\$137,082,608,444	\$2,935,970	9,862	\$141,673,900	\$189,136	\$8,626,105	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	\$1,614,118,039		6,054	\$11,606		\$64	0.000719%				
Lightning	\$137,153,132,886		570,089	\$142,562		\$704,648	0.000104%				
Strong Wind	\$137,153,132,886	\$79,948,852	570,089	\$1,446,329	\$52,219	\$542,578	0.00105%				
Tornado	\$137,153,132,886	\$79,948,852	570,089	\$3,739,440	\$191	\$3,214,235	0.00273%				
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$3,853,477,569	\$10,264,871	34,804	\$79,230	\$38	\$15,539	0.00206%				
Winter Weather	\$137,153,132,886	\$79,948,852	570,089	\$645,261	\$25	\$1,842,395	0.00047%				

Totals since 2026-07-07: 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	570,089
Building value (total, not at risk)	\$137,153,132,886
Agriculture value (total, not at risk)	\$79,948,852
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$167,193,154
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)	\$35,016,119
Social vulnerability rating	Relatively Low
Community resilience rating	Very High
NRI version	December 2025

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

SOURCE

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

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	17	Severe repetitive loss, FMA definition (44 CFR 77.2)	23
Repetitive loss, NFIP insurance definition	140	Severe repetitive loss, NFIP insurance definition	23

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	17	23	140	23	152	12	39
DELAWARE CITY, CITY OF	0	0	2	0	2	0	0
ELSMERE, TOWN OF	0	1	2	1	2	0	0
NEWARK,CITY OF	0	0	6	0	6	0	1
NEW CASTLE, CITY OF	0	0	2	0	2	0	0
WILMINGTON, CITY OF	0	2	18	2	18	0	5
NEWPORT, TOWN OF	1	0	1	0	1	0	0
NEW CASTLE COUNTY *	16	20	109	20	121	12	33
State level, not in this county: county not reported	0	0	1	0	1	0	0

SOURCESFEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)**Repeat-flood properties by plan member (NFIP community)**

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
New Castle County	105085	16	20	109	20	121	12	33	
Arden village	100052	0	0	0	0	0	0	0	
Ardencroft village	100057	0	0	0	0	0	0	0	
Ardentown village	100058	0	0	0	0	0	0	0	
Bellefonte town	100021	0	0	0	0	0	0	0	
Delaware City city	100022	0	0	2	0	2	0	0	
Elsmere town	100023	0	1	2	1	2	0	0	
Middletown town	100024	0	0	0	0	0	0	0	
New Castle city	100026	0	0	2	0	2	0	0	
Newark city	100025	0	0	6	0	6	0	1	
Newport town	100054	1	0	1	0	1	0	0	
Odessa town	100066	0	0	0	0	0	0	0	
Townsend town	100068	0	0	0	0	0	0	0	
Wilmington city	100028	0	2	18	2	18	0	5	

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.

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

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	16	4	76	5	86	10	27
2 to 4 unit residential	0	1	3	1	3	0	0
other residential	0	1	4	1	4	0	2
non-residential	1	17	57	16	59	2	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 10 properties are FMA repetitive loss but not NFIP repetitive loss, and 133 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-28, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip, <https://www2.census.gov/geo/docs/maps-data/data/>

gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip, https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

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Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_DE_10003. Preview: automated baseline.