

Ulster County, NY

Risk-assessment baseline packet

Unit **County area 36111** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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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 2029-09-19	Plan	Ulster County 2024 (FEMA plan 109884)
Approved	2024-09-20	Expires	2029-09-19
As of	2026-09-28	Days	1,087 days to expiry

What changed since your last plan (approved 2024-09-20)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	100 (data through 2026-06-30)
Repetitive loss now	FMA RL 27, SRL 29 (44 CFR 77.2); any definition: 193	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: 25 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
Ulster County	County	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2024-11-01
Ellenville village	Village	Plan 109884 approved 2024-09-20, pending adoption here; not yet eligible	Ulster County 2024 (FEMA plan 109884), pending adoption here	2024-09-20 by FEMA; not yet adopted here	2029-09-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Kingston city	City	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-01-21
New Paltz village	Village	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-08-15
Saugerties village	Village	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-08-05
Denning town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		
Esopus town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2024-10-29
Gardiner town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-01-21
Hardenburgh town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-02-10
Hurley town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-06-10
Kingston town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-09-10
Lloyd town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2024-09-24
Marbletown town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-03-03
Marlborough town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-01-21

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
New Paltz town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-09-10
Olive town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-02-03
Plattekill town	Town	Plan 109884 approved 2024-09-20, pending adoption here; not yet eligible	Ulster County 2024 (FEMA plan 109884), pending adoption here	2024-09-20 by FEMA; not yet adopted here	2029-09-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Rochester town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-08-05
Rosendale town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		
Saugerties town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		
Shandaken town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		
Shawangunk town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-08-15
Ulster town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		
Wawarsing town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		
Woodstock town	Town	Approved, expires 2029-09-19	Ulster County 2024 (FEMA plan 109884)	2024-09-20	2029-09-19	1,087		member approved 2025-09-10

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 Moderate	Relatively Moderate	\$44,147,465	\$424,185	\$880,635	\$45,452,285	214		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
2	Tornado	Relatively Moderate	Relatively Moderate	\$1,694,996	\$1,076	\$4,159,444	\$5,855,517	5		
3	Hurricane	Relatively Moderate	Relatively Moderate	\$4,328,020	\$163,385	\$134,918	\$4,626,324	1		
4	Cold Wave	Relatively Moderate	Relatively Moderate	\$1,007	\$1,104,581	\$2,756,580	\$3,862,167	91		Includes 29 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
5	Strong Wind	Relatively High	Relatively High	\$566,926	\$3,048	\$1,611,748	\$2,181,722	610		Includes 45 High Wind records and 63 Strong Wind records, event types the NRI definition of this hazard leaves out.
6	Earthquake	Relatively Low	Relatively Low	\$1,455,774		\$221,208	\$1,676,982			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
7	Hail	Relatively Moderate	Relatively Moderate	\$19,720	\$685,572	\$288,852	\$994,144	106		
8	Lightning	Relatively High	Relatively Moderate	\$55,411		\$831,786	\$887,197	24		
9	Heat Wave	Relatively Low	Relatively Low	under \$1	\$9,092	\$741,253	\$750,345	89		
10	Ice Storm	Relatively Moderate	Relatively Moderate	\$224,224		\$21,507	\$245,731	2		
11	Coastal Flooding	Relatively Low	Relatively Low	\$218,200		\$3,172	\$221,372	3		
12	Drought	Relatively Low	Relatively Low		\$136,703		\$136,703	4		
13	Winter Weather	Relatively Moderate	Relatively Moderate	\$35,882	\$31	\$83,423	\$119,336	234		
14	Landslide	Relatively Moderate	Relatively Low	\$85,121		\$15,725	\$100,846	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.
15	Wildfire	Very Low	Very Low	\$44,336	\$16	\$8,428	\$52,779	5		
16	Avalanche	Relatively Low	Very Low	\$0		\$4,993	\$4,993	1		
	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.	15 of 50
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.	14 of 50
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	50 of 50
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	25 of 50
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.	50 of 50
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	50 of 50
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	50 of 50
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.	50 of 50
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	50 of 50
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.	50 of 50
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.	50 of 50
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	50 of 50
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	50 of 50
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.	50 of 50
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 50
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 50
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.	48 of 50
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	50 of 50

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)	1, 2020 to 2020 (1 zone-level)		No damage reported in 1 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	3, 2012 to 2018 (3 zone-level)		No damage reported in 3 records.		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	62, 1996 to 2026 (62 zone-level)	1 day to 6 days (median 2 days); 40 with a recorded value	6 consecutive days, 2026-01-28 to 2026-02-02, 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	29, 2002 to 2023 (29 zone-level)		Frost/Freeze, 2008-05-01, \$16,700,000 crop damage, reported for the zone (2008 dollars); NWS zone NYZ064 (EASTERN ULSTER), zone-level: may include parts of neighboring counties		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	4, 1999 to 2024 (4 zone-level)	30 days to 35 days (median 31 days); 3 with a recorded value	35 days (about 1.1 months), 2024-11-12 to 2024-12-16, a run of 2 consecutive Storm Events drought records, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	123, 1975 to 2025	0.75 in to 2 in (median 0.88 in); 123 with a recorded value	2 in hail, 2003-08-13	Hail, 2008-06-16, \$0 property; \$16,600,000 crops (2008 dollars)	Event records naming member places: Kingston city (15 records), Kingston town (15 records), New Paltz town (6 records), New Paltz village (6 records), Woodstock town (5 records), Ellenville village (3 records), Marbletown town (2 records), Rosendale town (2 records), Saugerties town (2 records), Saugerties village (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)	89, 1998 to 2026 (89 zone-level)	1 day to 6 days (median 2 days); 51 with a recorded value	6 consecutive days, 2024-06-18 to 2024-06-23, 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	1, 2011 to 2011 (1 zone-level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Tropical Storm record, 2011-08-28, \$0 property; \$0 crops, reported for the zone (2011 dollars); NWS zone NYZ063 (WESTERN ULSTER), 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, 2008 to 2022 (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)	214, 1996 to 2024 (48 zone-level)		Flash Flood, 2000-07-14, \$6,000,000 property; crops not reported (2000 dollars)		Event records naming member places: New Paltz town (9 records), New Paltz village (9 records), Saugerties town (7 records), Saugerties village (7 records), Shandaken town (7 records), Kingston city (6 records), Kingston town (6 records), Denning town (3 records), Marbletown town (3 records), Woodstock town (3 records); and 7 more member places (see the XLSX file). Zone-level records (48) 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)	24, 1996 to 2023		Lightning, 2009-07-03, \$0 property; \$0 crops (2009 dollars), 1 direct death	Lightning, 1997-07-15, \$250,000 property; crops not reported (1997 dollars)	Event records naming member places: Kingston city (4 records), Kingston town (4 records), Saugerties town (2 records), Saugerties village (2 records), Woodstock town (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	108, 1996 to 2026 (108 zone-level)	28 kt (32 mph) to 75 kt (86 mph) (median 45 kt (52 mph)); 89 with a recorded value	75 kt (86 mph) estimated gust, High Wind, 2005-08-30; NWS zone NYZ064 (EASTERN ULSTER), zone-level: may include parts of neighboring counties	High Wind, 1999-09-16, \$500,000 property; crops not reported, reported for the zone (1999 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	625, 1963 to 2026	45 kt (52 mph) to 90 kt (104 mph) (median 50 kt (58 mph)); 439 with a recorded value	90 kt (104 mph), measurement type not recorded, Thunderstorm Wind, 1999-07-06	Thunderstorm Wind, 2004-05-13, \$500,000 property; crops not reported (2004 dollars)	Event records naming member places: Kingston city (30 records), Kingston town (30 records), New Paltz town (20 records), New Paltz village (20 records), Esopus town (19 records), Saugerties town (18 records), Saugerties village (18 records), Ellenville village (17 records), Hurley town (16 records), Woodstock town (14 records); and 8 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	14, 1975 to 2024	F/EF0 to F/EF2 (median F/EF1); 14 with a recorded value	F2 tornado, 1986-07-26, 0.5 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, \$2,500,000 property; crops not recorded (1986 dollars), 2 direct injuries		Event records naming member places: Esopus town (1 record), Hurley town (1 record), Kingston city (1 record), Kingston town (1 record), Saugerties town (1 record), Saugerties village (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)	5, 2002 to 2024 (5 zone-level)		Wildfire, 2024-11-08, \$20,000 property; crops not reported, reported for the zone (2024 dollars), 1 direct injury (reported for the zone); NWS zone NYZ063 (WESTERN ULSTER), zone-level: may include parts of neighboring counties		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)	234, 1996 to 2026 (234 zone-level)		Winter Storm, 1997-03-31, \$1,000,000 property; crops not reported, reported for the zone (1997 dollars); NWS zone NYZ063 (WESTERN ULSTER), 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 37 Counted incidents 28

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
2021-09-05	2021-09-01	DR-4615-NY	Major disaster	REMNANTS OF HURRICANE IDA	Hurricane	none found		
2021-09-02	2021-09-01	EM-3572-NY	Emergency	REMNANTS OF HURRICANE IDA	Hurricane	none found		same incident as DR-4615
2021-08-22	2021-08-21	EM-3565-NY	Emergency	HURRICANE HENRI	Hurricane	none found		
2020-03-20	2020-01-20	DR-4480-NY	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$10,239,074.27		
2020-03-13	2020-01-20	EM-3434-NY	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4480
2017-07-12	2017-03-14	DR-4322-NY	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$932,465.15		
2012-10-30	2012-10-27	DR-4085-NY	Major disaster	HURRICANE SANDY	Hurricane	\$5,143,472.86		
2012-10-28	2012-10-27	EM-3351-NY	Emergency	HURRICANE SANDY	Hurricane	none found		same incident as DR-4085

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2011-09-13	2011-09-07	DR-4031-NY	Major disaster	REMNANTS OF TROPICAL STORM LEE	Hurricane	\$208,869.30		
2011-08-31	2011-08-26	DR-4020-NY	Major disaster	HURRICANE IRENE	Hurricane	\$21,298,521.08		
2011-08-26	2011-08-25	EM-3328-NY	Emergency	HURRICANE IRENE	Hurricane	none found		same incident as DR-4020
2011-06-10	2011-04-26	DR-1993-NY	Major disaster	SEVERE STORMS, FLOODING, TORNADOES, AND STRAIGHT-LINE WINDS	Inland Flooding (primary); also designated: Strong Wind, Tornado	\$248,817.99		
2008-12-18	2008-12-11	EM-3299-NY	Emergency	SEVERE WINTER STORM	Winter Weather	none found		
2007-07-02	2007-06-19	DR-1710-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$459,773.51		
2007-04-24	2007-04-14	DR-1692-NY	Major disaster	SEVERE STORMS AND INLAND AND COASTAL FLOODING	Coastal Flooding	\$4,301,908.34		
2006-07-01	2006-06-26	DR-1650-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$1,924,539.36		
2005-09-30	2005-08-29	EM-3262-NY	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found		
2005-04-19	2005-04-02	DR-1589-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$8,154,128.05		
2004-10-01	2004-09-16	DR-1565-NY	Major disaster	TROPICAL DEPRESSION IVAN	Hurricane	\$916,083.06		
2004-10-01	2004-08-13	DR-1564-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$1,069,615.07		
2004-08-03	2004-05-13	DR-1534-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$295,376.50		
2003-08-23	2003-08-14	EM-3186-NY	Emergency	POWER OUTAGE	Non-natural, not counted	\$8,583.07		
2003-03-27	2003-02-17	EM-3184-NY	Emergency	SNOW	Winter Weather	\$518,795.77		
2003-02-25	2002-12-25	EM-3173-NY	Emergency	SNOWSTORMS	Winter Weather	\$1,101,945.13		
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	FIRES AND EXPLOSIONS	Non-natural, not counted	\$0		
2000-10-11	2000-05-22	EM-3155-NY	Emergency	WEST NILE VIRUS	Non-natural, not counted	none found		
2000-07-21	2000-05-03	DR-1335-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$1,201,872.41		
1999-09-19	1999-09-16	DR-1296-NY	Major disaster	HURRICANE FLOYD MAJOR DISASTER DECLARATIONS	Hurricane	\$355,944.66		
1996-01-24	1996-01-19	DR-1095-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	none found		
1996-01-12	1996-01-06	DR-1083-NY	Major disaster	BLIZZARD OF 96 (SEVERE SNOW STORM)	Winter Weather	none found		
1993-03-17	1993-03-13	EM-3107-NY	Emergency	SEVERE BLIZZARD	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>		
1987-05-15	1987-04-03	DR-792-NY	Major disaster	FLOODING	Inland Flooding	none found		
1984-04-17	1984-03-28	DR-702-NY	Major disaster	COASTAL STORMS & FLOODING	Coastal Flooding	none found		
1973-07-20	1973-07-20	DR-401-NY	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1972-06-23	1972-06-23	DR-338-NY	Major disaster	TROPICAL STORM AGNES	Inland Flooding (primary); also designated: Hurricane	none found		
1971-09-13	1971-09-13	DR-311-NY	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1965-08-18	1965-08-18	DR-204-NY	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
1963-08-23	1963-08-23	DR-158-NY	Major disaster	HEAVY RAINS & FLOODING	Inland Flooding		
1962-03-16	1962-03-16	DR-129-NY	Major disaster	SEVERE STORM, HIGH TIDES & FLOODING	Inland Flooding (primary); also designated: Coastal Flooding		
1956-03-29	1956-03-29	DR-52-NY	Major disaster	FLOOD	Inland Flooding		
1955-08-22	1955-08-22	DR-45-NY	Major disaster	HURRICANE & FLOODS	Hurricane (primary); also designated: Inland Flooding		
1954-10-07	1954-10-07	DR-26-NY	Major disaster	HURRICANES	Hurricane (primary); also designated: 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.

1 Fire Management declaration (1995-08-25 to 1995-08-25) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

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: 1 row, \$43,098.74

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-1957-NY	2011-02-18	SEVERE WINTER STORM AND SNOWSTORM	New York State Bridge Authority	\$43,098.74

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)

Previous occurrences by hazard, with explicit no-event rows

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
Avalanche	1	0	0	0	0	0	1996 to 2026-06-30	
Coastal Flooding	3	0	0	0	2	0	1996 to 2026-06-30	
Cold Wave	91	12	0	20	0	0	1996 to 2026-06-30	Includes 29 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
Drought	4	2	0	2	1	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	123	1	0	7	0	0	1955 to 2026-06-30	
Heat Wave	89	18	10	37	0	0	1996 to 2026-06-30	
Hurricane	1	0	0	0	8	0	1996 to 2026-06-30	
Ice Storm	2	0	0	1	0	0	1996 to 2026-06-30	
Inland Flooding	214	0	28	49	12	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	24	0	0	1	0	0	1996 to 2026-06-30	
Strong Wind	733	47	28	182	1	0	1955 to 2026-06-30	Includes 45 High Wind records and 63 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	14	0	1	2	1	0	1950 to 2026-06-30	
Tsunami	0	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	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	5	1	0	3	0	0	1996 to 2026-06-30	
Winter Weather	234	19	5	48	6	0	1996 to 2026-06-30	

SOURCESNOAA 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
2026-01-28	Cold/Wind Chill		damage not reported	0, 0	NWS zone NYZ063 (WESTERN ULSTER), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	B1-c worst recorded: Cold/ Wind Chill, Extreme Cold/Wind Chill
2024-06-18	Heat		damage not reported	0, 0	NWS zone NYZ064 (EASTERN ULSTER), zone-level: may include parts of neighboring counties	during plan review, check whether your last plan included it; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2011-08-28	Tropical Storm		\$0 property; \$0 crops, reported for the zone (2011 dollars)	0, 0	NWS zone NYZ063 (WESTERN ULSTER), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2009-07-03	Lightning		\$0 property; \$0 crops (2009 dollars)	1, 0	HIGHLAND		deaths or injuries recorded
2008-05-01	Frost/Freeze		\$0 property; \$16,700,000 crops, reported for the zone (2008 dollars)	0, 0	NWS zone NYZ064 (EASTERN ULSTER), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/ Freeze (outside NRI Cold Wave definition)
2006-12-01	High Wind	50 kt (58 mph) estimated gust	\$0 property; \$0 crops, reported for the zone (2006 dollars)	1, 0	NWS zone NYZ063 (WESTERN ULSTER), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2005-08-30	High Wind	75 kt (86 mph) estimated gust	damage not reported	0, 0	NWS zone NYZ064 (EASTERN ULSTER), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2003-08-13	Hail	2 in	damage not reported	0, 0	KINGSTON		B1-c worst recorded: Hail
2000-12-17	Flash Flood		damage not reported	1, 0	SHANDAKEN		deaths or injuries recorded
2000-07-14	Flash Flood		\$6,000,000 property; crops not reported (2000 dollars)	0, 0	DENNING		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1999-07-06	Thunderstorm Wind	90 kt (104 mph), measurement type not recorded	\$7,000 property; crops not reported (1999 dollars)	0, 0	KERHONKSON		B1-c worst recorded: Thunderstorm Wind
1986-07-26	Tornado	F2, 0.5 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	\$2,500,000 property; crops not recorded (1986 dollars)	0, 2	location not recorded		B1-c worst recorded: Tornado

The full list is in the **XLSX** file, sheet "**B1-d Storm Events history**" (1,538 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>

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

Tribal and special-area declarations in this state are listed on the state page.

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Coastal Flooding	3.76	events per year at a location (modeled)	about 3.8 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	3.45	event-days per year	about 3.45 days per year	Likely	event-days in 18 of 30 years, 1996 to 2025 (60%)	65.3	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	0.566	event-days per year	about 0.566 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	49	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00134	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.134%			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	2.71	events per year	about 2.71 per year	Highly likely	FEMA annualized frequency (modeled)	103.1 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	3.38	event-days per year	about 3.38 days per year	Likely	event-days in 18 of 30 years, 1996 to 2025 (60%)	57.2	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0566	events per year	about 1 in 18 years	Possible	FEMA annualized frequency (modeled)	26	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are counted separately in B1-d and need not match.
Ice Storm	0.617	event-days per year	about 0.617 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	42	1946-12-31 to 2014-02-12 (67 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
Inland Flooding	3.64	event-days per year	about 3.64 days per year	Highly likely	event-days in 27 of 30 years, 1996 to 2025 (90%)	102	1996 to 2023 (28 years)	see B1-f	
Landslide	1.72	events per year (modeled)	about 1.72 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	29.5	days per year with a strike	about 29.5 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.86	events per year	about 2.86 per year	Highly likely	FEMA annualized frequency (modeled)	109	1986 to 2023 (38 years)	countywide	
Tornado	0.336	events per year	about 1 in 3 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
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	0.000291	annual probability at a location	chance a given location in the county burns in a year: 0.0291%	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	17.5	event-days per year	about 17.5 days per year	Highly likely	event-days in 30 of 30 years, 1996 to 2025 (100%)	331	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	52	30	1.73
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	397	30	13.2
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	14	30	0.467
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	69	30	2.3
Tornado	EF0-1	1996 to 2025	4	30	0.133
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	15 of 50	58.7	62.8	64.4	Very Low 15, Not Applicable 35	
Coastal Flooding	14 of 50	69.5	83.7	96.1	Relatively High 1, Relatively Moderate 2, Relatively Low 8, Very Low 3, No Rating 36	
Cold Wave	50 of 50	25.5	55.8	86.5	Relatively High 5, Relatively Moderate 32, Relatively Low 13	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	25 of 50	71.6	82.2	92.4	Relatively Moderate 1, Relatively Low 18, Very Low 6, No Rating 25	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	50 of 50	17.7	48.1	78.7	Relatively Moderate 1, Relatively Low 35, Very Low 14	
Hail	50 of 50	30.2	59.5	91.9	Relatively High 2, Relatively Moderate 13, Relatively Low 34, 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. 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	50 of 50	3.0	21.1	50.8	Relatively Low 31, Very 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.
Hurricane	50 of 50	55.2	76.2	85.6	Relatively Moderate 16, Relatively Low 34	
Ice Storm	50 of 50	13.4	48.1	79.7	Relatively Moderate 3, Relatively Low 41, Very Low 6	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	50 of 50	9.4	66.1	99.3	Very High 2, Relatively High 13, Relatively Moderate 22, Relatively Low 11, Very Low 2	
Landslide	50 of 50	17.2	84.7	99.4	Relatively High 1, Relatively Moderate 4, Relatively Low 24, Very Low 21	
Lightning	50 of 50	29.3	64.0	86.3	Relatively High 6, Relatively Moderate 34, Relatively Low 10	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	50 of 50	34.1	72.0	91.0	Relatively High 13, Relatively Moderate 32, Relatively 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	50 of 50	37.6	62.1	80.2	Relatively High 4, Relatively Moderate 37, Relatively Low 9	
Tsunami	0 of 50				Not Applicable 50	
Volcanic Activity	0 of 50				Not Applicable 50	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Wildfire	48 of 50	18.5	62.5	78.8	Relatively Low 18, Very Low 30, No Rating 2	
Winter Weather	50 of 50	25.8	48.1	67.1	Relatively Moderate 25, Relatively Low 25	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
Ulster County	County	Approved, expires 2029-09-19		\$12,130,246.59	0; 0	No NFIP community ID on this member's plan row. Includes \$5,112,480.68 for declarations not counted as hazard incidents (DR-1391-NY, DR-4480-NY, EM-3186-NY).
Ellenville village	Village	Plan 109884 approved 2024-09-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 6	\$890,787.47	22; no approved plan	
Kingston city	City	Approved, expires 2029-09-19	FMA RL 0, SRL 1; any 17	\$5,088,122.14	56; 1	Includes \$368,571.88 for declarations not counted as hazard incidents (DR-4480-NY).
New Paltz village	Village	Approved, expires 2029-09-19	FMA RL 0, SRL 1; any 3	\$281,151.83	35; 0	
Saugerties village	Village	Approved, expires 2029-09-19	FMA RL 2, SRL 2; any 16	\$8,487.68	30; 0	
Denning town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 1	\$3,462,799.72	4; 0	
Esopus town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 2	\$277,417.33	22; 2	
Gardiner town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 3	\$139,149.62	7; 0	
Hardenburgh town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 0	\$2,614,866.34	0; 0	
Hurley town	Town	Approved, expires 2029-09-19	FMA RL 1, SRL 0; any 6	\$499,286.29	20; 1	
Kingston town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 0	\$103,419.93	56; 1	

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
Lloyd town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 1; any 3	\$1,373,185.32	0; 0	
Marbletown town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 1	\$434,744.02	10; 0	
Marlborough town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 1; any 4	\$431,819.93	0; 0	
New Paltz town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 10	\$164,900.52	35; 0	
Olive town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 3	\$536,024.94	0; 0	Includes \$6,658.33 for declarations not counted as hazard incidents (DR-4480-NY).
Plattekill town	Town	Plan 109884 approved 2024-09-20, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 1	\$292,351.27	11; no approved plan	Includes \$20,043.96 for declarations not counted as hazard incidents (DR-4480-NY).
Rochester town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 7	\$1,579,506.46	0; 0	
Rosendale town	Town	Approved, expires 2029-09-19	FMA RL 2, SRL 0; any 5	\$94,760.56	15; 2	
Saugerties town	Town	Approved, expires 2029-09-19	FMA RL 3, SRL 1; any 9	\$329,776.14	30; 0	
Shandaken town	Town	Approved, expires 2029-09-19	FMA RL 3, SRL 6; any 32	\$5,617,607.52	10; 0	
Shawangunk town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 0; any 0	\$526,704.42	0; 0	
Ulster town	Town	Approved, expires 2029-09-19	FMA RL 10, SRL 11; any 37	\$1,390,049.21	2; 0	
Wawarsing town	Town	Approved, expires 2029-09-19	FMA RL 6, SRL 3; any 20	\$1,378,129.33	9; 0	
Woodstock town	Town	Approved, expires 2029-09-19	FMA RL 0, SRL 1; any 6	\$715,825.96	23; 0	

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

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

SOURCES

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

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

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

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

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

Local data required

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

- 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 2024-09-20 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche	\$0		1	\$0		\$4,993					building exposure is 0 in NRI
Coastal Flooding	\$3,387,669,147		9,619	\$218,200		\$3,172	0.00644%				
Cold Wave	\$50,148,693,624	\$69,966,225	181,692	\$1,007	\$1,104,581	\$2,756,580	under 0.0001%		\$0		
Drought		\$36,052,300			\$136,703		0.379% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$84,658,084,432		181,851	\$1,455,774		\$221,208	0.00172%				
Hail	\$50,148,693,624	\$69,966,225	181,692	\$19,720	\$685,572	\$288,852	under 0.0001%				
Heat Wave	\$50,148,693,624	\$69,966,225	181,692	under \$1	\$9,092	\$741,253	under 0.0001%				
Hurricane	\$50,145,078,396	\$69,892,866	181,672	\$4,328,020	\$163,385	\$134,918	0.00863%				
Ice Storm	\$50,143,914,230		181,656	\$224,224		\$21,507	0.000447%				
Inland Flooding	\$50,033,298,003	\$33,567,179	6,150	\$44,147,465	\$424,185	\$880,635	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	\$2,441,643,126		8,162	\$85,121		\$15,725	0.00349%				
Lightning	\$50,148,693,624		181,692	\$55,411		\$831,786	0.00011%				
Strong Wind	\$50,148,693,624	\$69,966,225	181,692	\$566,926	\$3,048	\$1,611,748	0.00113%		\$500		Storm Events damage since the plan includes 1 zone-level Strong Wind record (\$500), an event type the NRI definition of this hazard leaves out.
Tornado	\$50,148,693,624	\$69,966,225	181,692	\$1,694,996	\$1,076	\$4,159,444	0.00338%				

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 2024-09-20 <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
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$2,498,727,996	\$7,580,633	19,255	\$44,336	\$16	\$8,428	0.00177%		\$20,000		
Winter Weather	\$50,148,693,624	\$69,966,225	181,692	\$35,882	\$31	\$83,423	under 0.0001%		\$0		

Totals since 2024-09-20 (Storm Events through 2026-06-30): 33 county-coded records, 0 with a damage value recorded (including \$0), \$0; 67 zone-level records, 5 with a damage value recorded (including \$0), \$20,500 reported for the zone; 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	181,692
Building value (total, not at risk)	\$50,148,693,624
Agriculture value (total, not at risk)	\$69,966,225
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$55,404,772
Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage)	\$11,763,672
Social vulnerability rating	Relatively Moderate
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)	27	Severe repetitive loss, FMA definition (44 CFR 77.2)	29
Repetitive loss, NFIP insurance definition	188	Severe repetitive loss, NFIP insurance definition	25

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	27	29	188	25	193	5	68
ESOPUS, TOWN OF	0	0	2	0	2	0	0
GARDINER, TOWN OF	0	0	3	0	3	0	3
HURLEY, TOWN OF	1	0	6	0	6	0	3
KINGSTON, CITY OF	0	1	17	1	17	0	5
NEW PALTZ, TOWN OF	0	0	10	0	10	0	7
OLIVE, TOWN OF	0	0	3	0	3	0	1
ROCHESTER, TOWN OF	0	0	7	0	7	0	3
ROSENDALE, TOWN OF	2	0	5	0	5	0	2
SAUGERTIES, TOWN OF	3	1	9	1	9	0	3
SHANDAKEN, TOWN OF	3	6	28	2	32	4	12
ULSTER, TOWN OF	10	11	37	11	37	0	7
WAWARSING, TOWN OF	6	3	19	3	20	1	9
WOODSTOCK, TOWN OF	0	1	6	1	6	0	1
ELLENVILLE, VILLAGE OF	0	0	6	0	6	0	1
LLOYD, TOWN OF	0	1	3	1	3	0	1
MARBLETOWN, TOWN OF	0	0	1	0	1	0	0
MARLBOROUGH, TOWN OF	0	1	4	1	4	0	0
PLATTEKILL, TOWN OF	0	1	1	1	1	0	0
DENNING, TOWN OF	0	0	1	0	1	0	0

Scope	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
SAUGERTIES, VILLAGE OF	2	2	16	2	16	0	9
NEW PALTZ, VILLAGE OF	0	1	3	1	3	0	1
Unknown (community ID Unknown in FEMA data)	0	0	1	0	1	0	0
State level, not in this county: county not reported	0	0	19	0	19	0	3

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties	Note
Ellenville village	360975	0	0	6	0	6	0	1	
Kingston city	360858	0	1	17	1	17	0	5	
New Paltz village	361544	0	1	3	1	3	0	1	
Saugerties village	361504	2	2	16	2	16	0	9	
Denning town	361439	0	0	1	0	1	0	0	
Esopus town	360855	0	0	2	0	2	0	0	
Gardiner town	360856	0	0	3	0	3	0	3	
Hardenburgh town	361578	0	0	0	0	0	0	0	
Hurley town	360857	1	0	6	0	6	0	3	
Kingston town	361218	0	0	0	0	0	0	0	
Lloyd town	361012	0	1	3	1	3	0	1	
Marbletown town	361219	0	0	1	0	1	0	0	
Marlborough town	361220	0	1	4	1	4	0	0	
New Paltz town	360859	0	0	10	0	10	0	7	
Olive town	360860	0	0	3	0	3	0	1	
Plattekill town	361221	0	1	1	1	1	0	0	
Rochester town	360861	0	0	7	0	7	0	3	
Rosendale town	360862	2	0	5	0	5	0	2	
Saugerties town	360863	3	1	9	1	9	0	3	
Shandaken town	360864	3	6	28	2	32	4	12	
Shawangunk town	360865	0	0	0	0	0	0	0	
Ulster town	360866	10	11	37	11	37	0	7	
Wawarsing town	360867	6	3	19	3	20	1	9	
Woodstock town	360868	0	1	6	1	6	0	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	24	25	158	21	163	5	61
2 to 4 unit residential	1	1	10	1	10	0	4
other residential	0	1	4	1	4	0	0
non-residential	2	2	16	2	16	0	3
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 164 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/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_NY_36111. Preview: automated baseline.