

Monroe County, NY

Risk-assessment baseline packet

Unit **County area 36055** 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 2028-03-22	Plan	Monroe County 2023 (FEMA plan 108834)
Approved	2023-03-23	Expires	2028-03-22
As of	2026-09-28	Days	541 days to expiry

What changed since your last plan (approved 2023-03-23)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	85 (data through 2026-06-30)
Repetitive loss now	FMA RL 0, SRL 4 (44 CFR 77.2); any definition: 42	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: 31 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
Monroe County	County	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Brockport village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-25
Churchville village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-24
East Rochester village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-17
Fairport village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-12
Hilton village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-05-05
Honeoye Falls village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Pittsford village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Rochester city	City	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Scottsville village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-11
Spencerport village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-11
Webster village	Village	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-05-05
Brighton town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Chili town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-13
Clarkson town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Gates town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-05-05
Greece town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Hamlin town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Henrietta town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-20
Irondequoit town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-05-11
Mendon town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-18
Ogden town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-11
Parma town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Penfield town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-05-11
Perinton town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Pittsford town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-05-04
Riga town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-13
Rush town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Sweden town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		
Webster town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-24
Wheatland town	Town	Approved, expires 2028-03-22	Monroe County 2023 (FEMA plan 108834)	2023-03-23	2028-03-22	541		member approved 2023-04-17

SOURCEFEMA, 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	\$102,601,953	\$2,339	\$4,262	\$102,608,554	96		
2	Cold Wave	Relatively High	Very High	\$1,918	\$389	\$20,090,977	\$20,093,284	23		Includes 22 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
3	Tornado	Relatively Moderate	Relatively Moderate	\$1,068,109	\$249	\$4,708,730	\$5,777,087	3		
4	Heat Wave	Relatively Moderate	Relatively Moderate	\$23	\$7,746	\$5,746,442	\$5,754,210	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
5	Earthquake	Relatively Low	Relatively Low	\$2,072,811		\$405,662	\$2,478,474			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
6	Strong Wind	Relatively Moderate	Relatively Moderate	\$644,870	\$32,589	\$569,211	\$1,246,671	333		Includes 74 High Wind records, event types the NRI definition of this hazard leaves out.
7	Ice Storm	Relatively High	Relatively High	\$554,784		\$258,806	\$813,591	5		
8	Winter Weather	Relatively High	Relatively High	\$52,572	\$61	\$658,828	\$711,461	96		
9	Lightning	Relatively Moderate	Relatively Moderate	\$45,770		\$591,935	\$637,705	12		
10	Hurricane	Relatively Low	Relatively Low	\$461,349	\$36,864	\$22,889	\$521,102	0		Declared 2 times; no Storm Events record of this type.
11	Drought	Relatively Low	Relatively Low		\$218,141		\$218,141	5		
12	Hail	Very Low	Relatively Low	\$52,542	\$52,593	\$24,985	\$130,120	70		
13	Wildfire	Very Low	Very Low	\$33,659	\$4	\$5,182	\$38,845	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.
14	Coastal Flooding	Very Low	Very Low	\$12,202		\$1,974	\$14,176	7		
15	Landslide	Very Low	Very Low	\$253		\$214	\$467	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.

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
	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 210
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.	33 of 210
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	210 of 210
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	32 of 210
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.	210 of 210
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	210 of 210
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	210 of 210
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.	210 of 210
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	210 of 210
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.	210 of 210
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.	183 of 210

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	210 of 210
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	210 of 210
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.	210 of 210
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 210
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 210
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.	179 of 210
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	210 of 210

SOURCE

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

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	7, 2017 to 2017 (7 zone-level)		No damage reported in 7 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	1, 2019 to 2019 (1 zone-level)	2 days; 1 with a recorded value	2 consecutive days, 2019-01-30 to 2019-01-31, 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.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	22, 2008 to 2023 (22 zone-level)		No crop damage reported in 22 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	5, 2016 to 2016 (5 zone-level)	113 days; 1 with a recorded value	113 days (about 3.7 months), 2016-07-21 to 2016-11-10, a run of 5 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).

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hail	hail size (inches)	84, 1959 to 2025	0.75 in to 1.75 in (median 0.88 in); 84 with a recorded value	1.75 in hail, 2013-05-21; same size also recorded on 1959-05-19, 1963-07-02, 1974-06-10, 1983-06-16, 1985-07-06, 1985-07-10, 2003-05-01	Hail, 2008-06-16, \$35,000 property; \$133,000 crops (2008 dollars)	Event records naming member places: Rochester city (7 records), Brighton town (5 records), Greece town (5 records), Henrietta town (5 records), Penfield town (4 records), Brockport village (3 records), Clarkson town (2 records), Fairport village (2 records), Hamlin town (2 records), Pittsford town (2 records); and 9 more member places (see the XLSX file).	
Excessive Heat, Heat	heat index (narratives)	0					Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					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)	5, 2002 to 2023 (5 zone- level)		Ice Storm, 2003-04-04, \$12,000,000 property; \$1,500,000 crops, reported for the zone (2003 dollars); NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties		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)	96, 1996 to 2025 (7 zone- level)		Lakeshore Flood, 2019-05-20, \$2,000,000 property; \$0 crops, reported for the zone (2019 dollars); NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties		Event records naming member places: Rochester city (10 records), Churchville village (9 records), Webster town (7 records), Webster village (7 records), Brighton town (5 records), Scottsville village (4 records), Henrietta town (3 records), East Rochester village (2 records), Irondequoit town (2 records), Riga town (2 records); and 7 more member places (see the XLSX file). Zone-level records (7) 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	12, 1996 to 2017		Lightning, 2005-07-14, \$50,000 property; crops not reported (2005 dollars), 1 direct injury		Event records naming member places: Churchville village (2 records), Greece town (2 records), Henrietta town (1 record), Penfield town (1 record), Pittsford town (1 record), Pittsford village (1 record), Webster town (1 record), Webster village (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)	74, 1996 to 2026 (74 zone-level)	36 kt (41 mph) to 67 kt (77 mph) (median 52 kt (60 mph)); 67 with a recorded value	67 kt (77 mph) measured gust, High Wind, 2006-02-17, 1 direct death (reported for the zone); NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties	High Wind, 2017-03-08, \$1,500,000 property; \$0 crops, reported for the zone (2017 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	335, 1955 to 2026	50 kt (58 mph) to 87 kt (100 mph) (median 51 kt (59 mph)); 255 with a recorded value	87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1981-07-02	Thunderstorm Wind, 1998-09-06, \$20,000,000 property; \$2,000,000 crops (1998 dollars)	Event records naming member places: Rochester city (23 records), Webster town (19 records), Webster village (19 records), Greece town (17 records), Penfield town (12 records), Henrietta town (9 records), Spencerport village (9 records), Mendon town (8 records), Pittsford town (8 records), Pittsford village (8 records); and 13 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	5, 1979 to 2020	F/EF0 to F/EF1 (median F/EF0); 5 with a recorded value	F1 tornado, 1981-09-08, 2 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 property; crops not recorded (1981 dollars)	Tornado, 2009-07-25, \$75,000 property; \$0 crops (2009 dollars)	No event record names a member place.	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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Wildfire	acres burned (local data)	0					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)	96, 1996 to 2026 (96 zone-level)		Blizzard, 1999-03-04, \$1,500,000 property; crops not reported, reported for the zone (1999 dollars); NWS zone NYZ003 (MONROE), 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 21 Counted incidents 13

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
2020-03-20	2020-01-20	DR-4480-NY	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$276,704,031.39		
2020-03-13	2020-01-20	EM-3434-NY	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4480
2017-11-14	2017-05-02	DR-4348-NY	Major disaster	FLOODING	Inland Flooding	\$780,166.08		
2012-10-28	2012-10-27	EM-3351-NY	Emergency	HURRICANE SANDY	Hurricane	none found		
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		
2004-10-01	2004-08-13	DR-1564-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$874,967.17		
2004-08-03	2004-05-13	DR-1534-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding: designated for Hazard Mitigation only (no Public or Individual Assistance for this county); not counted	PA not declared for this county		
2003-08-23	2003-08-14	EM-3186-NY	Emergency	POWER OUTAGE	Non-natural, not counted	\$45,070.11		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2003-05-12	2003-04-03	DR-1467-NY	Major disaster	ICE STORM	Ice Storm	\$6,591,940.30		
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	FIRES AND EXPLOSIONS	Non-natural, not counted	\$39,705.84		
2000-10-11	2000-05-22	EM-3155-NY	Emergency	WEST NILE VIRUS	Non-natural, not counted	none found		
1999-03-10	1999-03-03	EM-3138-NY	Emergency	SNOW	Winter Weather	\$1,507,244.51		
1998-09-11	1998-09-07	DR-1244-NY	Major disaster	NY - SEVERE WX, SEPT 7, 1998	Hazard not mapped (severe storm title names no single hazard); not counted	none found		
1998-07-07	1998-06-25	DR-1233-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county		
1998-01-06	1998-01-05	DR-1196-NY	Major disaster	SEVERE STORMS AND FLOODING	Winter Weather (primary); also designated: Inland Flooding	PA not declared for this county		
1993-03-17	1993-03-13	EM-3107-NY	Emergency	SEVERE BLIZZARD	Winter Weather	none found		
1991-03-21	1990-03-03	DR-898-NY	Major disaster	SEVERE WINTER STORM	Winter Weather	none found		
1976-03-19	1976-03-19	DR-494-NY	Major disaster	ICE STORM,SEVERE STORMS & FLOODING	Ice Storm (primary); also designated: Inland Flooding	none found		
1974-11-02	1974-11-02	EM-3004-NY	Emergency	FLOODNG (NYS BARGE CANAL)	Inland Flooding	PA not declared for this county		
1973-03-21	1973-03-21	DR-367-NY	Major disaster	HIGH WINDS, WAVE ACTION & FLOODING	Inland Flooding (primary); also designated: Coastal 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		

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.

SOURCEFEMA, 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, \$2,858,976.09**

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4031-NY	2011-09-13	REMNANTS OF TROPICAL STORM LEE	TOMPKINS (TOWN OF)	\$42,278.93
DR-1650-NY	2006-07-01	SEVERE STORMS AND FLOODING	TOMPKINS (TOWN OF)	\$2,816,697.16

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.

SOURCESFEMA, 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 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	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	7	0	0	0	1	0	1996 to 2026-06-30	
Cold Wave	23	1	0	1	0	0	1996 to 2026-06-30	Includes 22 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
Drought	5	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	84	9	0	9	0	0	1955 to 2026-06-30	
Heat Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Hurricane	0	0	0	0	2	0	1996 to 2026-06-30	No Storm Events records of this type; 2 federal declared incidents (see declarations table)
Ice Storm	5	0	1	1	2	0	1996 to 2026-06-30	
Inland Flooding	96	10	0	15	8	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	12	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	409	58	9	70	0	0	1955 to 2026-06-30	Includes 74 High Wind 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
Tornado	5	0	0	0	0	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	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	96	7	1	10	4	0	1996 to 2026-06-30	

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
2019-05-20	Lakeshore Flood		\$2,000,000 property; \$0 crops, reported for the zone (2019 dollars)	0, 0	NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2019-01-30	Extreme Cold/ Wind Chill		\$0 property; \$0 crops, reported for the zone (2019 dollars)	0, 0	NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2016-07-21	Drought		damage not reported	0, 0	NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
2013-05-21	Hail	1.75 in	\$5,000 property; \$5,000 crops (2013 dollars)	0, 0	CLARKSON		B1-c worst recorded: Hail
2007-06-19	Thunderstorm Wind	55 kt (63 mph) estimated gust	\$55,000 property; \$0 crops (2007 dollars)	1, 1	ROCHESTER		deaths or injuries recorded
2006-02-17	High Wind	67 kt (77 mph) measured gust	\$500,000 property; crops not reported, reported for the zone (2006 dollars)	1, 0	NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2005-07-14	Lightning		\$50,000 property; crops not reported (2005 dollars)	0, 1	CHURCHVILLE		B1-c worst recorded: Lightning
2003-04-04	Ice Storm		\$12,000,000 property; \$1,500,000 crops, reported for the zone (2003 dollars)	0, 0	NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm

Direct deaths, injuries						
Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	<i>indirect not counted</i>	Location	Flags Why listed
1999-03-04	Blizzard		\$1,500,000 property; crops not reported, reported for the zone (1999 dollars)	0, 0	NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties	B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
1997-02-22	High Wind	61 kt (70 mph), measurement type not recorded	\$500,000 property; crops not reported, reported for the zone (1997 dollars)	1, 1	NWS zone NYZ003 (MONROE), zone-level: may include parts of neighboring counties	deaths or injuries recorded
1981-09-08	Tornado	F1, 2 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 property; crops not recorded (1981 dollars)	0, 0	location not recorded	B1-c worst recorded: Tornado
1981-07-02	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded	B1-c worst recorded: Thunderstorm Wind

The full list is in the XLSX file, sheet "B1-d Storm Events history" (742 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.

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

FEMA annualized frequency (modeled)		NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)		Descriptor basis		NRI period		Location		Note
Hazard	<i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis					
Avalanche		events per year				1994 to 2023 (30 years)	see B1-f			Not Applicable in NRI for this county; no descriptor.
Coastal Flooding	0.0138	events per year at a location (modeled)	about 0.014 per year at a given location in the county	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	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.

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	2.95	event-days per year	about 2.95 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	56	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 2.95 cold wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 1 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. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	0.83	event-days per year	about 0.83 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	70	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000833	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0833%			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	1.1	events per year	about 1.1 per year	Highly likely	FEMA annualized frequency (modeled)	42.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	3.42	event-days per year	about 3.42 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	61	2005-11-12 to 2024-11-12 (19 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Hurricane	0.0287	events per year	about 1 in 35 years	Possible	FEMA annualized frequency (modeled)	10	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are counted separately in B1-d and need not match.
Ice Storm	1.53	event-days per year	about 1.53 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	51	1946-12-31 to 2014-02-12 (67 years)	countywide	NRI gives about 1.53 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 5 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	2.18	event-days per year	about 2.18 days per year	Likely	event-days in 25 of 30 years, 1996 to 2025 (83.3%)	61	1996 to 2023 (28 years)	see B1-f	
Landslide	0.116	events per year (modeled)	about 1 in 9 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Lightning	27.3	days per year with a strike	about 27.3 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.3	events per year	about 1.3 per year	Highly likely	FEMA annualized frequency (modeled)	25	1986 to 2023 (38 years)	countywide	
Tornado	0.107	events per year	about 1 in 9 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	0.0000276	annual probability at a location	chance a given location in the county burns in a year: 0.00276%		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)
Winter Weather	20.6	event-days per year	about 20.6 days per year	Highly likely	event-days in 27 of 30 years, 1996 to 2025 (90%)	392	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	28	30	0.933
Hail	2.00 in+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	230	30	7.67
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	4	30	0.133
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	21	30	0.7
Tornado	EF0-1	1996 to 2025	3	30	0.1
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

SOURCE

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

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

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts rated of all	Risk score min NRI score, 0 to 100	Median	Max	Tracts by rating	Note
Avalanche	0 of 210				Not Applicable 210	
Coastal Flooding	33 of 210	69.6	72.9	82.4	Relatively Low 5, Very Low 28, No Rating 177	
Cold Wave	210 of 210	15.6	64.2	84.6	Relatively High 19, Relatively Moderate 171, Relatively Low 17, Very Low 3	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	32 of 210	67.3	76.8	94.2	Relatively Moderate 3, Relatively Low 9, Very Low 20, No Rating 178	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	210 of 210	1.6	25.3	72.3	Relatively Low 27, Very Low 183	
Hail	210 of 210	1.0	10.3	45.8	Relatively Low 6, Very Low 204	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.
Heat Wave	210 of 210	1.5	36.0	66.6	Relatively Moderate 18, Relatively Low 176, Very Low 16	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	210 of 210	17.5	39.6	52.9	Relatively Low 1, Very Low 209	
Ice Storm	210 of 210	1.6	39.3	77.7	Relatively Moderate 5, Relatively Low 131, Very Low 74	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	210 of 210	0.3	29.3	91.6	Relatively High 13, Relatively Moderate 46, Relatively Low 99, Very Low 52	
Landslide	183 of 210	8.6	21.3	81.0	Relatively Low 1, Very Low 182, No Rating 27	
Lightning	210 of 210	0.3	17.2	37.9	Relatively Low 69, Very Low 141	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	210 of 210	1.4	23.2	56.7	Relatively Moderate 1, Relatively Low 152, Very Low 57	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	210 of 210	1.8	34.2	53.2	Relatively Low 171, Very Low 39	
Tsunami	0 of 210				Insufficient Data 210	
Volcanic Activity	0 of 210				Not Applicable 210	
Wildfire	179 of 210	18.8	39.9	75.1	Relatively Low 2, Very Low 177, No Rating 31	
Winter Weather	210 of 210	14.3	53.9	77.0	Relatively Moderate 152, Relatively Low 56, Very Low 2	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
Monroe County	County	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$2,964,017.58	0; 0	Includes \$816,063.15 for declarations not counted as hazard incidents (DR-1391-NY, DR-4480-NY, EM-3186-NY).
Brockport village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$13,866.06	10; 0	
Churchville village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	none found	13; 0	
East Rochester village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$99,066.87	7; 3	Includes \$5,639.27 for declarations not counted as hazard incidents (DR-4480-NY).
Fairport village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$126,055.58	8; 1	
Hilton village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$72,823.55	4; 1	
Honeoye Falls village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$43,160.61	2; 0	
Pittsford village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$79,803.37	12; 2	
Rochester city	City	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 2	\$816,691.06	40; 4	
Scottsville village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$16,600.67	11; 1	
Spencerport village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$58,917.16	10; 0	
Webster village	Village	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	none found	28; 7	
Brighton town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 1	\$273,540.52	16; 0	
Chili town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 1	\$74,481.26	1; 0	
Clarkson town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$28,660.63	3; 0	
Gates town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 1; any 1	\$117,803.36	0; 0	
Greece town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 7	\$976,736.73	25; 3	

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
Hamlin town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 5	\$56,240.63	7; 2	
Henrietta town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 1	\$197,162.26	18; 1	
Irondequoit town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 4	\$1,372,700.52	6; 1	
Mendon town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 1; any 1	\$58,006.83	10; 3	
Ogden town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 1	\$25,848.17	0; 0	
Parma town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 2	\$30,584.53	0; 0	
Penfield town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 5	\$290,324.12	18; 5	Includes \$33,768.54 for declarations not counted as hazard incidents (DR-4480-NY).
Perinton town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 1; any 4	\$746,695.65	0; 0	
Pittsford town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 3	\$483,542.54	12; 2	
Riga town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	none found	4; 0	
Rush town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 1	\$18,626.27	6; 3	
Sweden town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 0	\$3,822.01	0; 0	
Webster town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 0; any 1	\$142,721.42	28; 7	Includes \$33,089.92 for declarations not counted as hazard incidents (DR-4480-NY).
Wheatland town	Town	Approved, expires 2028-03-22	FMA RL 0, SRL 1; any 2	\$2,793.36	0; 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 2023-03-23 <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	\$4,756,905,802		14,398	\$12,202		\$1,974	0.000257%				
Cold Wave	\$153,786,495,069	\$98,684,097	758,349	\$1,918	\$389	\$20,090,977	under 0.0001%		\$0		
Drought		\$30,477,842			\$218,141		0.716% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$267,539,858,687		759,443	\$2,072,811		\$405,662	0.000775%				
Hail	\$153,786,509,419	\$98,684,097	758,349	\$52,542	\$52,593	\$24,985	under 0.0001%	\$0			
Heat Wave	\$153,786,495,069	\$98,684,097	758,349	\$23	\$7,746	\$5,746,442	under 0.0001%				
Hurricane	\$152,705,511,273	\$96,929,786	751,629	\$461,349	\$36,864	\$22,889	0.000302%				
Ice Storm	\$153,759,364,576		758,174	\$554,784		\$258,806	0.000361%				
Inland Flooding	\$153,653,421,712	\$4,599,924	10,053	\$102,601,953	\$2,339	\$4,262	n/a (see note)	\$3,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b. EAL as % of exposure: n/a.
Landslide	\$1,125,054,637		4,733	\$253		\$214	under 0.0001%				
Lightning	\$153,786,509,419		758,349	\$45,770		\$591,935	under 0.0001%				

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 2023-03-23 <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
Strong Wind	\$153,786,509,419	\$98,684,097	758,349	\$644,870	\$32,589	\$569,211	0.000419%	\$65,500	\$24,500		Storm Events damage since the plan includes 4 zone-level High Wind records (\$24,500), an event type the NRI definition of this hazard leaves out.
Tornado	\$153,786,509,419	\$98,684,097	758,349	\$1,068,109	\$249	\$4,708,730	0.000695%				
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$17,121,583,703	\$19,949,571	120,511	\$33,659	\$4	\$5,182	0.000197%				
Winter Weather	\$153,786,495,069	\$98,684,097	758,349	\$52,572	\$61	\$658,828	under 0.0001%		\$0		

Totals since 2023-03-23 (Storm Events through 2026-06-30): 69 county-coded records, 60 with a damage value recorded (including \$0), \$68,500; 16 zone-level records, 10 with a damage value recorded (including \$0), \$24,500 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	758,349
Building value (total, not at risk)	\$153,786,509,419
Agriculture value (total, not at risk)	\$98,684,097
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$107,953,791

Measure	Value
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)	\$33,090,097
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)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	4
Repetitive loss, NFIP insurance definition	42	Severe repetitive loss, NFIP insurance definition	4

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	0	4	42	4	42	0	10
BRIGHTON, TOWN OF	0	0	1	0	1	0	0
CHILI, TOWN OF	0	0	1	0	1	0	1
GATES, TOWN OF	0	1	1	1	1	0	0
GREECE, TOWN OF	0	0	7	0	7	0	1
HAMLIN, TOWN OF	0	0	5	0	5	0	3
HENRIETTA, TOWN OF	0	0	1	0	1	0	0
IRONDEQUOIT, TOWN OF	0	0	4	0	4	0	0
MENDON, TOWN OF	0	1	1	1	1	0	0
OGDEN, TOWN OF	0	0	1	0	1	0	0
PARMA, TOWN OF	0	0	2	0	2	0	1
PENFIELD, TOWN OF	0	0	5	0	5	0	0
PERINTON, TOWN OF	0	1	4	1	4	0	0
PITTSFORD, TOWN OF	0	0	3	0	3	0	2

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
ROCHESTER, CITY OF	0	0	2	0	2	0	0
RUSH, TOWN OF	0	0	1	0	1	0	1
WEBSTER, TOWN OF	0	0	1	0	1	0	0
WHEATLAND, TOWN OF	0	1	2	1	2	0	1
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 <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
Monroe County	361033	0	0	0	0	0	0	0	
Brockport village	360411	0	0	0	0	0	0	0	
Churchville village	360999	0	0	0	0	0	0	0	
East Rochester village	360414	0	0	0	0	0	0	0	
Fairport village	360415	0	0	0	0	0	0	0	
Hilton village	360420	0	0	0	0	0	0	0	
Honeoye Falls village	360421	0	0	0	0	0	0	0	
Pittsford village	361581	0	0	0	0	0	0	0	
Rochester city	360431	0	0	2	0	2	0	0	
Scottsville village	360434	0	0	0	0	0	0	0	
Spencerport village	360433	0	0	0	0	0	0	0	
Webster village	360437	0	0	0	0	0	0	0	
Brighton town	360410	0	0	1	0	1	0	0	
Chili town	360412	0	0	1	0	1	0	1	
Clarkson town	360413	0	0	0	0	0	0	0	
Gates town	360416	0	1	1	1	1	0	0	
Greece town	360417	0	0	7	0	7	0	1	
Hamlin town	360418	0	0	5	0	5	0	3	
Henrietta town	360419	0	0	1	0	1	0	0	
Irondequoit town	360422	0	0	4	0	4	0	0	
Mendon town	360423	0	1	1	1	1	0	0	
Ogden town	360424	0	0	1	0	1	0	0	
Parma town	360425	0	0	2	0	2	0	1	
Penfield town	360426	0	0	5	0	5	0	0	

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Perinton town	360428	0	1	4	1	4	0	0	
Pittsford town	360429	0	0	3	0	3	0	2	
Riga town	360430	0	0	0	0	0	0	0	
Rush town	360432	0	0	1	0	1	0	1	
Sweden town	360435	0	0	0	0	0	0	0	
Webster town	360436	0	0	1	0	1	0	0	
Wheatland town	360438	0	1	2	1	2	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	0	4	32	4	32	0	10
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	7	0	7	0	0
non-residential	0	0	2	0	2	0	0
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 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 42 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)
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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_36055. Preview: automated baseline.