

Erie County, NY

Risk-assessment baseline packet

Unit **County area 36029** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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

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

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Plan clock

Status	Approved, expires 2027-03-11	Plan	Erie County 2022 (FEMA plan 107979)
Approved	2022-03-12	Expires	2027-03-11
As of	2026-09-28	Days	164 days to expiry
Update underway	none in FEMA's plan tracker		

What changed since your last plan (approved 2022-03-12)

New federal declarations	EM-3589-NY, EM-3590-NY, DR-4694-NY (3 declaration rows; 2 counted incidents)	Storm Events records since approval	147 (data through 2026-06-30)
Repetitive loss now	FMA RL 4, SRL 15 (44 CFR 77.2); any definition: 150	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: 45 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
Erie County	County	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-25
Akron village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Alden village	Village	Plan 107979 approved 2022-03-12, pending adoption here; not yet eligible	Erie County 2022 (FEMA plan 107979), pending adoption here	2022-03-12 by FEMA; not yet adopted here	2027-03-11 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Angola village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-28
Blasdell village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Buffalo city	City	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2023-11-22
Depew village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-24
East Aurora village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Farnham village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-29

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Gowanda village	Village	Approved, expires 2030-09-01	Cattaraugus County 2025 (FEMA plan 109903)	2025-09-02	2030-09-01	1,434		Also approved under plan 107979 (Erie County 2022, expires 2027-03-11). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. member approved 2025-10-14
Hamburg village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Kenmore village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-22
Lackawanna city	City	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-04-14
Lancaster village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
North Collins village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Orchard Park village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Sloan village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-04-11
Springville village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Tonawanda city	City	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Williamsville village	Village	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-07-27
Alden town	Town	Plan 107979 approved 2022-03-12, pending adoption here; not yet eligible	Erie County 2022 (FEMA plan 107979), pending adoption here	2022-03-12 by FEMA; not yet adopted here	2027-03-11 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Amherst town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-04-21
Aurora town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-04-20
Boston town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Brant town	Town	Plan 107979 approved 2022-03-12, pending adoption here; not yet eligible	Erie County 2022 (FEMA plan 107979), pending adoption here	2022-03-12 by FEMA; not yet adopted here	2027-03-11 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cheektowaga town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-24
Clarence town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-22
Colden town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-22
Collins town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Concord town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-15
Eden town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Elma town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-04-27
Evans town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Grand Island town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-29
Hamburg town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-28
Holland town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Lancaster town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-04-07
Marilla town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Newstead town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-15
North Collins town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Orchard Park town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Sardinia town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Tonawanda town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11
Wales town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-04-13

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
West Seneca town	Town	Approved, expires 2027-03-11	Erie County 2022 (FEMA plan 107979)	2022-03-12	2027-03-11	164		member approved 2022-03-11

SOURCE

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

Supports B1-a: hazards

Hazards NRI does not cover: check locally

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

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

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$205,114,819	\$16,728	\$151,091	\$205,282,638	181		
2	Cold Wave	Very High	Very High	\$5,041	\$19,001	\$52,681,738	\$52,705,779	36		Includes 32 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
3	Tornado	Relatively High	Relatively High	\$2,933,398	\$1,427	\$9,198,092	\$12,132,916	12		
4	Heat Wave	Relatively Moderate	Relatively Moderate	\$24	\$7,509	\$6,208,622	\$6,216,155	1		
5	Earthquake	Relatively Low	Relatively Low	\$2,319,750		\$575,469	\$2,895,218			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
6	Winter Weather	Very High	Very High	\$51,941	\$218	\$2,166,702	\$2,218,860	238		
7	Ice Storm	Relatively High	Relatively High	\$579,462		\$757,985	\$1,337,447	4		
8	Strong Wind	Relatively Moderate	Relatively Moderate	\$451,664	\$25,336	\$796,809	\$1,273,809	421		Includes 98 High Wind records, event types the NRI definition of this hazard leaves out.
9	Lightning	Relatively High	Relatively High	\$67,694		\$874,751	\$942,445	16		

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
10	Hurricane	Relatively Low	Relatively Low	\$558,533	\$64,269	\$26,509	\$649,310	0		Declared 1 time; no Storm Events record of this type.
11	Hail	Relatively Low	Relatively Low	\$56,405	\$75,505	\$48,932	\$180,842	99		
12	Wildfire	Very Low	Relatively Low	\$85,875	\$24	\$10,850	\$96,748	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.
13	Drought	Relatively Low	Relatively Low		\$42,489		\$42,489	5		
14	Coastal Flooding	Relatively Low	Relatively Low	\$38,756		\$3,689	\$42,445	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Landslide	Very Low	Very Low	\$634		\$841	\$1,475	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.
16	Avalanche	Very Low	Very Low	\$0		\$54	\$54	0		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.	1 of 260
Coastal Flooding	The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (https://msc.fema.gov) for this county.	55 of 260
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	260 of 260
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	65 of 260
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.	260 of 260
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	260 of 260
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	260 of 260
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.	260 of 260
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	260 of 260
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.	260 of 260
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.	226 of 260
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	260 of 260
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	260 of 260
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.	260 of 260
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 260
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 260
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.	227 of 260
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	260 of 260

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

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	0					Flood depth: see the FEMA Flood Insurance Rate Map.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	4, 2016 to 2026 (4 zone-level)	2 days; 4 with a recorded value	2 consecutive days, 2026-02-07 to 2026-02-08, 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	32, 2008 to 2026 (32 zone-level)		Frost/Freeze, 2010-05-10, \$20,000 crop damage, reported for the zone (2010 dollars); NWS zone NYZ085 (SOUTHERN ERIE), 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	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).
Hail	hail size (inches)	131, 1959 to 2026	0.75 in to 2 in (median 1 in); 131 with a recorded value	2 in hail, 2017-05-28; same size also recorded on 2017-05-18	Hail, 2008-06-16, \$50,000 property; \$100,000 crops (2008 dollars)	Event records naming member places: Buffalo city (10 records), Cheektowaga town (5 records), Amherst town (4 records), Clarence town (4 records), Alden town (3 records), Alden village (3 records), Colden town (3 records), Depew village (3 records), Holland town (3 records), Sardinia town (3 records); and 21 more member places (see the XLSX file).	
Excessive Heat, Heat	heat index (narratives)	1, 2005 to 2005 (1 zone-level)	1 day; 1 with a recorded value	1 consecutive day, 2005-07-13, 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.
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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Ice Storm	Sperry-Piltz (local data)	4, 2002 to 2023 (4 zone- level)		Ice Storm, 2002-01-31, \$1,500,000 property; crops not reported, reported for the zone (2002 dollars); NWS zone NYZ010 (ERIE), 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)	181, 1996 to 2026 (28 zone- level)		Flash Flood, 2009-08-09, \$15,000,000 property; \$0 crops (2009 dollars)		Event records naming member places: Buffalo city (22 records), West Seneca town (16 records), Lancaster town (12 records), Lancaster village (12 records), Depew village (10 records), Tonawanda city (9 records), Tonawanda town (9 records), Sloan village (6 records), Kenmore village (5 records), Angola village (4 records); and 23 more member places (see the XLSX file). Zone-level records (28) 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)	16, 1998 to 2018		Lightning, 2011-07-25, \$500,000 property; \$0 crops (2011 dollars), 1 direct injury		Event records naming member places: Clarence town (3 records), Akron village (1 record), Amherst town (1 record), Buffalo city (1 record), Cheektowaga town (1 record), Depew village (1 record), Eden town (1 record), Grand Island town (1 record), Kenmore village (1 record), Orchard Park town (1 record); and 1 more member place (see the XLSX file).	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)	98, 1996 to 2026 (98 zone- level)	44 kt (51 mph) to 69 kt (79 mph) (median 52 kt (60 mph)); 95 with a recorded value	69 kt (79 mph) measured gust, High Wind, 2025-12-29; NWS zone NYZ010 (NORTHERN ERIE), zone-level: may include parts of neighboring counties	High Wind, 2019-10-31, \$1,000,000 property; \$0 crops, reported for the zone (2019 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	446, 1956 to 2026	43 kt (49 mph) to 75 kt (86 mph) (median 51 kt (59 mph)); 320 with a recorded value	75 kt (86 mph) measured gust, Thunderstorm Wind, 2004-04-18	Thunderstorm Wind, 1993-08-31, \$500,000 property; crops not recorded (1993 dollars)	Event records naming member places: Buffalo city (30 records), East Aurora village (19 records), Kenmore village (15 records), Lackawanna city (12 records), Tonawanda city (12 records), Tonawanda town (12 records), Elma town (11 records), Orchard Park town (11 records), Orchard Park village (11 records), Springville village (11 records); and 26 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
Tornado	Enhanced Fujita (F before Feb 2007)	27, 1957 to 2024	F/EF0 to F/EF3 (median F/EF1); 27 with a recorded value	F3 tornado, 1970-08-19, 2.3 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 300 yd wide, \$250,000 property; crops not recorded (1970 dollars), 3 direct injuries	Tornado, 1987-07-30, \$2,500,000 property; crops not recorded (1987 dollars)	Event records naming member places: Buffalo city (2 records), Grand Island town (2 records), Amherst town (1 record), Angola village (1 record), Brant town (1 record), Cheektowaga town (1 record), Clarence town (1 record), Eden town (1 record), Holland town (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)	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)	238, 1996 to 2026 (235 zone-level)		Lake-Effect Snow, 2006-10-12, \$130,000,000 property; \$0 crops, reported for the zone (2006 dollars), 1 direct death (reported for the zone); NWS zone NYZ010 (NORTHERN ERIE), zone-level: may include parts of neighboring counties		Event records naming member places: Depew village (1 record), Holland town (1 record), Orchard Park town (1 record), Orchard Park village (1 record). Zone-level records (235) apply countywide.	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

27

Counted incidents

18

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
2023-03-15	2022-12-23	DR-4694-NY	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$23,393,871.72	new since last plan; within last 5 years	
2022-12-26	2022-12-23	EM-3590-NY	Emergency	SEVERE WINTER STORM	Winter Weather (primary); also designated: Inland Flooding	none found	new since last plan; within last 5 years	same incident as DR-4694
2022-11-20	2022-11-18	EM-3589-NY	Emergency	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$243,285.26	new since last plan; within last 5 years	
2020-03-20	2020-01-20	DR-4480-NY	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$349,975,329.58		
2020-03-13	2020-01-20	EM-3434-NY	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4480
2019-12-19	2019-10-31	DR-4472-NY	Major disaster	SEVERE STORMS, STRAIGHT-LINE WINDS, AND FLOODING	Inland Flooding; Strong Wind	\$3,784,826.86		
2014-12-22	2014-11-17	DR-4204-NY	Major disaster	SEVERE WINTER STORM, SNOWSTORM, AND FLOODING	Winter Weather (primary); also designated: Inland Flooding	\$20,409,372.77		
2012-10-28	2012-10-27	EM-3351-NY	Emergency	HURRICANE SANDY	Hurricane	none found		
2009-09-01	2009-08-08	DR-1857-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$9,596,479.21		
2006-10-24	2006-10-12	DR-1665-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$98,823,810.62		
2006-10-15	2006-10-12	EM-3268-NY	Emergency	LAKE EFFECT SNOWSTORM	Winter Weather	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	\$20,981.83		
2004-08-03	2004-05-13	DR-1534-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$5,589,166		
2003-08-23	2003-08-14	EM-3186-NY	Emergency	POWER OUTAGE	Non-natural, not counted	\$12,380.46		
2002-03-01	2001-12-24	DR-1404-NY	Major disaster	SEVERE WINTER STORM	Winter Weather	\$5,461,987.87		
2001-12-31	2001-12-24	EM-3170-NY	Emergency	SNOW	Winter Weather	\$11,786,088.09		same incident as DR-1404
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	FIRES AND EXPLOSIONS	Non-natural, not counted	\$417,624.47		
2000-12-04	2000-11-19	EM-3157-NY	Emergency	SNOW	Winter Weather	\$3,650,297.38		
2000-10-11	2000-05-22	EM-3155-NY	Emergency	WEST NILE VIRUS	Non-natural, not counted	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2000-07-21	2000-05-03	DR-1335-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$1,573,664.59		
1999-01-15	1999-01-01	EM-3136-NY	Emergency	SNOW	Winter Weather	\$1,542,238.47		
1998-07-07	1998-06-25	DR-1233-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	none found		
1993-03-17	1993-03-13	EM-3107-NY	Emergency	SEVERE BLIZZARD	Winter Weather	none found		
1985-03-22	1985-03-22	DR-734-NY	Major disaster	SNOW MELT & ICE JAMS	Winter Weather	none found		
1977-02-05	1977-02-05	DR-527-NY	Major disaster	SNOWSTORMS	Winter Weather	none found		
1977-01-29	1977-01-29	EM-3027-NY	Emergency	SNOWSTORMS	Winter Weather	none found		same incident as DR-527
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		

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: 2 rows, \$45,581.79

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-4020-NY	2011-08-31	HURRICANE IRENE	SPENCERTOWN FIRE CO., INC.	\$43,125
DR-1589-NY	2005-04-19	SEVERE STORMS AND FLOODING	McGraw Fire Station	\$2,456.79

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

SOURCES

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

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

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval 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	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	36	5	0	5	0	0	1996 to 2026-06-30	Includes 32 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	131	13	0	13	0	0	1955 to 2026-06-30	
Heat Wave	1	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Ice Storm	4	1	0	1	1	0	1996 to 2026-06-30	
Inland Flooding	181	12	7	14	9	1	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	16	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	544	81	24	84	1	0	1955 to 2026-06-30	Includes 98 High Wind records, event types the NRI definition of this hazard leaves out.
Tornado	27	4	0	4	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	238	31	5	36	10	2	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
2026-02-07	Extreme Cold/ Wind Chill		damage not reported	0, 0	NWS zone NYZ085 (SOUTHERN ERIE), 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
2025-12-29	High Wind	69 kt (79 mph) measured gust	damage not reported	0, 0	NWS zone NYZ010 (NORTHERN ERIE), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2022-12-23	Blizzard		\$15,000,000 property; \$0 crops, reported for the zone (2022 dollars)	32, 0	NWS zone NYZ010 (NORTHERN ERIE), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	deaths or injuries recorded
2014-11-19	Lake-Effect Snow		\$2,500,000 property; \$0 crops, reported for the zone (2014 dollars)	1, 1	NWS zone NYZ085 (SOUTHERN ERIE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2011-07-25	Lightning		\$500,000 property; \$0 crops (2011 dollars)	0, 1	CHEEKTOWAGA		B1-c worst recorded: Lightning
2010-05-10	Frost/Freeze		\$0 property; \$20,000 crops, reported for the zone (2010 dollars)	0, 0	NWS zone NYZ085 (SOUTHERN ERIE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/ Freeze (outside NRI Cold Wave definition)
2009-08-09	Flash Flood		\$15,000,000 property; \$0 crops (2009 dollars)	0, 0	HELMUTH		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2006-10-12	Lake-Effect Snow		\$130,000,000 property; \$0 crops, reported for the zone (2006 dollars)	1, 0	NWS zone NYZ010 (NORTHERN ERIE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2005-07-13	Heat		damage not reported	0, 0	NWS zone NYZ010 (NORTHERN ERIE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
2004-04-18	Thunderstorm Wind	75 kt (86 mph) measured gust	\$200,000 property; crops not reported (2004 dollars)	0, 0	ALDEN		B1-c worst recorded: Thunderstorm Wind
2002-01-31	Ice Storm		\$1,500,000 property; crops not reported, reported for the zone (2002 dollars)	0, 0	NWS zone NYZ010 (ERIE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm
1970-08-19	Tornado	F3, 2.3 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 300 yd wide	\$250,000 property; crops not recorded (1970 dollars)	0, 3	location not recorded		B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (1,183 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

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	0.0141	events per year at a location (modeled)	about 0.014 per year at a given location in the county		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Cold Wave	4.9	event-days per year	about 4.9 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	89.5	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 4.9 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 3 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	0.357	event-days per year	about 0.357 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	49	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00081	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.081%			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.

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
Hail	0.819	events per year	about 0.82 per year	Likely	FEMA annualized frequency (modeled)	31.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.1	event-days per year	about 2.1 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	39.5	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 2.1 heat 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.
Hurricane	0.0297	events per year	about 1 in 34 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	2.67	event-days per year	about 2.67 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	155	1946-12-31 to 2014-02-12 (67 years)	countywide	NRI gives about 2.67 ice storm event-days a year here (its annualized frequency over 67 years; not its event count divided by the years), but Storm Events has a record in only 4 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Inland Flooding	3.61	event-days per year	about 3.61 days per year	Highly likely	event-days in 28 of 30 years, 1996 to 2025 (93.3%)	101	1996 to 2023 (28 years)	see B1-f	
Landslide	0.274	events per year (modeled)	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	32.4	days per year with a strike	about 32.4 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.55	events per year	about 1.55 per year	Highly likely	FEMA annualized frequency (modeled)	51	1986 to 2023 (38 years)	countywide	
Tornado	0.149	events per year	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	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
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	0.0000257	annual probability at a location	chance a given location in the county burns in a year: 0.00257%		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	44.9	event-days per year	about 44.9 days per year	Highly likely	event-days in 30 of 30 years, 1996 to 2025 (100%)	827	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

Unit	Descriptor	Definition
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	51	30	1.7
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	288	30	9.6
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	7	30	0.233
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	25	30	0.833
Tornado	EF0-1	1996 to 2025	10	30	0.333
Tornado	EF2-3	1996 to 2025	2	30	0.0667
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 <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	1 of 260	10.6	10.6	10.6	Very Low 1, Not Applicable 259	
Coastal Flooding	55 of 260	68.1	73.9	85.7	Relatively Low 18, Very Low 37, No Rating 205	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Cold Wave	260 of 260	16.7	82.6	94.9	Relatively High 166, Relatively Moderate 92, Relatively Low 1, Very Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	65 of 260	67.5	71.3	87.1	Relatively Low 8, Very Low 57, No Rating 195	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	260 of 260	0.4	25.3	72.7	Relatively Low 38, Very Low 222	
Hail	260 of 260	1.1	12.1	51.3	Relatively Low 6, Very Low 254	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	260 of 260	1.8	33.6	63.2	Relatively Moderate 11, Relatively Low 197, Very Low 52	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	260 of 260	14.4	40.3	52.3	Relatively Low 2, Very Low 258	
Ice Storm	260 of 260	0.2	50.6	79.9	Relatively Moderate 8, Relatively Low 211, Very Low 41	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	260 of 260	0.3	57.9	99.5	Very High 7, Relatively High 49, Relatively Moderate 100, Relatively Low 78, Very Low 26	
Landslide	226 of 260	8.6	18.4	88.7	Relatively Low 4, Very Low 222, No Rating 34	
Lightning	260 of 260	0.3	21.3	39.7	Relatively Low 139, Very Low 121	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	260 of 260	0.3	22.3	44.7	Relatively Low 166, Very Low 94	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	260 of 260	0.9	44.1	62.2	Relatively Moderate 25, Relatively Low 226, Very Low 9	
Tsunami	0 of 260				Insufficient Data 260	
Volcanic Activity	0 of 260				Not Applicable 260	
Wildfire	227 of 260	18.5	44.2	78.6	Relatively Low 16, Very Low 211, No Rating 33	
Winter Weather	260 of 260	14.6	77.7	92.2	Relatively High 121, Relatively Moderate 136, Relatively Low 2, Very Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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
Erie County	County	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$67,255,742.25	0; 0	Includes \$450,986.76 for declarations not counted as hazard incidents (DR-1391-NY, EM-3186-NY, EM-3262-NY).
Akron village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$348,058.60	10; 1	
Alden village	Village	Plan 107979 approved 2022-03-12, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$194,088.72	14; no approved plan	
Angola village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$127,757.91	10; 2	
Blasdell village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 1; any 1	\$492,788	2; 1	
Buffalo city	City	Approved, expires 2027-03-11	FMA RL 1, SRL 2; any 9	\$7,467,579.27	65; 10	Includes \$1,407,467.53 for declarations not counted as hazard incidents (DR-4480-NY).
Depew village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$857,195.47	20; 1	Includes \$8,809.91 for declarations not counted as hazard incidents (DR-4480-NY).
East Aurora village	Village	Approved, expires 2027-03-11	FMA RL 1, SRL 0; any 3	\$288,025.94	21; 2	
Farnham village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	none found	0; 0	
Gowanda village	Village	Approved, expires 2030-09-01	FMA RL 1, SRL 0; any 11	none found	0; 0	Also approved under plan 107979 (Erie County 2022, expires 2027-03-11). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. Whole community, including the part in Cattaraugus County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.
Hamburg village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$1,058,377.40	6; 0	
Kenmore village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$593,876.14	23; 2	
Lackawanna city	City	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$5,306,391.59	17; 1	Includes \$284,429.63 for declarations not counted as hazard incidents (DR-4480-NY).
Lancaster village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$1,240,705.59	16; 0	
North Collins village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$50,438.40	7; 1	
Orchard Park village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$203,950.34	17; 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
Sloan village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$245,048.27	10; 2	
Springville village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 4	\$135,501.86	14; 4	Includes \$5,491.26 for declarations not counted as hazard incidents (DR-4480-NY).
Tonawanda city	City	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$533,207.01	21; 5	
Williamsville village	Village	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$465,494.50	14; 2	
Alden town	Town	Plan 107979 approved 2022-03-12, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$347,331.36	14; no approved plan	
Amherst town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 1; any 2	\$16,276,872.98	10; 0	
Aurora town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 1; any 2	\$220,891.55	0; 0	
Boston town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 2	\$630,293.50	8; 0	Includes \$38,050 for declarations not counted as hazard incidents (DR-4480-NY).
Brant town	Town	Plan 107979 approved 2022-03-12, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 13	\$168,609.08	3; no approved plan	
Cheektowaga town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 1; any 9	\$4,284,610.59	15; 1	Includes \$25,009.56 for declarations not counted as hazard incidents (DR-4480-NY).
Clarence town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$1,370,655.91	19; 0	
Colden town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$211,607.94	8; 0	
Collins town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$94,515.52	10; 1	
Concord town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$504,846.12	1; 0	
Eden town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$934,292.29	12; 6	
Elma town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 3	\$515,610.10	14; 3	
Evans town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 2; any 8	\$2,268,403.25	4; 0	
Grand Island town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 3	\$459,080.70	7; 2	

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
Hamburg town	Town	Approved, expires 2027-03-11	FMA RL 2, SRL 6; any 34	\$5,060,803.75	6; 0	
Holland town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$50,604.96	5; 1	
Lancaster town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 1; any 2	\$2,414,337.38	16; 0	
Marilla town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$56,726.78	4; 0	
Newstead town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 1	\$157,592.75	0; 0	Includes \$17,843.99 for declarations not counted as hazard incidents (DR-4480-NY).
North Collins town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$122,587.43	7; 1	
Orchard Park town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$842,854.66	17; 1	Includes \$28,351.65 for declarations not counted as hazard incidents (DR-4480-NY).
Sardinia town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$13,466.77	10; 3	
Tonawanda town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 4	\$4,973,539.43	21; 5	
Wales town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 0	\$16,846.52	0; 0	
West Seneca town	Town	Approved, expires 2027-03-11	FMA RL 0, SRL 0; any 7	\$3,534,433.97	19; 0	Includes \$302,319.44 for declarations not counted as hazard incidents (DR-4480-NY).

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

- 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 2022-03-12 <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		under 1	\$0		\$54					building exposure is 0 in NRI
Coastal Flooding	\$15,904,862,908		57,485	\$38,756		\$3,689	0.000244%				
Cold Wave	\$195,981,804,206	\$168,655,167	954,005	\$5,041	\$19,001	\$52,681,738	under 0.0001%		\$0		
Drought		\$19,692,798			\$42,489		0.216% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$344,531,145,465		954,236	\$2,319,750		\$575,469	0.000673%				
Hail	\$195,981,804,206	\$168,655,167	954,005	\$56,405	\$75,505	\$48,932	under 0.0001%	\$0			
Heat Wave	\$195,981,804,206	\$168,655,167	954,005	\$24	\$7,509	\$6,208,622	under 0.0001%				
Hurricane	\$195,780,428,553	\$168,530,078	952,458	\$558,533	\$64,269	\$26,509	0.000285%				
Ice Storm	\$195,793,127,474		953,063	\$579,462		\$757,985	0.000296%		\$500		
Inland Flooding	\$195,808,117,120	\$6,835,098	15,801	\$205,114,819	\$16,728	\$151,091	n/a (see note)	\$0	\$500,000	none found (1 declaration)	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	\$802,138,881		3,155	\$634		\$841	under 0.0001%				
Lightning	\$195,981,804,206		954,005	\$67,694		\$874,751	under 0.0001%				
Strong Wind	\$195,981,804,206	\$168,655,167	954,005	\$451,664	\$25,336	\$796,809	0.00023%	\$83,300	\$101,500		Storm Events damage since the plan includes 8 zone-level High Wind records (\$101,500), an event type the NRI definition of this hazard leaves out.

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 2022-03-12 <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
Tornado	\$195,981,804,206	\$168,655,167	954,005	\$2,933,398	\$1,427	\$9,198,092	0.0015%	\$0			
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$59,949,153,179	\$109,509,392	270,093	\$85,875	\$24	\$10,850	0.000143%				
Winter Weather	\$195,981,804,206	\$168,655,167	954,005	\$51,941	\$218	\$2,166,702	under 0.0001%		\$45,000,000	\$23,637,156.98	

Totals since 2022-03-12 (Storm Events through 2026-06-30): 93 county-coded records, 84 with a damage value recorded (including \$0), \$83,300; 54 zone-level records, 46 with a damage value recorded (including \$0), \$45,602,000 reported for the zone; Public Assistance on counted declarations \$23,637,156.98 (3 declarations, 2 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	954,005
Building value (total, not at risk)	\$195,981,804,206
Agriculture value (total, not at risk)	\$168,655,167
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$212,516,499
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)	\$73,502,131
Social vulnerability rating	Relatively Moderate

Measure	Value
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)	4	Severe repetitive loss, FMA definition (44 CFR 77.2)	15
Repetitive loss, NFIP insurance definition	149	Severe repetitive loss, NFIP insurance definition	14

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	4	15	149	14	150	1	22
GOWANDA, VILLAGE OF	0	0	1	0	1	0	0
ALDEN, TOWN OF	0	0	1	0	1	0	1
AMHERST, TOWN OF	0	1	2	1	2	0	1
AURORA, TOWN OF	0	1	2	1	2	0	0
BOSTON, TOWN OF	0	0	2	0	2	0	1
BRANT, TOWN OF	0	0	13	0	13	0	0
BUFFALO, CITY OF	1	2	9	2	9	0	0
CHEEKTOWAGA, TOWN OF	0	1	8	0	9	1	0
CLARENCE, TOWN OF	0	0	1	0	1	0	0
CONCORD, TOWN OF	0	0	1	0	1	0	0
DEPEW, VILLAGE OF	0	0	1	0	1	0	0
EDEN, TOWN OF	0	0	1	0	1	0	0
ELMA,TOWN OF	0	0	3	0	3	0	1
EVANS, TOWN OF	0	2	8	2	8	0	0
GRAND ISLAND, TOWN OF	0	0	3	0	3	0	1

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>
HAMBURG, VILLAGE OF	0	0	1	0	1	0	0
HAMBURG, TOWN OF	2	6	34	6	34	0	11
LACKAWANNA, CITY OF	0	0	1	0	1	0	0
LANCASTER, TOWN OF	0	1	2	1	2	0	1
NEWSTEAD, TOWN OF	0	0	1	0	1	0	0
ORCHARD PARK, VILLAGE OF	0	0	1	0	1	0	1
SPRINGVILLE, VILLAGE OF	0	0	4	0	4	0	0
TONAWANDA, CITY OF	0	0	1	0	1	0	0
TONAWANDA, TOWN OF	0	0	4	0	4	0	0
WEST SENECA, TOWN OF	0	0	7	0	7	0	3
WILLIAMSVILLE, VILLAGE OF	0	0	1	0	1	0	0
ANGOLA, VILLAGE OF	0	0	1	0	1	0	0
BLASDELL, VILLAGE OF	0	1	1	1	1	0	0
FARNHAM, VILLAGE OF	0	0	1	0	1	0	0
SENECA NATION OF INDIANS (community ID not in plan data)	0	0	30	0	30	0	0
EAST AURORA, VILLAGE OF	1	0	3	0	3	0	1
State level, not in this county: county not reported	0	0	19	0	19	0	3

SOURCES

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

Repeat-flood properties by plan member (NFIP community)

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Erie County	360724	0	0	0	0	0	0	0	
Akron village	361553	0	0	0	0	0	0	0	
Alden village	360224	0	0	0	0	0	0	0	
Angola village	360982	0	0	1	0	1	0	0	
Blasdel village	361489	0	1	1	1	1	0	0	
Buffalo city	360230	1	2	9	2	9	0	0	
Depew village	360236	0	0	1	0	1	0	0	
East Aurora village	365335	1	0	3	0	3	0	1	
Farnham village	361588	0	0	1	0	1	0	0	
Gowanda village	360075	1	0	10	0	11	0	5	Whole community, including the part in Cattaraugus County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.

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
Hamburg village	360243	0	0	1	0	1	0	0	
Kenmore village	361590	0	0	0	0	0	0	0	
Lackawanna city	360247	0	0	1	0	1	0	0	
Lancaster village	360248	0	0	0	0	0	0	0	
North Collins village	360789	0	0	0	0	0	0	0	
Orchard Park village	360254	0	0	1	0	1	0	1	
Sloan village	361589	0	0	0	0	0	0	0	
Springville village	360258	0	0	4	0	4	0	0	
Tonawanda city	360259	0	0	1	0	1	0	0	
Williamsville village	360263	0	0	1	0	1	0	0	
Alden town	360225	0	0	1	0	1	0	1	
Amherst town	360226	0	1	2	1	2	0	1	
Aurora town	360227	0	1	2	1	2	0	0	
Boston town	360228	0	0	2	0	2	0	1	
Brant town	360229	0	0	13	0	13	0	0	
Cheektowaga town	360231	0	1	8	0	9	1	0	
Clarence town	360232	0	0	1	0	1	0	0	
Colden town	360233	0	0	0	0	0	0	0	
Collins town	360234	0	0	0	0	0	0	0	
Concord town	360235	0	0	1	0	1	0	0	
Eden town	360238	0	0	1	0	1	0	0	
Elma town	360239	0	0	3	0	3	0	1	
Evans town	360240	0	2	8	2	8	0	0	
Grand Island town	360242	0	0	3	0	3	0	1	
Hamburg town	360244	2	6	34	6	34	0	11	
Holland town	360245	0	0	0	0	0	0	0	
Lancaster town	360249	0	1	2	1	2	0	1	
Marilla town	360250	0	0	0	0	0	0	0	
Newstead town	360251	0	0	1	0	1	0	0	
North Collins town	360252	0	0	0	0	0	0	0	

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
Orchard Park town	360255	0	0	0	0	0	0	0	
Sardinia town	360256	0	0	0	0	0	0	0	
Tonawanda town	360260	0	0	4	0	4	0	0	
Wales town	360261	0	0	0	0	0	0	0	
West Seneca town	360262	0	0	7	0	7	0	3	

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
single-family residential	4	12	123	12	123	0	21
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	7	0	7	0	0
non-residential	0	3	18	2	19	1	1
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 145 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_Gaz_cousubs_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scscd_national.zip, https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx
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Cite this: Hazard Plain (2026). Erie County, NY: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 36029). Preview: automated baseline. Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

Corrections: to report an error, name the packet, the table and what your records show. Contact: 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_36029. Preview: automated baseline.