

Orleans County, NY

Risk-assessment baseline packet

Unit **County area 36073** 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 2026-10-17	Plan	Orleans County 2021 (FEMA plan 107531)
Approved	2021-10-18	Expires	2026-10-17
As of	2026-09-28	Days	19 days to expiry
Update underway	none in FEMA's plan tracker		

What changed since your last plan (approved 2021-10-18)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	36 (data through 2026-06-30)
Repetitive loss now	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 5	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: 15 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Update underway	Notes
Orleans County	County	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		
Albion village	Village	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19
Holley village	Village	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19
Lyndonville village	Village	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19
Medina village	Village	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19
Albion town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-23
Barre town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-23
Carlton town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-12-21
Clarendon town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19
Gaines town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19
Kendall town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2022-01-04
Murray town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-23
Ridgeway town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19
Shelby town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19
Yates town	Town	Approved, expires 2026-10-17	Orleans County 2021 (FEMA plan 107531)	2021-10-18	2026-10-17	19		member approved 2021-11-19

SOURCE

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 Low	Relatively Low	\$4,953,536	\$1,713	\$1,403	\$4,956,652	21		
2	Cold Wave	Relatively Low	Relatively Low	\$324	\$1,037	\$410,143	\$411,505	19		Includes 18 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
3	Strong Wind	Relatively Low	Relatively Low	\$185,817	\$99,926	\$102,072	\$387,815	154		Includes 70 High Wind records, event types the NRI definition of this hazard leaves out.
4	Tornado	Very Low	Very Low	\$71,114	\$576	\$229,815	\$301,505	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
5	Hail	Relatively Low	Relatively Low	\$24,789	\$218,902	\$13,588	\$257,279	25		
6	Ice Storm	Relatively Moderate	Relatively Moderate	\$130,893		\$26,827	\$157,720	4		
7	Earthquake	Very Low	Very Low	\$107,474		\$19,795	\$127,269			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
8	Heat Wave	Very Low	Very Low	under \$1	\$14,002	\$111,440	\$125,442	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
9	Lightning	Relatively Low	Relatively Low	\$1,773		\$100,920	\$102,693	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.
10	Hurricane	Very Low	Very Low	\$21,801	\$66,286	\$943	\$89,030	0		Declared 1 time; no Storm Events record of this type.
11	Winter Weather	Very Low	Relatively Low	\$13,012	\$120	\$7,768	\$20,900	74		

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
12	Wildfire	Very Low	Very Low	\$3,916	\$5	\$411	\$4,331	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	Very Low	Very Low		\$2,419		\$2,419	5		
14	Landslide	Very Low	Very Low	\$4		\$25	\$29	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
15	Coastal Flooding	Very Low	Very Low	under \$1		\$0	under \$1	7		
	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 13
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.	2 of 13
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	13 of 13
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	2 of 13

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
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.	13 of 13
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	13 of 13
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	13 of 13
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.	13 of 13
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	13 of 13
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.	13 of 13
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.	13 of 13
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	13 of 13
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	13 of 13
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.	13 of 13
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 13
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 13
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.	13 of 13
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	13 of 13

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	18, 2008 to 2023 (18 zone-level)		No crop damage reported in 18 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Temperature: 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
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)	30, 1980 to 2024	0.75 in to 1.75 in (median 1 in); 30 with a recorded value	1.75 in hail, 1994-07-25; same size also recorded on 1985-07-10	Hail, 2008-06-16, \$50,000 property; \$8,000,000 crops (2008 dollars)	Event records naming member places: Albion town (4 records), Albion village (4 records), Lyndonville village (3 records), Shelby town (3 records), Gaines town (2 records), Holley village (2 records), Medina village (2 records), Ridgeway town (2 records), Carlton town (1 record), Clarendon town (1 record); and 1 more member place (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)	4, 2002 to 2018 (4 zone-level)		Ice Storm, 2003-04-04, \$1,000,000 property; \$250,000 crops, reported for the zone (2003 dollars); NWS zone NYZ002 (ORLEANS), 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	21, 1996 to 2023 (3 zone-level)		Lakeshore Flood, 2019-05-20, \$1,000,000 property; \$0 crops, reported for the zone (2019 dollars); NWS zone NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties		Event records naming member places: Albion town (7 records), Albion village (7 records), Medina village (3 records), Holley village (1 record). Zone-level records (3) 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)	0					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)	70, 1996 to 2026 (70 zone-level)	35 kt (40 mph) to 61 kt (70 mph) (median 51 kt (59 mph)); 62 with a recorded value	61 kt (70 mph) measured gust, High Wind, 2019-02-24; NWS zone NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties	High Wind, 2019-10-31, \$500,000 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)	122, 1961 to 2026	50 kt (58 mph) to 78 kt (90 mph) (median 50 kt (58 mph)); 74 with a recorded value	78 kt (90 mph), measurement type not recorded, Thunderstorm Wind, 1989-10-14	Thunderstorm Wind, 1998-09-06, \$5,000,000 property; \$5,000,000 crops (1998 dollars)	Event records naming member places: Medina village (13 records), Albion town (11 records), Albion village (11 records), Kendall town (9 records), Ridgeway town (9 records), Shelby town (9 records), Lyndonville village (7 records), Carlton town (5 records), Holley village (4 records), Murray town (4 records); and 2 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)	1, 1986 to 1986	F/EF1; 1 with a recorded value	F1 tornado, 1986-09-29, 0.5 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 23 yd wide, \$25,000 property; crops not recorded (1986 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.
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)	74, 1996 to 2026 (72 zone-level)		Lake-Effect Snow, 2006-10-12, \$750,000 property; \$0 crops, reported for the zone (2006 dollars); NWS zone NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties		Event records naming member places: Gaines town (1 record), Medina village (1 record). Zone-level records (72) 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

24

Counted incidents

15

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	\$2,375,735.73		
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	\$178,740.59		
2017-07-12	2017-03-14	DR-4322-NY	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$129,003.84		
2014-12-22	2014-11-17	DR-4204-NY	Major disaster	SEVERE WINTER STORM, SNOWSTORM, AND FLOODING	Winter Weather (primary); also designated: Inland Flooding	none found		
2012-10-28	2012-10-27	EM-3351-NY	Emergency	HURRICANE SANDY	Hurricane	none found		
2006-10-24	2006-10-12	DR-1665-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$539,946.53		
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	none found		
2004-10-01	2004-08-13	DR-1564-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$313,651.77		
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	\$896.08		
2003-05-12	2003-04-03	DR-1467-NY	Major disaster	ICE STORM	Ice Storm	\$121,842.52		
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	FIRES AND EXPLOSIONS	Non-natural, not counted	none found		
2000-10-11	2000-05-22	EM-3155-NY	Emergency	WEST NILE VIRUS	Non-natural, not counted	none found		
2000-07-21	2000-05-03	DR-1335-NY	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$35,209.08		
1999-03-10	1999-03-03	EM-3138-NY	Emergency	SNOW	Winter Weather	\$139,783.31		
1999-01-15	1999-01-01	EM-3136-NY	Emergency	SNOW	Winter Weather	\$147,290.96		
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		
1993-03-17	1993-03-13	EM-3107-NY	Emergency	SEVERE BLIZZARD	Winter Weather	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		
						<i>federal share obligated, nominal dollars</i>	Flags	Notes
1991-03-21	1990-03-03	DR-898-NY	Major disaster	SEVERE WINTER STORM	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
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		

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, \$12,973.32

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
EM-3273-NY	2007-02-23	RECORD SNOW AND NEAR RECORD SNOW	Albion, Town of (Orleans County)	\$3,635.03
EM-3195-NY	2004-03-03	SNOW	Albion, Town of (Orleans County)	\$9,338.29

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	7	0	0	0	1	0	1996 to 2026-06-30	
Cold Wave	19	1	0	1	0	0	1996 to 2026-06-30	Includes 18 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	30	1	0	1	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	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Ice Storm	4	0	0	0	1	0	1996 to 2026-06-30	
Inland Flooding	21	1	0	1	6	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	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Strong Wind	192	25	3	25	0	0	1955 to 2026-06-30	Includes 70 High Wind records, event types the NRI definition of this hazard leaves out.
Tornado	1	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	74	8	1	8	8	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
2019-10-31	High Wind	52 kt (60 mph) estimated gust	\$500,000 property; \$0 crops, reported for the zone (2019 dollars)	0, 0	NWS zone NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties		B1-c most damaging: High Wind and Strong Wind (outside NRI Strong Wind definition)
2019-05-20	Lakeshore Flood		\$1,000,000 property; \$0 crops, reported for the zone (2019 dollars)	0, 0	NWS zone NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2019-02-24	High Wind	61 kt (70 mph) measured gust	\$10,000 property; \$0 crops, reported for the zone (2019 dollars)	0, 0	NWS zone NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2019-01-30	Extreme Cold/ Wind Chill		\$0 property; \$0 crops, reported for the zone (2019 dollars)	0, 0	NWS zone NYZ002 (ORLEANS), 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 NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
2008-06-16	Hail	1.25 in	\$50,000 property; \$8,000,000 crops (2008 dollars)	0, 0	WEST SHELBY		B1-c most damaging: Hail
2006-10-12	Lake-Effect Snow		\$750,000 property; \$0 crops, reported for the zone (2006 dollars)	0, 0	NWS zone NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2003-04-04	Ice Storm		\$1,000,000 property; \$250,000 crops, reported for the zone (2003 dollars)	0, 0	NWS zone NYZ002 (ORLEANS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm
1998-09-06	Thunderstorm Wind	speed not recorded	\$5,000,000 property; \$5,000,000 crops (1998 dollars)	0, 0	SHELBY		B1-c most damaging: Thunderstorm Wind
1994-07-25	Hail	1.75 in	\$5,000 property; \$5,000,000 crops (1994 dollars)	0, 0	Lyndonville		B1-c worst recorded: Hail
1989-10-14	Thunderstorm Wind	78 kt (90 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1986-09-29	Tornado	F1, 0.5 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 23 yd wide	\$25,000 property; crops not recorded (1986 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the **XLSX** file, sheet "**B1-d Storm Events history**" (353 rows).

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

SOURCES

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

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

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

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding	0.00000000606	events per year at a location (modeled)	about 0.0000000061 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.
Cold Wave	3.11	event-days per year	about 3.11 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	59	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 3.11 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	0.246	event-days per year	about 0.246 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	28	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000823	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0823%			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	0.73	events per year	about 0.73 per year	Likely	FEMA annualized frequency (modeled)	27.7 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	3.05	event-days per year	about 3.05 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	56	2005-11-12 to 2024-11-12 (19 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned

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
Hurricane	0.0288	events per year	about 1 in 35 years	Possible	FEMA annualized frequency (modeled)	8	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	2.24	event-days per year	about 2.24 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	73	1946-12-31 to 2014-02-12 (67 years)	countywide	NRI gives about 2.24 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	0.536	event-days per year	about 0.536 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	15	1996 to 2023 (28 years)	see B1-f	
Landslide	0.0583	events per year (modeled)	about 1 in 17 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	26.2	days per year with a strike	about 26.2 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.17	events per year	about 1.17 per year	Highly likely	FEMA annualized frequency (modeled)	22	1986 to 2023 (38 years)	countywide	
Tornado	0.0537	events per year	about 1 in 19 years	Possible	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	0.0000106	annual probability at a location	chance a given location in the county burns in a year: 0.00106%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Winter Weather	20.1	event-days per year	about 20.1 days per year	Highly likely	event-days in 27 of 30 years, 1996 to 2025 (90%)	382	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	12	30	0.4
Hail	2.00 in+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	66	30	2.2
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	12	30	0.4
Tornado	EF0-1	1996 to 2025	0	30	0
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 <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 13				Not Applicable 13	
Coastal Flooding	2 of 13	68.3	68.4	68.5	Very Low 2, No Rating 11	
Cold Wave	13 of 13	29.1	40.2	47.3	Relatively Moderate 1, Relatively Low 12	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	2 of 13	68.5	75.3	82.1	Relatively Low 1, Very Low 1, No Rating 11	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	13 of 13	17.9	29.2	36.1	Very Low 13	
Hail	13 of 13	24.1	70.0	81.8	Relatively Moderate 7, Relatively Low 3, 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. Agriculture is 85% 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.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Heat Wave	13 of 13	5.6	12.4	20.7	Relatively Low 4, Very Low 9	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	13 of 13	28.9	49.1	54.4	Relatively Low 6, Very Low 7	
Ice Storm	13 of 13	36.4	75.7	85.1	Relatively Moderate 9, Relatively Low 4	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	13 of 13	1.0	22.4	60.4	Relatively Moderate 3, Relatively Low 8, Very Low 2	
Landslide	13 of 13	10.9	45.1	58.6	Very Low 13	
Lightning	13 of 13	24.6	40.8	47.7	Relatively Low 13	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	13 of 13	31.8	65.3	79.2	Relatively Moderate 11, Relatively 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.
Tornado	13 of 13	23.3	34.3	38.6	Relatively Low 11, Very Low 2	
Tsunami	0 of 13				Insufficient Data 13	
Volcanic Activity	0 of 13				Not Applicable 13	
Wildfire	13 of 13	30.7	53.4	61.1	Very Low 13	
Winter Weather	13 of 13	25.4	41.0	47.0	Relatively Low 13	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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
Orleans County	County	Approved, expires 2026-10-17		\$176,797.48	0; 0	No NFIP community ID on this member's plan row. Includes \$85,418.23 for declarations not counted as hazard incidents (DR-4480-NY, EM-3186-NY).
Albion village	Village	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$134,616.23	22; 1	
Holley village	Village	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$42,900.67	7; 0	

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
Lyndonville village	Village	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$2,845.34	10; 1	
Medina village	Village	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$81,341.73	19; 1	
Albion town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$62,282.61	22; 1	
Barre town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 1	\$96,108.41	0; 0	
Carlton town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 2	\$127,464	6; 0	
Clarendon town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 2	\$76,565.51	3; 0	
Gaines town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$190,769.13	6; 1	
Kendall town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$202,668.89	9; 1	
Murray town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$82,105.60	5; 3	
Ridgeway town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$48,526.94	11; 2	
Shelby town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$70,998.86	12; 1	
Yates town	Town	Approved, expires 2026-10-17	FMA RL 0, SRL 0; any 0	\$75,808.42	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 2021-10-18 <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	\$197,512,230		0	under \$1		\$0	under 0.0001%				
Cold Wave	\$8,531,528,949	\$199,917,398	40,286	\$324	\$1,037	\$410,143	under 0.0001%		\$0		
Drought		\$634,424			\$2,419		0.381% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$14,835,703,690		40,343	\$107,474		\$19,795	0.000724%				
Hail	\$8,531,530,973	\$199,917,398	40,286	\$24,789	\$218,902	\$13,588	0.000291%				
Heat Wave	\$8,531,528,949	\$199,917,398	40,286	under \$1	\$14,002	\$111,440	under 0.0001%				
Hurricane	\$8,527,047,569	\$198,697,516	40,244	\$21,801	\$66,286	\$943	0.000256%				
Ice Storm	\$8,531,252,068		40,285	\$130,893		\$26,827	0.00153%				
Inland Flooding	\$8,509,209,715	\$5,948,378	661	\$4,953,536	\$1,713	\$1,403	n/a (see note)	\$0			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	\$45,904,911		212	\$4		\$25	under 0.0001%				
Lightning	\$8,531,530,973		40,286	\$1,773		\$100,920	under 0.0001%				
Strong Wind	\$8,531,530,973	\$199,917,398	40,286	\$185,817	\$99,926	\$102,072	0.00218%	\$18,000	\$130,000		Storm Events damage since the plan includes 9 zone-level High Wind records (\$130,000), an event type the NRI definition of this hazard leaves out.
Tornado	\$8,531,530,973	\$199,917,398	40,286	\$71,114	\$576	\$229,815	0.000834%				
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$3,904,881,407	\$61,868,453	19,641	\$3,916	\$5	\$411	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 2021-10-18 <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
Winter Weather	\$8,531,528,949	\$199,917,398	40,286	\$13,012	\$120	\$7,768	0.000153%		\$0		

Totals since 2021-10-18 (Storm Events through 2026-06-30): 15 county-coded records, 14 with a damage value recorded (including \$0), \$18,000; 21 zone-level records, 18 with a damage value recorded (including \$0), \$130,000 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	40,286
Building value (total, not at risk)	\$8,531,530,973
Agriculture value (total, not at risk)	\$199,917,398
NRI risk rating (all hazards)	Very Low
Expected annual loss, buildings and agriculture, all hazards	\$5,919,439
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)	\$1,025,151
Social vulnerability rating	Relatively Low
Community resilience rating	Relatively 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)	0
Repetitive loss, NFIP insurance definition	5	Severe repetitive loss, NFIP insurance definition	0

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	0	5	0	5	0	1
CARLTON, TOWN OF	0	0	2	0	2	0	0
BARRE, TOWN OF	0	0	1	0	1	0	1
CLARENDON, TOWN OF	0	0	2	0	2	0	0
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
Albion village	360641	0	0	0	0	0	0	0	
Holley village	361454	0	0	0	0	0	0	0	
Lyndonville village	361459	0	0	0	0	0	0	0	
Medina village	360644	0	0	0	0	0	0	0	
Albion town	361252	0	0	0	0	0	0	0	
Barre town	361253	0	0	1	0	1	0	1	
Carlton town	360642	0	0	2	0	2	0	0	
Clarendon town	361254	0	0	2	0	2	0	0	
Gaines town	361255	0	0	0	0	0	0	0	
Kendall town	360643	0	0	0	0	0	0	0	
Murray town	361256	0	0	0	0	0	0	0	
Ridgeway town	361257	0	0	0	0	0	0	0	

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Shelby town	361258	0	0	0	0	0	0	0	
Yates town	360645	0	0	0	0	0	0	0	

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	0	5	0	5	0	1
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	0	0	0	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 fmaRL field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRL) 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 5 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_scsd_national.zip, https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

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

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_NY_36073. Preview: automated baseline.