

Madison County, NY

Risk-assessment baseline packet

County FIPS: 36053 Release: 2026-10 Data as of: 2026-09-30 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.

Summary

Plan status as of 2026-09-30: Approved, expires 2028-03-21. Plan: Madison County 2023 (FEMA plan 108706), approved 2023-03-22.

Since the plan was approved on 2023-03-22: no new hazard declaration and 74 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$19,014,757 a year), Tornado (\$1,020,062) and Lightning (\$591,588).

The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.

NRI: FEMA's National Risk Index (version 1.20, December 2025).

NFIP: National Flood Insurance Program.

RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).

FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.

PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.

Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.

County-coded: NOAA logged the event to this county.

FIPS: the federal code for a place; 36053 is this area.

D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).

F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.

kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.

CFR: Code of Federal Regulations.

A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).

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

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Plan clock

Status:	Approved, expires 2028-03-21	Plan:	Madison County 2023 (FEMA plan 108706)
Approved:	2023-03-22	Days to expiry:	538
What changed since your last plan (approved 2023-03-22)			
New federal declarations:	none	Storm Events records since approval:	74 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 3 (44 CFR 77.2); any definition: 15	Repeat-flood change:	this release sets the baseline count.
Sources: 1, 2, 4, 6 (numbered list at the end)			

Plan status for every jurisdiction listed in this county: 27 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Madison County	County	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Canastota village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Cazenovia village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Chittenango village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
DeRuyter village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Earlville village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538	FEMA tracker shows a plan in review	this jurisdiction approved 2023-03-20
Hamilton village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Madison village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Morrisville village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Munnsville village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Oneida city	City	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Wampsville village	Village	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Brookfield town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Cazenovia town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
DeRuyter town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Eaton town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Fenner town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Georgetown town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Hamilton town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Lebanon town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Lenox town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Lincoln town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Madison town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Nelson town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Smithfield town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Stockbridge town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20
Sullivan town	Town	Approved, expires 2028-03-21	Madison County 2023 (FEMA plan 108706)	2023-03-22	2028-03-21	538		this jurisdiction approved 2023-03-20

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- 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)

Sources: 5, 6

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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$18,980,188	\$788	\$33,781	\$19,014,757	53	
2	Tornado	Relatively Low	Relatively Low	\$277,919	\$936	\$741,207	\$1,020,062	6	
3	Lightning	Relatively Moderate	Relatively Moderate	\$4,445	n/a	\$587,143	\$591,588	4	
4	Cold Wave	Relatively Low	Relatively Low	\$2,152	\$213	\$581,814	\$584,178	18	
5	Strong Wind	Relatively Low	Relatively Low	\$262,675	\$1,788	\$241,533	\$505,996	198	Includes 15 High Wind and 2 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
6	Earthquake	Very Low	Very Low	\$222,695	n/a	\$42,404	\$265,100		Storm Events does not record earthquakes.
7	Ice Storm	Relatively Moderate	Relatively Moderate	\$226,492	n/a	\$27,661	\$254,154	10	
8	Hurricane	Relatively Low	Relatively Low	\$160,440	\$48,036	\$7,796	\$216,272	0	Declared 2 times; no Storm Events record of this type.
9	Heat Wave	Very Low	Relatively Low	under \$1	\$9,722	\$194,803	\$204,526	4	
10	Winter Weather	Relatively Moderate	Relatively Moderate	\$26,022	\$121	\$143,636	\$169,779	158	
11	Hail	Very Low	Very Low	\$14,527	\$78,390	\$26,292	\$119,210	94	
12	Wildfire	Very Low	Very Low	\$7,443	\$11	\$844	\$8,298	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
13	Landslide	Relatively Low	Very Low	\$576	n/a	\$3,056	\$3,632	0	Declared 1 time; no Storm Events record of this type.
14	Avalanche	Very Low	Very Low	\$0	n/a	\$11	\$11	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Drought	No Rating	No Expected Annual Losses	n/a	\$0	n/a	\$0	2	

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).
NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.
Local data needed: state and local wildfire and landslide records (Storm Events records these hazards only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: coastal flooding, tsunami and volcanic activity. That is the evidence for leaving them out of the plan.
The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.
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.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 308 (Very Low, 4.5)
Earthquake	tract 301.02 (Relatively Low, 58.5); tract 303 (Relatively Low, 50.4); tract 301.01 (Relatively Low, 48.3)
Hurricane	tract 310 (Relatively Low, 56.6); tract 308 (Relatively Low, 56.0); tract 306.01 (Relatively Low, 55.8)
Landslide	tract 308 (Relatively Low, 92.6); tract 310 (Relatively Low, 90.8); tract 307.01 (Relatively Low, 88.3)
Tornado	tract 309 (Relatively Moderate, 55.0); tract 304.01 (Relatively Moderate, 54.5); tract 310 (Relatively Low, 53.1)
Wildfire	tract 310 (Very Low, 66.0); tract 309 (Very Low, 64.0); tract 308 (Very Low, 63.0)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 308 is Census Tract 308). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	0					
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	18 records, 1996 to 2026 (18 zone-level)	1 day to 4 days (median 1 day); 15 with a recorded value	4 consecutive days, 2005-01-21 to 2005-01-24, zone-level	Cold/Wind Chill, 2004-01-15, \$20,000 property; crops not reported (zone total, 2004 dollars)	Countywide (zone-level records).	Cold/Wind Chill records from May to September (a frost night, not a cold wave) are counted but not used for the longest run.
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	2 records, 1999 to 2001 (2 zone-level)	1 day to 30 days (median 15.5 days); 2 with a recorded value	30 days (1 month), 1999-09-01 to 1999-09-30, zone-level		Countywide (zone-level records).	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					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	102 records, 1971 to 2025	0.75 in to 2.5 in (median 1 in); 102 with a recorded value	2.5 in hail, 2007-08-03		Event records naming jurisdictions in the plan: Oneida city (16 records), Canastota village (14 records), Sullivan town (6 records), Chittenango village (4 records), Georgetown town (4 records), Hamilton town (4 records), Hamilton village (4 records), Madison town (3 records), Madison village (3 records), Stockbridge town (3 records); and 7 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	4 records, 2001 to 2012 (4 zone-level)	3 days to 10 days (median 6.5 days); 2 with a recorded value	10 consecutive days, 2001-08-01 to 2001-08-10, zone-level		Countywide (zone-level records).	Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	10 records, 1999 to 2021 (10 zone-level)		Ice Storm, 2003-04-04, \$3,000,000 property; crops not reported (2003 dollars); NWS zone NYZ036		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	53 records, 1996 to 2025		Flash Flood, 2006-06-27, \$25,000,000 property; crops not reported (2006 dollars)		Event records naming jurisdictions in the plan: Oneida city (6 records), Hamilton town (5 records), Hamilton village (5 records), Eaton town (4 records), Stockbridge town (3 records), Cazenovia town (2 records), Cazenovia village (2 records), Chittenango village (2 records), Georgetown town (2 records), Morrisville village (2 records); and 7 more jurisdictions (see the Excel file).	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	4 records, 2000 to 2023		Lightning, 2023-07-24, \$0 property; \$0 crops (2023 dollars), 1 direct death, 2 direct injuries	Lightning, 2002-06-27, \$20,000 property; crops not reported (2002 dollars)	Event records naming jurisdictions in the plan: Chittenango village (1 record), Sullivan town (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	17 records, 1996 to 2021 (17 zone-level)	45 kt (52 mph) to 60 kt (69 mph) (median 50 kt (58 mph)); 13 with a recorded value	60 kt (69 mph) estimated gust, High Wind, 2003-10-15; NWS zone NYZ036	High Wind, 2011-02-18, \$50,000 property; \$0 crops (zone total, 2011 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	240 records, 1966 to 2026	50 kt (58 mph) to 78 kt (90 mph) (median 50 kt (58 mph)); 175 with a recorded value	78 kt (90 mph) estimated gust, Thunderstorm Wind, 2014-07-03	Thunderstorm Wind, 1998-09-07, \$5,000,000 property; crops not reported (1998 dollars)	Event records naming jurisdictions in the plan: Canastota village (23 records), Oneida city (15 records), Hamilton town (11 records), Hamilton village (11 records), Sullivan town (11 records), Cazenovia town (10 records), Cazenovia village (10 records), Brookfield town (7 records), Morrisville village (7 records), Lebanon town (6 records); and 10 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	8 records, 1977 to 2024	F/EF0 to F/EF2 (median F/EF1); 8 with a recorded value	EF2 tornado, 2014-07-08, 2.5 mi within this county, 235 yd wide, \$600,000 property; \$0 crops (2014 dollars), 4 direct deaths		Event records naming jurisdictions in the plan: Canastota village (1 record), Georgetown town (1 record), Munnsville village (1 record), Wampsville village (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	158 records, 1996 to 2026 (158 zone- level)		Heavy Snow, 2003-01-03, \$300,000 property; crops not reported (2003 dollars); NWS zone NYZ036		Countywide (zone-level records).	

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of avalanche, debris flow and lightning.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records from zones that no NWS zone-county file places in this county (mostly before 2020) are not counted here (the Methods page explains the zone matching).

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 24 declarations covering 16 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2020-03-20	2020-01-20	DR-4480-NY	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$9,764,625.31	
2020-03-13	2020-01-20	EM-3434-NY	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	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	\$1,063,967.57	
2017-07-12	2017-03-14	DR-4322-NY	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$396,479.89	
2013-07-12	2013-06-26	DR-4129-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$3,717,632.71	
2012-10-28	2012-10-27	EM-3351-NY	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded	
2011-06-10	2011-04-26	DR-1993-NY	Major disaster	Severe Storms, Flooding, Tornadoes, and Straight-Line Winds	Inland Flooding (primary); also designated: Strong Wind, Tornado	\$761,673.78	
2006-07-01	2006-06-26	DR-1650-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$755,396.28	
2005-09-30	2005-08-29	EM-3262-NY	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Notes
						<i>federal share obligated, nominal dollars</i>	
2005-04-19	2005-04-02	DR-1589-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$544,554.44	
2004-10-01	2004-08-13	DR-1564-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county	
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	
2003-08-29	2003-07-21	DR-1486-NY	Major disaster	Severe Storms, Flooding, and Tornadoes	Inland Flooding; Tornado	\$180,115.19	
2003-08-23	2003-08-14	EM-3186-NY	Emergency	Power Outage	Non-natural, not counted	no Public Assistance recorded	
2003-05-12	2003-04-03	DR-1467-NY	Major disaster	Ice Storm	Ice Storm	\$367,702.08	
2003-02-25	2002-12-25	EM-3173-NY	Emergency	Snowstorms	Winter Weather	\$135,265.41	
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	Fires and Explosions	Non-natural, not counted	\$4,000	
2000-10-11	2000-05-22	EM-3155-NY	Emergency	West Nile Virus	Non-natural, not counted	no Public Assistance recorded	
2000-07-21	2000-05-03	DR-1335-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$612,017.29	
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	no Public Assistance recorded	
1996-01-24	1996-01-19	DR-1095-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded	
1993-03-17	1993-03-13	EM-3107-NY	Emergency	Severe Blizzard	Winter Weather	no Public Assistance recorded	
1975-10-02	1975-10-02	DR-487-NY	Major disaster	Storms, Rains, Landslides & Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded	
1972-06-23	1972-06-23	DR-338-NY	Major disaster	Tropical Storm Agnes	Inland Flooding (primary); also designated: Hurricane	no Public Assistance recorded	

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.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
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, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

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.

Public Assistance filed under this county for declarations that do not list it: 1 row, \$764.50

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
EM-3184-NY	2003-03-27	Snow	Earlville, Village of	\$764.50

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.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</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
Cold Wave	18	1	0	4	0	0	1996 to 2026-06-30	
Drought	2	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	102	3	0	3	0	0	1955 to 2026-06-30	
Heat Wave	4	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	2	0	1996 to 2026-06-30	No Storm Events records of this type; 2 federal declared incidents (see declarations table)
Ice Storm	10	0	0	0	1	0	1996 to 2026-06-30	
Inland Flooding	53	6	0	6	11	0	1996 to 2026-06-30	
Landslide	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)
Lightning	4	1	0	1	0	0	1996 to 2026-06-30	
Strong Wind	257	44	8	53	2	0	1955 to 2026-06-30	Includes 15 High Wind and 2 Strong Wind records.
Tornado	8	2	0	2	2	0	1950 to 2026-06-30	
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	158	17	4	26	3	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2024-07-16	Tornado	EF1, 1.42 mi within this county, 100 yd wide	\$250,000 property; \$0 crops (2024 dollars)	1, 0	CANASTOTA to WAMPSVILLE	new since last plan; within last 5 years	deaths or injuries recorded
2023-07-24	Lightning		\$0 property; \$0 crops (2023 dollars)	1, 2	CLOCKVILLE	new since last plan; within last 5 years	deaths or injuries recorded
2014-07-08	Tornado	EF2, 2.5 mi within this county, 235 yd wide	\$600,000 property; \$0 crops (2014 dollars)	4, 0	PETERBORO		deaths or injuries recorded
2014-07-03	Thunderstorm Wind	78 kt (90 mph) estimated gust	\$100,000 property; \$0 crops (2014 dollars)	0, 0	MIDDLEPORT		B1-c worst recorded: Thunderstorm Wind
2007-08-03	Hail	2.5 in	\$20,000 property; \$0 crops (2007 dollars)	0, 0	CANASTOTA		B1-c worst recorded: Hail
2006-06-27	Flash Flood		\$25,000,000 property; crops not reported (2006 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2005-01-21	Cold/Wind Chill		\$0 property; crops not reported (zone total, 2005 dollars)	0, 0	NWS zone NYZ036 (MADISON), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2003-10-15	High Wind	60 kt (69 mph) estimated gust	\$50,000 property; crops not reported (zone total, 2003 dollars)	0, 0	NWS zone NYZ036 (MADISON), zone-level		B1-c worst recorded: High Wind and Strong Wind
2003-04-04	Ice Storm		\$3,000,000 property; crops not reported (zone total, 2003 dollars)	0, 0	NWS zone NYZ036 (MADISON), zone-level		B1-c worst recorded: Ice Storm
2003-01-03	Heavy Snow		\$300,000 property; crops not reported (zone total, 2003 dollars)	0, 0	NWS zone NYZ036 (MADISON), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2001-08-01	Heat		damage not reported	0, 0	NWS zone NYZ036 (MADISON), zone-level		B1-c worst recorded: Excessive Heat, Heat
1999-09-01	Drought		damage not reported	0, 0	NWS zone NYZ036 (MADISON), zone-level		B1-c worst recorded: Drought

The full list is in the Excel file, sheet "B1-d Storm Events history" (616 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

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

Supports FEMA checklist item B1-e: probability of future events

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

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.
Cold Wave	4.48	event-days per year	about 4.48 days per year	Likely	Storm Events event-days in 8 of 30 years, 1996 to 2025 (26.7%)	85.1	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	0	event-days per year	none modeled	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	0	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI models no drought event-days here (2000 to 2025, 25.25 years; D3 and D4 only); Storm Events has a record in 2 of 30 years. The descriptor comes from Storm Events, which counts D2 drought that NRI leaves out.
Earthquake	0.00105	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.105%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.43	events per year	about 2.43 per year	Highly likely	FEMA annualized frequency (modeled)	92.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.9	event-days per year	about 2.9 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	47	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0164	events per year	about 1 in 61 years	Possible	FEMA annualized frequency (modeled)	4	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.955	event-days per year	about 0.955 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	65	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.964	event-days per year	about 0.964 days per year	Likely	Storm Events event-days in 16 of 30 years, 1996 to 2025 (53.3%)	27	1996 to 2023 (28 years)	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
Landslide	0.499	events per year (modeled)	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	29	days per year with a strike	about 29 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.36	events per year	about 1.36 per year	Highly likely	FEMA annualized frequency (modeled)	52	1986 to 2023 (38 years)	countywide	
Tornado	0.144	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	
Wildfire	0.0000187	annual probability at a location	chance a given location in the county burns in a year: 0.00187%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	27.6	event-days per year	about 27.6 days per year	Highly likely	Storm Events event-days in 30 of 30 years, 1996 to 2025 (100%)	525	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

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

Intensity bands: historical frequency (Storm Events)

Source: 6

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	46	30	1.53
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	162	30	5.4
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	5	30	0.167
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	9	30	0.3
Tornado	EF0-1	1996 to 2025	4	30	0.133
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

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

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.

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 (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	1 of 19	4.5	4.5	4.5	Very Low 1, Not Applicable 18
Cold Wave	19 of 19	25.8	37.8	49.5	Relatively Moderate 2, Relatively Low 17
Drought	0 of 19				No Rating 19
Earthquake	19 of 19	13.9	29.6	58.5	Relatively Low 5, Very Low 14
Hail	19 of 19	24.4	39.7	63.2	Relatively Low 14, Very Low 5
Heat Wave	19 of 19	5.6	13.5	23.9	Relatively Low 9, Very Low 10
Hurricane	19 of 19	46.4	52.3	56.6	Relatively Low 11, Very Low 8
Ice Storm	19 of 19	41.2	76.1	85.5	Relatively Moderate 14, Relatively Low 5
Inland Flooding	19 of 19	20.1	76.3	96.1	Very High 1, Relatively High 7, Relatively Moderate 7, Relatively Low 4
Landslide	19 of 19	19.0	70.6	92.6	Relatively Low 8, Very Low 11
Lightning	19 of 19	51.9	79.5	91.9	Relatively High 10, Relatively Moderate 9
Strong Wind	19 of 19	37.8	65.0	73.3	Relatively Moderate 13, Relatively Low 6
Tornado	19 of 19	34.4	45.9	55.0	Relatively Moderate 2, Relatively Low 17
Wildfire	19 of 19	44.1	55.2	66.0	Very Low 19
Winter Weather	19 of 19	57.9	80.2	88.0	Relatively High 10, Relatively Moderate 9

Hail: Agriculture is 66% of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

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.

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are (crop and livestock value where a line above names agriculture).

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Madison County	County	Approved, expires 2028-03-21		\$768,513.85	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row. Includes \$4,000 for declarations not counted as hazard incidents (DR-1391-NY).
Canastota village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$30,549.58	39 total; 4 since its plan	
Cazenovia village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 1; any 3	\$6,762.50	13 total; 0 since its plan	
Chittenango village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 1	\$6,344.53	12 total; 0 since its plan	
DeRuyter village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Earlville village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$5,910.82	0 total; 0 since its plan	
Hamilton village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$23,667.17	20 total; 8 since its plan	
Madison village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	6 total; 0 since its plan	
Morrisville village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$2,774.32	11 total; 2 since its plan	
Munnsville village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 1 since its plan	
Oneida city	City	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 3	\$2,496,933.13	37 total; 2 since its plan	Includes \$5,059.58 for declarations not counted as hazard incidents (DR-4480-NY).
Wampsville village	Village	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	5 total; 1 since its plan	
Brookfield town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$493,668.37	9 total; 2 since its plan	
Cazenovia town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$183,115.55	13 total; 0 since its plan	
DeRuyter town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$236,819.09	0 total; 0 since its plan	
Eaton town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$302,557.33	10 total; 1 since its plan	
Fenner town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$173,527.04	0 total; 0 since its plan	
Georgetown town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$106,008.02	9 total; 2 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Hamilton town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$492,101.41	20 total; 8 since its plan	
Lebanon town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$853,583.85	8 total; 0 since its plan	
Lenox town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 1	\$31,819	3 total; 1 since its plan	
Lincoln town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$43,553.67	2 total; 0 since its plan	
Madison town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 1	\$1,209,619.48	6 total; 0 since its plan	
Nelson town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$151,010.69	6 total; 0 since its plan	
Smithfield town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$61,332.66	0 total; 0 since its plan	
Stockbridge town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 0; any 0	\$47,899.02	11 total; 1 since its plan	
Sullivan town	Town	Approved, expires 2028-03-21	FMA RL 0, SRL 2; any 6	\$87,369.74	19 total; 3 since its plan	

Repetitive-loss counts are for whole NFIP communities, which can extend beyond this county (see the note in B2-c).

County Public Assistance in B1-d also includes applicants filed under the county that are not jurisdictions in this plan (for example state agencies, special districts and nonprofits), so the jurisdiction rows add up to less.

Supports FEMA checklist items B2-a and B2-b: vulnerability and potential impacts

Local data needed

The table below gives county-level starting figures; the plan describes impacts for each jurisdiction and its own assets.

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction 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

Sources: 1, 2, 3, 5, 6, 7

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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-03-22 <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	n/a	under 1	\$0	n/a	\$11					building exposure is 0 in NRI
Cold Wave	\$15,574,102,706	\$146,308,947	68,007	\$2,152	\$213	\$581,814	under 0.0001%		\$0		
Drought	n/a	\$0	n/a	n/a	\$0	n/a					agriculture exposure is 0 in NRI
Earthquake	\$27,306,128,929	n/a	68,016	\$222,695	n/a	\$42,404	0.000816%				
Hail	\$15,574,102,706	\$146,308,947	68,007	\$14,527	\$78,390	\$26,292	under 0.0001%	\$0			
Heat Wave	\$15,574,102,706	\$146,308,947	68,007	under \$1	\$9,722	\$194,803	under 0.0001%				
Hurricane	\$15,573,526,074	\$144,605,003	68,000	\$160,440	\$48,036	\$7,796	0.00103%				
Ice Storm	\$15,571,483,679	n/a	67,991	\$226,492	n/a	\$27,661	0.00145%				
Inland Flooding	\$15,533,330,319	\$4,361,771	3,313	\$18,980,188	\$788	\$33,781	n/a (see note)	\$115,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$380,958,375	n/a	1,807	\$576	n/a	\$3,056	0.000151%				
Lightning	\$15,574,102,706	n/a	68,007	\$4,445	n/a	\$587,143	under 0.0001%	\$0			
Strong Wind	\$15,574,102,706	\$146,308,947	68,007	\$262,675	\$1,788	\$241,533	0.00169%	\$132,000			
Tornado	\$15,574,102,706	\$146,308,947	68,007	\$277,919	\$936	\$741,207	0.00178%	\$260,000			

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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-03-22 <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
Wildfire	\$6,162,283,986	\$76,693,887	29,014	\$7,443	\$11	\$844	0.000121%				
Winter Weather	\$15,574,102,706	\$146,308,947	68,007	\$26,022	\$121	\$143,636	0.000167%		\$0		

Totals since 2023-03-22 (Storm Events through 2026-06-30): 56 county-coded records, 56 with a damage value recorded (including \$0), \$507,000; 18 zone-level records, 18 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

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 does not add up to the total; the unit total counts each declaration once.

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

County context

Source: 5

Measure	Value
Population	68,007
Building value (total, not at risk)	\$15,574,102,706
Agriculture value (total, not at risk)	\$146,308,947
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$20,325,581
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)	\$2,631,982
Social vulnerability rating	Relatively Low
Community resilience rating	Very High
NRI version	December 2025

FEMA's all-hazard expected annual loss adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	3
Repetitive loss, NFIP insurance definition	14	Severe repetitive loss, NFIP insurance definition	3

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county and state-level rows

Sources: 1, 4

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	3	14	3	15	0	3
of which: Cazenovia village	0	1	2	1	3	0	0
of which: Chittenango village	0	0	1	0	1	0	1
of which: Lenox town	0	0	1	0	1	0	0
of which: Oneida city	0	0	3	0	3	0	0
of which: Sullivan town	0	2	6	2	6	0	2
of which: Madison town	0	0	1	0	1	0	0
Statewide, no county in FEMA's file	0	0	19	0	19	0	3

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	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>
Canastota village	360393	0	0	0	0	0	0	0
Cazenovia village	360394	0	1	2	1	3	0	0
Chittenango village	360395	0	0	1	0	1	0	1
DeRuyter village	360396	0	0	0	0	0	0	0
Earlville village	360397	0	0	0	0	0	0	0
Hamilton village	360402	0	0	0	0	0	0	0
Madison village	365375	0	0	0	0	0	0	0
Morrisville village	360406	0	0	0	0	0	0	0
Munnsville village	360407	0	0	0	0	0	0	0

Jurisdiction	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>
Oneida city	360408	0	0	3	0	3	0	0
Wampsville village	361485	0	0	0	0	0	0	0
Brookfield town	360392	0	0	0	0	0	0	0
Cazenovia town	361290	0	0	0	0	0	0	0
DeRuyter town	361291	0	0	0	0	0	0	0
Eaton town	360398	0	0	0	0	0	0	0
Fenner town	360399	0	0	0	0	0	0	0
Georgetown town	360400	0	0	0	0	0	0	0
Hamilton town	360401	0	0	0	0	0	0	0
Lebanon town	360403	0	0	0	0	0	0	0
Lenox town	360404	0	0	1	0	1	0	0
Lincoln town	360405	0	0	0	0	0	0	0
Madison town	361292	0	0	1	0	1	0	0
Nelson town	361293	0	0	0	0	0	0	0
Smithfield town	361294	0	0	0	0	0	0	0
Stockbridge town	361412	0	0	0	0	0	0	0
Sullivan town	360409	0	2	6	2	6	0	2

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction 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 jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

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	3	11	3	12	0	3
2 to 4 unit residential	0	0	2	0	2	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	1	0	1	0	0
not reported	0	0	0	0	0	0	0

FEMA's occupancy groups have no institutional class; institutional properties are counted in non-residential or other residential in the table by occupancy group.

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. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

Counts are aggregates of FEMA's public NFIP Multiple Loss Properties file (FEMA's data date 2026-08-02; file version 2026-08-04). No property is identified. County assignment is FEMA's geocode.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 14 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

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2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <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 2026-09-30, 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 2026-09-30, <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 2026-09-30, <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 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/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 (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each item is met.

The plan adds what only the community has: local data on assets, critical facilities, development and each jurisdiction's impacts; local hazard history, including state-declared emergencies; the mitigation strategy; and adoption.

How the federal data are built: National Risk Index values are FEMA's model, not counts of events. Storm Events is more complete from 1996; zone-level records are placed by forecast zone, not by location in the county. Public Assistance for a jurisdiction is matched by applicant name. The Methods page gives every rule and the known edge cases.

OpenFEMA disclaimer

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Madison County, NY: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 36053). Automated baseline. <https://hazardplain.org/ny/36053/> 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: contact@hazardplain.org