

Genesee County, NY

Risk-assessment baseline packet

County FIPS: 36037 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 2031-03-19. Plan: Genesee County 2025 (FEMA plan 109980), approved 2026-03-20.

Since the plan was approved on 2026-03-20: no new hazard declaration and 5 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 (\$14,080,526 a year), Lightning (\$984,763) and Strong Wind (\$826,375).

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; 36037 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 2031-03-19	Plan:	Genesee County 2025 (FEMA plan 109980)
Approved:	2026-03-20	Days to expiry:	1,631
What changed since your last plan (approved 2026-03-20)			
New federal declarations:	none	Storm Events records since approval:	5 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 1 (44 CFR 77.2); any definition: 11	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: 22 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
Genesee County	County	Approved, expires 2031-03-19	Genesee County 2025 (FEMA plan 109980)	2026-03-20	2031-03-19	1,631		
Alexander village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Attica village	Village	Expired on 2026-07-27	Wyoming County 2021 (FEMA plan 107445)	2021-07-28	2026-07-27	-65	FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Batavia city	City	Approved, expires 2031-03-19	Genesee County 2025 (FEMA plan 109980)	2026-03-20	2031-03-19	1,631		this jurisdiction approved 2026-09-09
Bergen village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Corfu village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Elba village	Village	Approved, expires 2031-03-19	Genesee County 2025 (FEMA plan 109980)	2026-03-20	2031-03-19	1,631		this jurisdiction approved 2026-08-21
Le Roy village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Oakfield village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Alabama town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Alexander town	Town	Approved, expires 2031-03-19	Genesee County 2025 (FEMA plan 109980)	2026-03-20	2031-03-19	1,631		this jurisdiction approved 2026-05-19

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Batavia town	Town	Approved, expires 2031-03-19	Genesee County 2025 (FEMA plan 109980)	2026-03-20	2031-03-19	1,631		this jurisdiction approved 2026-05-12
Bergen town	Town	Approved, expires 2031-03-19	Genesee County 2025 (FEMA plan 109980)	2026-03-20	2031-03-19	1,631		this jurisdiction approved 2026-05-12
Bethany town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Byron town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Darien town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Elba town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Le Roy town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Oakfield town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Pavilion town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Pembroke town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Stafford town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	Genesee County 2025 (FEMA plan 109980), pending adoption here	2026-03-20 by FEMA; not yet adopted here	2031-03-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

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	EAL agriculture	Cost of expected deaths and injuries	EAL total (see note)	Storm Events records, 1996 to 2026-06-30	Storm Events coverage note
				<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>FEMA's dollar value per year, not property damage</i>	<i>modeled dollars per year</i>	<i>count</i>	
1	Inland Flooding	Relatively Low	Relatively Low	\$13,867,834	\$2,256	\$210,436	\$14,080,526	37	
2	Lightning	Relatively High	Relatively High	\$6,192	n/a	\$978,571	\$984,763	4	
3	Strong Wind	Relatively Moderate	Relatively Moderate	\$358,686	\$46,965	\$420,724	\$826,375	195	Includes 70 High Wind records (a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition).
4	Drought	Relatively Moderate	Relatively Moderate	n/a	\$664,289	n/a	\$664,289	5	

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
5	Cold Wave	Relatively Low	Relatively Low	\$544	\$15,612	\$588,301	\$604,456	25	Includes 23 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
6	Tornado	Relatively Low	Relatively Low	\$136,588	\$1,144	\$369,748	\$507,480	5	
7	Hail	Relatively Low	Relatively Low	\$16,943	\$380,743	\$18,994	\$416,680	21	
8	Ice Storm	Relatively Moderate	Relatively Moderate	\$213,915	n/a	\$73,111	\$287,027	5	
9	Hurricane	Relatively Low	Relatively Low	\$148,555	\$103,591	\$5,694	\$257,839	0	Declared 1 time; no Storm Events record of this type.
10	Earthquake	Very Low	Very Low	\$209,597	n/a	\$36,563	\$246,159		Storm Events does not record earthquakes.
11	Heat Wave	Very Low	Very Low	under \$1	\$19,992	\$153,452	\$173,444	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Winter Weather	Relatively Low	Relatively Low	\$15,828	\$197	\$11,448	\$27,474	103	
13	Wildfire	Very Low	Very Low	\$6,217	\$11	\$539	\$6,767	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Landslide	Very Low	Very Low	\$22	n/a	\$131	\$153	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Coastal Flooding	Not Applicable	Not Applicable					0	Declared 1 time; no Storm Events record of this type.

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: avalanche, 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>
Coastal Flooding	no tract has a National Risk Index rating for this hazard
Earthquake	tract 9504.01 (Relatively Low, 43.2); tract 9510 (Relatively Low, 42.6); tract 9514 (Very Low, 41.1)
Hurricane	tract 9514 (Relatively Low, 63.6); tract 9501 (Relatively Low, 60.1); tract 9511 (Relatively Low, 60.0)
Landslide	tract 9514 (Very Low, 78.4); tract 9513 (Very Low, 72.3); tract 9511 (Very Low, 71.0)
Tornado	tract 9514 (Relatively Moderate, 56.2); tract 9501 (Relatively Low, 42.1); tract 9502 (Relatively Low, 41.9)
Wildfire	tract 9514 (Relatively Low, 69.2); tract 9502 (Very Low, 61.6); tract 9504.01 (Very Low, 60.4)

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 9504.01 is Census Tract 9504.01). 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
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	2 records, 2014 to 2019 (2 zone-level)	2 days; 2 with a recorded value	2 consecutive days, 2019-01-30 to 2019-01-31, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	23 records, 2008 to 2026 (23 zone-level)		No crop damage reported in 23 records.		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
Drought	U.S. Drought Monitor scale (D0 to D4)	5 records, 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		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)	28 records, 1974 to 2022	0.75 in to 2 in (median 0.75 in); 28 with a recorded value	2 in hail, 1985-05-31	Hail, 2008-06-16, \$60,000 property; \$3,400,000 crops (2008 dollars)	Event records naming jurisdictions in the plan: Batavia city (8 records), Batavia town (8 records), Alexander town (2 records), Alexander village (2 records), Corfu village (2 records), Alabama town (1 record), Bergen town (1 record), Bergen village (1 record), Byron town (1 record), Darien town (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	0					
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)	5 records, 2002 to 2023 (5 zone-level)		Ice Storm, 2002-01-31, \$1,000,000 property; crops not reported (2002 dollars); NWS zone NYZ011		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	37 records, 1996 to 2024 (9 zone-level)		Flash Flood, 1998-06-26, \$500,000 property; crops not reported (1998 dollars)		Event records naming jurisdictions in the plan: Batavia city (12 records), Batavia town (12 records), Le Roy town (5 records), Le Roy village (5 records), Corfu village (4 records), Byron town (2 records), Darien town (1 record), Pembroke town (1 record), Stafford town (1 record). Zone-level records (9) apply countywide.	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, 2011 to 2017		Lightning, 2016-08-10, \$0 property; \$0 crops (2016 dollars), 2 direct deaths	Lightning, 2017-07-24, \$75,000 property; \$0 crops (2017 dollars)	Event records naming jurisdictions in the plan: Batavia city (1 record), Batavia town (1 record).	Storm Events lists lightning with damage or casualties.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	70 records, 1996 to 2026 (70 zone-level)	43 kt (49 mph) to 66 kt (76 mph) (median 52 kt (60 mph)); 62 with a recorded value	66 kt (76 mph) measured gust, High Wind, 2021-12-11; NWS zone NYZ011	High Wind, 2017-03-08, \$500,000 property; \$0 crops (zone total, 2017 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	159 records, 1961 to 2026	50 kt (58 mph) to 75 kt (86 mph) (median 50 kt (58 mph)); 110 with a recorded value	75 kt (86 mph) estimated gust, Thunderstorm Wind, 2004-04-18	Thunderstorm Wind, 1998-09-06, \$100,000 property; crops not reported (1998 dollars)	Event records naming jurisdictions in the plan: Batavia city (21 records), Batavia town (21 records), Le Roy town (14 records), Le Roy village (14 records), Oakfield town (10 records), Oakfield village (10 records), Pembroke town (9 records), Byron town (8 records), Elba town (8 records), Elba village (8 records); and 9 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	6 records, 1993 to 2024	F/EF0 to F/EF1 (median F/EF0); 6 with a recorded value	F1 tornado, 1993-09-03, 4.2 mi path length (whole path, pre-1996), 65 yd wide, \$500,000 property; crops not recorded (1993 dollars), 2 direct deaths	Tornado, 2009-07-25, \$2,000,000 property; \$0 crops (2009 dollars)	Event records naming jurisdictions in the plan: Alexander town (1 record), Alexander village (1 record), Batavia city (1 record), Batavia town (1 record), Corfu village (1 record), Pavilion town (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).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	103 records, 1996 to 2026 (103 zone-level)		Lake-Effect Snow, 2006-10-12, \$3,000,000 property; \$0 crops (2006 dollars); NWS zone NYZ011		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 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: 25 declarations covering 15 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>	Flags	Notes
2023-03-15	2022-12-23	DR-4694-NY	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$78,919.70	within last 5 years	
2022-12-26	2022-12-23	EM-3590-NY	Emergency	Severe Winter Storm	Winter Weather (primary); also designated: Inland Flooding	no Public Assistance recorded	within last 5 years	same incident as DR-4694
2022-11-20	2022-11-18	EM-3589-NY	Emergency	Severe Winter Storm and Snowstorm	Winter Weather	no Public Assistance recorded	within last 5 years	
2020-03-20	2020-01-20	DR-4480-NY	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$618,272.05		
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
2014-12-22	2014-11-17	DR-4204-NY	Major disaster	Severe Winter Storm, Snowstorm, and Flooding	Winter Weather (primary); also designated: Inland Flooding	\$440,068.59		
2012-10-28	2012-10-27	EM-3351-NY	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded		
2006-10-24	2006-10-12	DR-1665-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$2,181,822.64		
2006-10-15	2006-10-12	EM-3268-NY	Emergency	Lake Effect Snowstorm	Winter Weather	no Public Assistance recorded		
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		
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	\$1,036.67		
2003-05-12	2003-04-03	DR-1467-NY	Major disaster	Ice Storm	Ice Storm: designated for Hazard Mitigation only (no Public or Individual Assistance for this county); not counted	PA not declared for this county		
2001-12-31	2001-12-24	EM-3170-NY	Emergency	Snow	Winter Weather	\$193,718.29		
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	Fires and Explosions	Non-natural, not counted	\$13,673.25		
2000-10-11	2000-05-22	EM-3155-NY	Emergency	West Nile Virus	Non-natural, not counted	no Public Assistance recorded		
1999-01-15	1999-01-01	EM-3136-NY	Emergency	Snow	Winter Weather	\$104,904.68		
1998-07-07	1998-06-25	DR-1233-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1998-01-06	1998-01-05	DR-1196-NY	Major disaster	Severe Storms and Flooding	Winter Weather (primary); also designated: Inland Flooding	PA not declared for this county		
1993-03-17	1993-03-13	EM-3107-NY	Emergency	Severe Blizzard	Winter Weather	no Public Assistance recorded		
1991-03-21	1990-03-03	DR-898-NY	Major disaster	Severe Winter Storm	Winter Weather	no Public Assistance recorded		
1977-02-05	1977-02-05	DR-527-NY	Major disaster	Snowstorms	Winter Weather	no Public Assistance recorded		
1977-01-29	1977-01-29	EM-3027-NY	Emergency	Snowstorms	Winter Weather	no Public Assistance recorded		same incident as DR-527
1976-03-19	1976-03-19	DR-494-NY	Major disaster	Ice Storm, Severe Storms & Flooding	Ice Storm (primary); also designated: Inland Flooding	no Public Assistance recorded		
1973-03-21	1973-03-21	DR-367-NY	Major disaster	High Winds, Wave Action & Flooding	Inland Flooding (primary); also designated: Coastal Flooding	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: 2 rows, \$8,321.57

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-1993-NY	2011-06-10	Severe Storms, Flooding, Tornadoes, and Straight-Line Winds	Bennington, Town of	\$5,823.02
EM-3138-NY	1999-03-10	Snow	Bennington, Town of	\$2,498.55

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
Coastal Flooding	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)
Cold Wave	25	2	0	3	0	0	1996 to 2026-06-30	Includes 23 Frost/Freeze records.
Drought	5	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	28	0	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	5	0	0	1	1	0	1996 to 2026-06-30	
Inland Flooding	37	0	0	3	7	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	4	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	229	3	5	30	0	0	1955 to 2026-06-30	Includes 70 High Wind records.
Tornado	6	0	0	4	0	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	103	0	7	19	10	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
2021-12-11	High Wind	66 kt (76 mph) measured gust	\$50,000 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone NYZ011 (GENESEE), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2019-01-30	Extreme Cold/ Wind Chill		\$0 property; \$0 crops (zone total, 2019 dollars)	0, 0	NWS zone NYZ011 (GENESEE), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/ Wind Chill
2017-07-24	Lightning		\$75,000 property; \$0 crops (2017 dollars)	0, 0	NORTH BERGEN		B1-c most damaging: Lightning
2017-03-08	High Wind	43 kt (49 mph) measured sustained	\$500,000 property; \$0 crops (zone total, 2017 dollars)	0, 1	NWS zone NYZ011 (GENESEE), zone-level		deaths or injuries recorded
2016-08-10	Lightning		\$0 property; \$0 crops (2016 dollars)	2, 0	BATAVIA		deaths or injuries recorded
2016-07-21	Drought		damage not reported	0, 0	NWS zone NYZ011 (GENESEE), zone-level		B1-c worst recorded: Drought
2006-10-12	Lake-Effect Snow		\$3,000,000 property; \$0 crops (zone total, 2006 dollars)	0, 0	NWS zone NYZ011 (GENESEE), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2004-04-18	Thunderstorm Wind	75 kt (86 mph) estimated gust	\$50,000 property; crops not reported (2004 dollars)	0, 0	DARIEN		B1-c worst recorded: Thunderstorm Wind
2002-01-31	Ice Storm		\$1,000,000 property; crops not reported (zone total, 2002 dollars)	0, 0	NWS zone NYZ011 (GENESEE), zone-level		B1-c worst recorded: Ice Storm
1998-06-26	Flash Flood		\$500,000 property; crops not reported (1998 dollars)	0, 0	BATAVIA		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1993-09-03	Tornado	F1, 4.2 mi path length (whole path, pre-1996), 65 yd wide	\$500,000 property; crops not recorded (1993 dollars)	2, 0	Batavia		deaths or injuries recorded
1985-05-31	Hail	2 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail

The full list is in the Excel file, sheet "B1-d Storm Events history" (442 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
Coastal Flooding		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Cold Wave	3	event-days per year	about 3 days per year	Possible	Storm Events event- days in 2 of 30 years, 1996 to 2025 (6.67%)	57	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	1.94	event-days per year	about 1.94 days per year	Possible	Storm Events event- days in 1 of 30 years, 1996 to 2025 (3.33%)	49	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000829	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0829%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.855	events per year	about 0.85 per year	Likely	FEMA annualized frequency (modeled)	32.5 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.84	event-days per year	about 2.84 days per year		Storm Events event- days in 0 of 30 years, 1996 to 2025 (0%)	53	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane	0.0274	events per year	about 1 in 37 years	Possible	FEMA annualized frequency (modeled)	12	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	1.94	event-days per year	about 1.94 days per year	Likely	Storm Events event- days in 5 of 30 years, 1996 to 2025 (16.7%)	131	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.929	event-days per year	about 0.929 days per year	Likely	Storm Events event- days in 16 of 30 years, 1996 to 2025 (53.3%)	26	1996 to 2023 (28 years)	see B1-f	
Landslide	0.0921	events per year (modeled)	about 1 in 11 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	

Hazard	FEMA annualized frequency (modeled)	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
	<i>unit per row</i>								
Lightning	28.6	days per year with a strike	about 28.6 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	0.0499	events per year	about 1 in 20 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.000012	annual probability at a location	chance a given location in the county burns in a year: 0.0012%		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	21.8	event-days per year	about 21.8 days per year	Highly likely	Storm Events event- days in 29 of 30 years, 1996 to 2025 (96.7%)	414	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	5	30	0.167
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	104	30	3.47
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	16	30	0.533
Tornado	EF0-1	1996 to 2025	5	30	0.167
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

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	
Coastal Flooding	0 of 18				Not Applicable 18
Cold Wave	18 of 18	19.1	37.9	56.5	Relatively Moderate 6, Relatively Low 11, Very Low 1
Drought	14 of 18	71.2	91.4	96.2	Relatively Moderate 7, Relatively Low 4, Very Low 3, No Rating 4
Earthquake	18 of 18	6.4	35.6	43.2	Relatively Low 2, Very Low 16
Hail	18 of 18	14.6	57.2	90.7	Relatively High 1, Relatively Moderate 6, Relatively Low 3, Very Low 8
Heat Wave	18 of 18	2.3	10.4	29.4	Relatively Low 6, Very Low 12
Hurricane	18 of 18	39.0	53.7	63.6	Relatively Low 12, Very Low 6
Ice Storm	18 of 18	29.0	78.9	89.4	Relatively Moderate 14, Relatively Low 3, Very Low 1
Inland Flooding	18 of 18	2.9	60.2	90.4	Relatively High 4, Relatively Moderate 10, Relatively Low 3, Very Low 1
Landslide	18 of 18	8.7	42.8	78.4	Very Low 18
Lightning	18 of 18	27.9	91.2	98.5	Very High 6, Relatively High 10, Relatively Moderate 1, Relatively Low 1

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Strong Wind	18 of 18	18.0	73.2	93.1	Relatively High 6, Relatively Moderate 10, Relatively Low 1, Very Low 1
Tornado	18 of 18	5.6	33.5	56.2	Relatively Moderate 1, Relatively Low 14, Very Low 3
Wildfire	18 of 18	33.9	54.6	69.2	Relatively Low 1, Very Low 17
Winter Weather	18 of 18	17.1	37.9	53.8	Relatively Moderate 3, Relatively Low 14, Very Low 1

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

Hail: Agriculture is 91% 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, drought, 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
Genesee County	County	Approved, expires 2031-03-19		\$1,933,247.41	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row. Includes \$147,490.35 for declarations not counted as hazard incidents (DR-1391-NY, DR-4480-NY, EM-3186-NY).
Alexander village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	8 total; no approved plan	
Attica village	Village	Expired on 2026-07-27	FMA RL 0, SRL 1; any 7	no Public Assistance recorded	0 total; 0 since its plan	Whole community, including the part in Wyoming County; in-county portion (county table): FMA RL 0, FMA SRL 1, NFIP RL 4, NFIP SRL 1, any category 4.
Batavia city	City	Approved, expires 2031-03-19	FMA RL 0, SRL 0; any 2	no Public Assistance recorded	43 total; 1 since its plan	
Bergen village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$15,903.13	6 total; no approved plan	Includes \$13,422.62 for declarations not counted as hazard incidents (DR-4480-NY).
Corfu village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$78,928.59	10 total; no approved plan	
Elba village	Village	Approved, expires 2031-03-19	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	8 total; 0 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>	
Le Roy village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	19 total; no approved plan	
Oakfield village	Village	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$23,715.22	10 total; no approved plan	
Alabama town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$43,278.54	7 total; no approved plan	
Alexander town	Town	Approved, expires 2031-03-19	FMA RL 0, SRL 0; any 2	\$76,574.49	8 total; 0 since its plan	
Batavia town	Town	Approved, expires 2031-03-19	FMA RL 0, SRL 0; any 2	\$95,278.94	43 total; 1 since its plan	Includes \$6,492.76 for declarations not counted as hazard incidents (DR-4480-NY).
Bergen town	Town	Approved, expires 2031-03-19	FMA RL 0, SRL 0; any 0	\$10,495.01	6 total; 0 since its plan	Includes \$0 for declarations not counted as hazard incidents (DR-4480-NY).
Bethany town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$42,634.94	0 total; no approved plan	
Byron town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$19,067.39	11 total; no approved plan	
Darien town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$165,390.50	7 total; no approved plan	
Elba town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$28,826.96	8 total; no approved plan	
Le Roy town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$31,802.43	19 total; no approved plan	
Oakfield town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$46,388.55	10 total; no approved 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>	
Pavilion town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$28,178.07	3 total; no approved plan	
Pembroke town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$118,001.54	10 total; no approved plan	
Stafford town	Town	Plan 109980 approved 2026-03-20, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$19,329.77	5 total; no approved 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 2026-03-20 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$14,598,309,634	\$302,521,826	58,382	\$544	\$15,612	\$588,301	under 0.0001%		\$0		
Drought	n/a	\$91,987,369	n/a	n/a	\$664,289	n/a	0.722% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$26,745,946,556	n/a	58,388	\$209,597	n/a	\$36,563	0.000784%				
Hail	\$14,598,309,634	\$302,521,826	58,382	\$16,943	\$380,743	\$18,994	0.000116%				
Heat Wave	\$14,598,309,634	\$302,521,826	58,382	under \$1	\$19,992	\$153,452	under 0.0001%				
Hurricane	\$14,598,309,634	\$299,708,701	58,382	\$148,555	\$103,591	\$5,694	0.00102%				
Ice Storm	\$14,598,309,634	n/a	58,382	\$213,915	n/a	\$73,111	0.00147%				
Inland Flooding	\$14,567,226,857	\$15,962,316	3,725	\$13,867,834	\$2,256	\$210,436	n/a (see note)				NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$78,775,454	n/a	299	\$22	n/a	\$131	under 0.0001%				
Lightning	\$14,598,309,634	n/a	58,382	\$6,192	n/a	\$978,571	under 0.0001%				
Strong Wind	\$14,598,309,634	\$302,521,826	58,382	\$358,686	\$46,965	\$420,724	0.00246%	\$0			
Tornado	\$14,598,309,634	\$302,521,826	58,382	\$136,588	\$1,144	\$369,748	0.000936%				

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 2026-03-20 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Wildfire	\$5,826,862,739	\$111,303,496	25,393	\$6,217	\$11	\$539	0.000107%				
Winter Weather	\$14,598,309,634	\$302,521,826	58,382	\$15,828	\$197	\$11,448	0.000108%				

Totals since 2026-03-20 (Storm Events through 2026-06-30): 3 county-coded records, 3 with a damage value recorded (including \$0), \$0; 2 zone-level records, 2 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	58,382
Building value (total, not at risk)	\$14,598,309,634
Agriculture value (total, not at risk)	\$302,521,826
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$16,215,721
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)	\$2,867,712
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)	1
Repetitive loss, NFIP insurance definition	11	Severe repetitive loss, NFIP insurance definition	1

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	1	11	1	11	0	2
of which: Alexander town	0	0	2	0	2	0	1
of which: Batavia town	0	0	2	0	2	0	0
of which: Batavia city	0	0	2	0	2	0	0
of which: Attica village	0	1	4	1	4	0	1
of which: Alexander village	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>	Note
Alexander village	361496	0	0	1	0	1	0	0	
Attica village	360985	0	1	7	1	7	0	2	Whole community, including the part in Wyoming County; in-county portion (county table): FMA RL 0, FMA SRL 1, NFIP RL 4, NFIP SRL 1, any category 4.
Batavia city	360279	0	0	2	0	2	0	0	
Bergen village	361497	0	0	0	0	0	0	0	
Corfu village	361498	0	0	0	0	0	0	0	
Elba village	361499	0	0	0	0	0	0	0	
Le Roy village	360281	0	0	0	0	0	0	0	
Oakfield village	361500	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>	Note
Alabama town	361067	0	0	0	0	0	0	0	
Alexander town	360277	0	0	2	0	2	0	1	
Batavia town	360278	0	0	2	0	2	0	0	
Bergen town	361137	0	0	0	0	0	0	0	
Bethany town	361138	0	0	0	0	0	0	0	
Byron town	361139	0	0	0	0	0	0	0	
Darien town	361140	0	0	0	0	0	0	0	
Elba town	361120	0	0	0	0	0	0	0	
Le Roy town	360280	0	0	0	0	0	0	0	
Oakfield town	361119	0	0	0	0	0	0	0	
Pavilion town	360282	0	0	0	0	0	0	0	
Pembroke town	360283	0	0	0	0	0	0	0	
Stafford town	361118	0	0	0	0	0	0	0	

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	0	7	0	7	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	1	4	1	4	0	1
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 11 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):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
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_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 (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). Genesee County, NY: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 36037). Automated baseline. <https://hazardplain.org/ny/36037/> 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