

Rensselaer County, NY

Risk-assessment baseline packet

County FIPS: 36083 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 2031-02-18. Plan: Rensselaer County 2025 (FEMA plan 110309), approved 2026-02-19.

Since the plan was approved on 2026-02-19: no new hazard declaration and 10 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 (\$36,568,033 a year), Tornado (\$3,446,298) and Hail (\$2,499,033).

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; 36083 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.

CONTENTS

1. Summary and terms used, page 1
2. Plan clock, page 2
3. What changed since your last plan (approved 2026-02-19), page 2
4. B1-a: hazard identification, page 5
5. B1-b: hazard location, page 7
6. B1-c: hazard extent, page 7
7. B1-d: previous occurrences, page 10
8. B1-e: probability of future events, page 14
9. B1-f: hazards that vary across jurisdictions, page 17
10. B2-a and B2-b: vulnerability and potential impacts, page 20
11. B2-a: vulnerability (county context), page 21
12. B2-c: repetitive loss properties, page 22
13. Sources, what the plan adds, disclaimer and citation, page 24

Plan clock

Status:	Approved, expires 2031-02-18	Plan:	Rensselaer County 2025 (FEMA plan 110309)
Approved:	2026-02-19	Days to expiry:	1,602
What changed since your last plan (approved 2026-02-19)			
New federal declarations:	none	Storm Events records since approval:	10 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 3, SRL 1 (44 CFR 77.2); any definition: 35	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: 23 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
Rensselaer County	County	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-05-11
Castleton-on-Hudson village	Village	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
East Nassau village	Village	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-04-02
Hoosick Falls village	Village	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Nassau village	Village	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-05-28
Rensselaer city	City	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-03-09
Schaghticoke village	Village	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-04-13
Troy city	City	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Valley Falls village	Village	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Berlin town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 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 <i>negative = days since expiry</i>	Update underway	Notes
Brunswick town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
East Greenbush town	Town	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-09-23
Grafton town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Hoosick town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Nassau town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
North Greenbush town	Town	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-09-16
Petersburgh town	Town	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		
Pittstown town	Town	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-04-22
Poestenkill town	Town	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-07-14
Sand Lake town	Town	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-05-13
Schaghticoke town	Town	Approved, expires 2031-02-18	Rensselaer County 2025 (FEMA plan 110309)	2026-02-19	2031-02-18	1,602		this jurisdiction approved 2026-05-01

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Schodack town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Stephentown town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	Rensselaer County 2025 (FEMA plan 110309), pending adoption here	2026-02-19 by FEMA; not yet adopted here	2031-02-18 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 Moderate	Relatively Moderate	\$36,466,056	\$2,966	\$99,011	\$36,568,033	111	
2	Tornado	Relatively Moderate	Relatively Moderate	\$794,422	\$736	\$2,651,139	\$3,446,298	4	
3	Hail	Relatively Moderate	Relatively Moderate	\$15,600	\$26,470	\$2,456,963	\$2,499,033	104	
4	Hurricane	Relatively Low	Relatively Moderate	\$1,676,275	\$84,102	\$87,434	\$1,847,810	1	
5	Strong Wind	Relatively Moderate	Relatively Moderate	\$147,875	\$2,343	\$1,125,357	\$1,275,576	545	Includes 50 High Wind and 61 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).

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
6	Cold Wave	Relatively Low	Relatively Moderate	\$464	\$11,285	\$1,082,832	\$1,094,581	90	Includes 36 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
7	Lightning	Relatively Moderate	Relatively Moderate	\$32,970	n/a	\$723,362	\$756,332	13	
8	Earthquake	Relatively Low	Relatively Low	\$476,919	n/a	\$91,334	\$568,253		Storm Events does not record earthquakes.
9	Heat Wave	Relatively Low	Relatively Low	\$1	\$4,985	\$543,911	\$548,897	67	
10	Ice Storm	Relatively Moderate	Relatively Moderate	\$215,962	n/a	\$23,737	\$239,699	3	
11	Winter Weather	Relatively Moderate	Relatively Moderate	\$40,241	\$7	\$74,198	\$114,446	226	
12	Wildfire	Very Low	Very Low	\$12,279	\$4	\$1,696	\$13,979	2	
13	Landslide	Relatively Low	Very Low	\$1,802	n/a	\$6,062	\$7,864	1	
14	Avalanche	Very Low	Very Low	\$0	n/a	\$302	\$302	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Coastal Flooding	No Rating	No Expected Annual Losses	\$0	n/a	\$0	\$0	1	
16	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.

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: 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.

Coastal Flooding and 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 521.02 (Very Low, 28.0); tract 517.01 (Very Low, 27.9); tract 520.02 (Very Low, 27.0)
Earthquake	tract 407.01 (Relatively Low, 50.8); tract 406 (Relatively Low, 50.6); tract 525.02 (Relatively Low, 41.8)
Hurricane	tract 517.01 (Relatively Low, 75.0); tract 406 (Relatively Low, 74.3); tract 525.02 (Relatively Low, 74.2)
Landslide	tract 517.01 (Relatively Low, 92.9); tract 521.03 (Relatively Low, 92.6); tract 521.02 (Relatively Low, 92.0)
Tornado	tract 525.02 (Relatively Moderate, 63.7); tract 522.03 (Relatively Moderate, 63.2); tract 523.01 (Relatively Moderate, 62.5)
Wildfire	tract 524.02 (Very Low, 65.6); tract 522.01 (Very Low, 65.5); tract 517.01 (Very Low, 65.2)

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 521.02 is Census Tract 521.02). 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					
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	1 record, 2012 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	54 records, 1996 to 2026 (54 zone-level)	1 day to 6 days (median 2 days); 38 with a recorded value	6 consecutive days, 2026-01-28 to 2026-02-02, zone-level		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	36 records, 2002 to 2023 (36 zone-level)		Frost/Freeze, 2008-05-01, \$30,800 crop damage (2008 dollars); NWS zone NYZ053		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)	2 records, 1999 (2 zone-level)	30 days to 31 days (median 30.5 days); 2 with a recorded value	31 days (1 month), 1999-08-01 to 1999-08-31, 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)	133 records, 1959 to 2025	0.75 in to 2.75 in (median 0.88 in); 133 with a recorded value	2.75 in hail, 2011-06-01	Hail, 2008-06-16, \$0 property; \$31,000 crops (2008 dollars)	Event records naming jurisdictions in the plan: East Greenbush town (14 records), Stephentown town (6 records), Poestenkill town (5 records), Berlin town (4 records), East Nassau village (4 records), Troy city (4 records), Schaghticoke town (3 records), Schaghticoke village (3 records), Brunswick town (2 records), Grafton town (2 records); and 5 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	67 records, 1998 to 2026 (67 zone-level)	1 day to 6 days (median 2 days); 44 with a recorded value	6 consecutive days, 2018-06-30 to 2018-07-05, 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	1 record, 2011 (1 zone-level)		Strongest recorded: Tropical Storm record, 2011-08-28, \$0 property; \$0 crops (2011 dollars); NWS zone NYZ053		Countywide (zone-level records).	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)	3 records, 2007 to 2008 (3 zone-level)		No damage reported in 3 records.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	111 records, 1996 to 2023 (16 zone-level)		Flash Flood, 2008-08-11, \$4,000,000 property; \$0 crops (2008 dollars)		Event records naming jurisdictions in the plan: Troy city (6 records), East Greenbush town (5 records), Schaghticoke town (5 records), Schaghticoke village (5 records), Pittstown town (3 records), Hoosick Falls village (2 records), Hoosick town (2 records), Nassau town (2 records), Nassau village (2 records), Rensselaer city (2 records); and 5 more jurisdictions (see the Excel file). Zone-level records (16) 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)	1 record, 2010 (1 zone-level)		No damage reported in 1 record.		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
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	13 records, 1996 to 2020		Lightning, 2000-05-13, \$70,000 property; crops not reported (2000 dollars)		Event records naming jurisdictions in the plan: Brunswick town (2 records), Schaghticoke town (2 records), Schaghticoke village (2 records), Castleton-on-Hudson village (1 record), Hoosick town (1 record), Pittstown town (1 record), Rensselaer city (1 record), Troy city (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)	111 records, 1996 to 2026 (110 zone-level)	30 kt (35 mph) to 74 kt (85 mph) (median 45 kt (52 mph)); 97 with a recorded value	74 kt (85 mph) measured gust, High Wind, 2024-04-03; NWS zone NYZ054	High Wind, 1999-09-16, \$300,000 property; crops not reported (zone total, 1999 dollars)	Event records naming jurisdictions in the plan: Brunswick town (1 record). Zone-level records (110) apply countywide.	
Thunderstorm Wind	wind speed (kt and mph)	553 records, 1962 to 2026	40 kt (46 mph) to 100 kt (115 mph) (median 50 kt (58 mph)); 370 with a recorded value	100 kt (115 mph), measurement type not recorded, Thunderstorm Wind, 1999-07-06		Event records naming jurisdictions in the plan: East Greenbush town (23 records), Troy city (22 records), Hoosick Falls village (20 records), Hoosick town (19 records), Schaghticoke town (19 records), Schaghticoke village (19 records), Nassau town (16 records), Nassau village (16 records), Pittstown town (14 records), Grafton town (11 records); and 11 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	10 records, 1973 to 2020	F/EF0 to F/EF2 (median F/EF1); 10 with a recorded value	F2 tornado, 1973-08-28, 2.3 mi path length (whole path, pre-1996), 83 yd wide, \$25,000 property; crops not recorded (1973 dollars), 1 direct injury	Tornado, 1998-05-31, \$10,000,000 property; \$200,000 crops (1998 dollars)	Event records naming jurisdictions in the plan: Nassau town (1 record), Nassau village (1 record), Valley Falls 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).
Wildfire	acres burned (local data)	2 records, 2001 to 2002 (1 zone-level)		Wildfire, 2001-04-19, \$2,000 property; crops not reported (2001 dollars)		Event records naming jurisdictions in the plan: Schaghticoke town (1 record), Schaghticoke village (1 record). Zone-level records (1) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	226 records, 1996 to 2026 (226 zone-level)		Winter Storm, 1997-03-31, \$250,000 property; crops not reported (1997 dollars); NWS zone NYZ053		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: 29 declarations covering 20 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
2021-08-22	2021-08-21	EM-3565-NY	Emergency	Hurricane Henri	Hurricane	no Public Assistance recorded	
2020-03-20	2020-01-20	DR-4480-NY	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$25,172,603.26	
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
2017-07-12	2017-03-14	DR-4322-NY	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$749,252.10	
2012-10-28	2012-10-27	EM-3351-NY	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded	
2011-09-08	2011-09-07	EM-3341-NY	Emergency	Remnants of Tropical Storm Lee	Hurricane	no Public Assistance recorded	
2011-08-31	2011-08-26	DR-4020-NY	Major disaster	Hurricane Irene	Hurricane	\$10,237,927.68	
2011-02-18	2010-12-26	DR-1957-NY	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$522,445.21	
2009-03-04	2008-12-11	DR-1827-NY	Major disaster	Severe Winter Storm	Winter Weather	\$3,855,165.99	
2008-12-18	2008-12-11	EM-3299-NY	Emergency	Severe Winter Storm	Winter Weather	\$588,100.79	same incident as DR-1827
2006-07-01	2006-06-26	DR-1650-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$277,153.34	
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	
2005-04-19	2005-04-02	DR-1589-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$507,831.02	
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	\$252,670.67	FEMA's declaration record does not list Public Assistance, but FEMA's PA project summaries show obligations for this county
2003-08-29	2003-07-21	DR-1486-NY	Major disaster	Severe Storms, Flooding, and Tornadoes	Inland Flooding; Tornado	PA not declared for this county	
2003-08-23	2003-08-14	EM-3186-NY	Emergency	Power Outage	Non-natural, not counted	\$497.49	
2003-02-25	2002-12-25	EM-3173-NY	Emergency	Snowstorms	Winter Weather	\$856,247.45	
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	Fires and Explosions	Non-natural, not counted	\$3,096.02	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Notes
						<i>federal share obligated, nominal dollars</i>	
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	\$1,626,296.69	
1999-09-19	1999-09-16	DR-1296-NY	Major disaster	Hurricane Floyd Major Disaster Declarations	Hurricane	PA not declared for this county	
1998-06-16	1998-05-31	DR-1222-NY	Major disaster	Severe Storms and Tornadoes	Tornado	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	
1996-01-12	1996-01-06	DR-1083-NY	Major disaster	Blizzard of 96 (Severe Snow Storm)	Winter Weather	no Public Assistance recorded	
1993-03-17	1993-03-13	EM-3107-NY	Emergency	Severe Blizzard	Winter Weather	no Public Assistance recorded	
1987-11-10	1987-10-04	DR-801-NY	Major disaster	Severe Winter Storm	Winter Weather	no Public Assistance recorded	
1978-08-07	1978-08-07	EM-3066-NY	Emergency	Chemical Waste, Love Canal	Non-natural, not counted	no Public Assistance recorded	
1976-09-03	1976-09-03	DR-520-NY	Major disaster	Hurricane Belle	Hurricane	no Public Assistance recorded	
1973-07-20	1973-07-20	DR-401-NY	Major disaster	Severe Storms & Flooding	Inland 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, \$6,654.33

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
EM-3184-NY	2003-03-27	Snow	Green Island, Village of	\$5,723.56
EM-3184-NY	2003-03-27	Snow	Green Island Union Free School	\$930.77

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
Coastal Flooding	1	0	0	0	0	0	1996 to 2026-06-30	
Cold Wave	90	0	9	17	0	0	1996 to 2026-06-30	Includes 36 Frost/Freeze records.
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	133	0	1	4	0	0	1955 to 2026-06-30	
Heat Wave	67	1	12	27	0	0	1996 to 2026-06-30	
Hurricane	1	0	0	0	6	0	1996 to 2026-06-30	
Ice Storm	3	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	111	0	0	8	6	0	1996 to 2026-06-30	
Landslide	1	0	0	0	0	0	1996 to 2026-06-30	
Lightning	13	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	664	7	13	92	0	0	1955 to 2026-06-30	Includes 50 High Wind and 61 Strong Wind records.
Tornado	10	0	0	0	2	0	1950 to 2026-06-30	

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
Wildfire	2	0	0	0	0	0	1996 to 2026-06-30	
Winter Weather	226	2	7	46	7	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
2026-01-28	Cold/Wind Chill		damage not reported	0, 0	NWS zone NYZ054 (EASTERN RENSSELAER), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2024-04-03	High Wind	74 kt (85 mph) measured gust	\$7,500 property; \$0 crops (zone total, 2024 dollars)	0, 0	NWS zone NYZ054 (EASTERN RENSSELAER), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2011-08-28	Tropical Storm		\$0 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone NYZ053 (WESTERN RENSSELAER), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2011-06-01	Hail	2.75 in	property not reported; \$0 crops (2011 dollars)	0, 0	EAGLE BRIDGE		B1-c worst recorded: Hail
2008-08-11	Flash Flood		\$4,000,000 property; \$0 crops (2008 dollars)	0, 0	RENSSELAER to COUSE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2008-05-01	Frost/Freeze		\$0 property; \$30,800 crops (zone total, 2008 dollars)	0, 0	NWS zone NYZ053 (WESTERN RENSSELAER), zone-level		B1-c worst recorded: Frost/Freeze
2002-06-16	Hail	0.75 in	damage not reported	0, 75	EAST GREENBUSH		deaths or injuries recorded
2001-06-20	High Wind	speed not recorded	\$25,000 property; crops not reported (2001 dollars)	0, 11	BRUNSWICK		deaths or injuries recorded
2000-05-13	Lightning		\$70,000 property; crops not reported (2000 dollars)	0, 0	HOOSICK		B1-c worst recorded: Lightning
1999-07-06	Thunderstorm Wind	100 kt (115 mph), measurement type not recorded	\$500,000 property; crops not reported (1999 dollars)	0, 0	PITTSTOWN		B1-c worst recorded: Thunderstorm Wind
1989-10-14	Thunderstorm Wind	speed not recorded	damage not recorded (pre-1996 record)	1, 0	location not recorded		deaths or injuries recorded
1973-08-28	Tornado	F2, 2.3 mi path length (whole path, pre-1996), 83 yd wide	\$25,000 property; crops not recorded (1973 dollars)	0, 1	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,324 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.
Coastal Flooding	0	events per year at a location (modeled)	none modeled	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	NRI models no coastal flooding event-days here (modeled); Storm Events has a record in 1 of 30 years. The descriptor comes from Storm Events, which records events NRI's definition leaves out.
Cold Wave	2.51	event-days per year	about 2.51 days per year	Likely	Storm Events event-days in 17 of 30 years, 1996 to 2025 (56.7%)	47.6	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	0	event-days per year	none modeled	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	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 1 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	2.85	events per year	about 2.85 per year	Highly likely	FEMA annualized frequency (modeled)	108.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.97	event-days per year	about 2.97 days per year	Likely	Storm Events event-days in 17 of 30 years, 1996 to 2025 (56.7%)	50.7	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0608	events per year	about 1 in 16 years	Possible	FEMA annualized frequency (modeled)	20	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.

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>								
Ice Storm	0.841	event-days per year	about 0.841 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	57	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.29	event-days per year	about 2.29 days per year	Likely	Storm Events event-days in 22 of 30 years, 1996 to 2025 (73.3%)	64	1996 to 2023 (28 years)	see B1-f	
Landslide	0.804	events per year (modeled)	about 0.8 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	26.7	days per year with a strike	about 26.7 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.44	events per year	about 1.44 per year	Highly likely	FEMA annualized frequency (modeled)	55	1986 to 2023 (38 years)	countywide	
Tornado	0.153	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	0.000029	annual probability at a location	chance a given location in the county burns in a year: 0.0029%	Possible	Storm Events records in 2 of 30 years, 1996 to 2025 (6.67%)	not shown	modeled	see B1-f	
Winter Weather	16.9	event-days per year	about 16.9 days per year	Highly likely	Storm Events event-days in 30 of 30 years, 1996 to 2025 (100%)	320	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.

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	47	30	1.57
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	354	30	11.8
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	6	30	0.2
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	68	30	2.27
Tornado	EF0-1	1996 to 2025	2	30	0.0667
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	6 of 48	25.4	26.8	28.0	Very Low 6, Not Applicable 42
Coastal Flooding	0 of 48				No Rating 48
Cold Wave	48 of 48	20.2	32.7	45.1	Relatively Low 48
Drought	0 of 48				No Rating 48
Earthquake	48 of 48	7.7	30.6	50.8	Relatively Low 3, Very Low 45
Hail	48 of 48	59.5	83.0	89.9	Relatively High 4, Relatively Moderate 41, Relatively Low 3
Heat Wave	48 of 48	2.9	15.6	32.4	Relatively Low 20, Very Low 28
Hurricane	48 of 48	48.6	63.5	75.0	Relatively Low 46, Very Low 2
Ice Storm	48 of 48	9.3	51.4	71.9	Relatively Moderate 1, Relatively Low 40, Very Low 7
Inland Flooding	48 of 48	1.3	59.0	97.4	Very High 3, Relatively High 6, Relatively Moderate 22, Relatively Low 9, Very Low 8
Landslide	48 of 48	15.2	66.1	92.9	Relatively Low 16, Very Low 32
Lightning	48 of 48	20.2	59.2	78.5	Relatively High 1, Relatively Moderate 35, Relatively Low 11, Very Low 1
Strong Wind	48 of 48	24.7	63.8	76.9	Relatively Moderate 37, Relatively Low 11
Tornado	48 of 48	28.1	51.6	63.7	Relatively Moderate 21, Relatively Low 25, Very Low 2
Wildfire	46 of 48	19.3	47.0	65.6	Very Low 46, No Rating 2
Winter Weather	48 of 48	23.5	47.5	60.6	Relatively Moderate 23, Relatively Low 25

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.

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
Rensselaer County	County	Approved, expires 2031-02-18		\$22,640,678.15	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row. Includes \$19,509,943.94 for declarations not counted as hazard incidents (DR-1391-NY, DR-4480-NY, EM-3186-NY).
Castleton-on-Hudson village	Village	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 total; no approved plan	
East Nassau village	Village	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 0	\$23,854.93	5 total; 0 since its plan	
Hoosick Falls village	Village	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 1, SRL 1; any 4	\$338,215.55	24 total; no approved plan	
Nassau village	Village	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 1	\$39,970.09	19 total; 0 since its plan	Includes \$4,187.82 for declarations not counted as hazard incidents (DR-4480-NY).
Rensselaer city	City	Approved, expires 2031-02-18	FMA RL 1, SRL 0; any 8	\$499,220.81	16 total; 0 since its plan	Includes \$19,195.43 for declarations not counted as hazard incidents (DR-4480-NY).
Schaghticoke village	Village	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 0	\$9,708.89	30 total; 0 since its plan	
Troy city	City	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 6	\$5,251,574.82	33 total; no approved plan	Includes \$75,908.36 for declarations not counted as hazard incidents (DR-4480-NY).
Valley Falls village	Village	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$13,725.39	8 total; no approved plan	
Berlin town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$459,526.03	9 total; no approved plan	
Brunswick town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$1,252,678.32	13 total; no approved plan	
East Greenbush town	Town	Approved, expires 2031-02-18	FMA RL 1, SRL 0; any 1	\$1,036,746.45	42 total; 0 since its plan	Includes \$31,581.45 for declarations not counted as hazard incidents (DR-4480-NY).

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>	
Grafton town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$931,017.31	14 total; no approved plan	
Hoosick town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$240,993.72	22 total; no approved plan	
Nassau town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 4	\$499,154.13	19 total; no approved plan	
North Greenbush town	Town	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 1	\$548,380.85	1 total; 0 since its plan	Includes \$10,331.15 for declarations not counted as hazard incidents (DR-4480-NY).
Petersburgh town	Town	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 0	\$546,225.39	0 total; 0 since its plan	
Pittstown town	Town	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 1	\$14,291.38	19 total; 0 since its plan	
Poestenkill town	Town	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 1	\$650,852.68	14 total; 0 since its plan	
Sand Lake town	Town	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 2	\$421,984.07	9 total; 0 since its plan	
Schaghticoke town	Town	Approved, expires 2031-02-18	FMA RL 0, SRL 0; any 4	\$442,512.34	30 total; 0 since its plan	
Schodack town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$530,539.12	1 total; no approved plan	
Stephentown town	Town	Plan 110309 approved 2026-02-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$800,455.47	17 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 2026-02-19 <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	\$302					building exposure is 0 in NRI
Coastal Flooding	\$0	n/a	0	\$0	n/a	\$0					building exposure is 0 in NRI
Cold Wave	\$30,548,650,054	\$52,792,824	161,042	\$464	\$11,285	\$1,082,832	under 0.0001%				
Drought	n/a	\$0	n/a	n/a	\$0	n/a					agriculture exposure is 0 in NRI
Earthquake	\$53,122,238,055	n/a	161,130	\$476,919	n/a	\$91,334	0.000898%				
Hail	\$30,548,650,054	\$52,792,824	161,042	\$15,600	\$26,470	\$2,456,963	under 0.0001%				
Heat Wave	\$30,548,650,054	\$52,792,824	161,042	\$1	\$4,985	\$543,911	under 0.0001%				
Hurricane	\$30,544,306,595	\$52,791,418	161,012	\$1,676,275	\$84,102	\$87,434	0.00549%				
Ice Storm	\$30,547,693,974	n/a	161,029	\$215,962	n/a	\$23,737	0.000707%				
Inland Flooding	\$30,477,150,593	\$3,601,615	3,346	\$36,466,056	\$2,966	\$99,011	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	\$1,343,839,393	n/a	7,190	\$1,802	n/a	\$6,062	0.000134%				
Lightning	\$30,548,650,054	n/a	161,042	\$32,970	n/a	\$723,362	0.000108%				
Strong Wind	\$30,548,650,054	\$52,792,824	161,042	\$147,875	\$2,343	\$1,125,357	0.000484%	\$15,000	\$50,000		Storm Events damage since the plan includes 1 zone-level Strong Wind record (\$50,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.

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 2026-02-19 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Tornado	\$30,548,650,054	\$52,792,824	161,042	\$794,422	\$736	\$2,651,139	0.0026%				
Wildfire	\$7,867,961,318	\$16,582,085	42,594	\$12,279	\$4	\$1,696	0.000156%				
Winter Weather	\$30,548,650,054	\$52,792,824	161,042	\$40,241	\$7	\$74,198	0.000132%				

Totals since 2026-02-19 (Storm Events through 2026-06-30): 6 county-coded records, 1 with a damage value recorded (including \$0), \$15,000; 4 zone-level records, 1 with a damage value recorded (including \$0), \$50,000 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	161,042
Building value (total, not at risk)	\$30,548,650,054
Agriculture value (total, not at risk)	\$52,792,824
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$40,013,765
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)	\$8,967,339
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)	3	Severe repetitive loss, FMA definition (44 CFR 77.2)	1
Repetitive loss, NFIP insurance definition	35	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	3	1	35	1	35	0	12
of which: New York city (plan jurisdiction listed on the Bronx County and Kings County and New York County and Queens County and Richmond County page)	0	0	1	0	1	0	0
of which: Hoosick Falls village	1	1	4	1	4	0	0
of which: Nassau village	0	0	1	0	1	0	0
of which: Poestenkill town	0	0	1	0	1	0	0
of which: Troy city	0	0	6	0	6	0	3
of which: Rensselaer city	1	0	8	0	8	0	4
of which: Brunswick town	0	0	1	0	1	0	0
of which: East Greenbush town	1	0	1	0	1	0	1
of which: Nassau town	0	0	4	0	4	0	2
of which: North Greenbush town	0	0	1	0	1	0	1
of which: Pittstown town	0	0	1	0	1	0	0
of which: Sand Lake town	0	0	2	0	2	0	0
of which: Schaghticoke town	0	0	4	0	4	0	1
Statewide, no county in FEMA's file	0	0	19	0	19	0	3

1 of the county's repeat-flood properties belong to NFIP communities whose plan jurisdiction is not listed on this page (the community rows above name the page that lists it).

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>
Castleton-on-Hudson village	360673	0	0	0	0	0	0	0
East Nassau village	360257	0	0	0	0	0	0	0
Hoosick Falls village	360674	1	1	4	1	4	0	0
Nassau village	360675	0	0	1	0	1	0	0
Rensselaer city	361032	1	0	8	0	8	0	4
Schaghticoke village	361058	0	0	0	0	0	0	0
Troy city	360677	0	0	6	0	6	0	3
Valley Falls village	361469	0	0	0	0	0	0	0
Berlin town	360672	0	0	0	0	0	0	0
Brunswick town	361130	0	0	1	0	1	0	0
East Greenbush town	361133	1	0	1	0	1	0	1
Grafton town	361150	0	0	0	0	0	0	0
Hoosick town	361154	0	0	0	0	0	0	0
Nassau town	361155	0	0	4	0	4	0	2
North Greenbush town	361164	0	0	1	0	1	0	1
Petersburgh town	361165	0	0	0	0	0	0	0
Pittstown town	361166	0	0	1	0	1	0	0
Poestenkill town	360676	0	0	1	0	1	0	0
Sand Lake town	361167	0	0	2	0	2	0	0
Schaghticoke town	361168	0	0	4	0	4	0	1
Schodack town	361169	0	0	0	0	0	0	0
Stephentown town	361170	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	3	1	28	1	28	0	10
2 to 4 unit residential	0	0	2	0	2	0	0
other residential	0	0	1	0	1	0	0
non-residential	0	0	4	0	4	0	2
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 32 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_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

Reuse and citation: Hazard Plain text and tables are licensed under Creative Commons Attribution 4.0 International (CC BY 4.0, <https://creativecommons.org/licenses/by/4.0/>); credit Hazard Plain and the release. The underlying federal data are public domain; OpenFEMA data are also subject to the OpenFEMA terms and conditions.

Cite this: Hazard Plain (2026). Rensselaer County, NY: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 36083). Automated baseline. <https://hazardplain.org/ny/36083/> 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