

Dutchess County, NY

Risk-assessment baseline packet

County FIPS: 36027 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: Plan 109877 approved 2026-03-30, pending adoption here; not yet eligible. Plan: Dutchess County 2025 (FEMA plan 109877), pending adoption here, approved 2026-03-30 by FEMA; not yet adopted here.

Update: FEMA tracker shows a plan approvable pending adoption.

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$59,864,716 a year), Hurricane (\$10,158,183) and Cold Wave (\$3,196,442).

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; 36027 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:	Plan 109877 approved 2026-03-30, pending adoption here; not yet eligible	Plan:	Dutchess County 2025 (FEMA plan 109877), pending adoption here
Approved:	2026-03-30 by FEMA; not yet adopted here	Expires:	2031-03-29 once adopted
Update underway:	FEMA tracker shows a plan approvable pending adoption		

Not yet eligible: adopt the approved plan.

Not yet eligible: adopt the approved plan.

What changed since your last plan

Not available. Plan 109877 was approved by FEMA on 2026-03-30 but is not yet adopted here, so no since-plan counts are given.

Sources: 1, 2, 4, 6 (numbered list at the end)

Plan status for every jurisdiction listed in this county: 13 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
Dutchess County	County	Plan 109877 approved 2026-03-30, pending adoption here; not yet eligible	Dutchess County 2025 (FEMA plan 109877), pending adoption here	2026-03-30 by FEMA; not yet adopted here	2031-03-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Beacon city	City	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-04-15
Millbrook village	Village	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-04-15
Millerton village	Village	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		
Pawling village	Village	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-04-07
Red Hook village	Village	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-04-17
Dover town	Town	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-05-07
East Fishkill town	Town	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-04-01
Hyde Park town	Town	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-04-20
North East town	Town	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-04-17
Pleasant Valley town	Town	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-05-29
Poughkeepsie town	Town	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-05-04
Stanford town	Town	Approved, expires 2031-03-29	Dutchess County 2025 (FEMA plan 109877)	2026-03-30	2031-03-29	1,641		this jurisdiction approved 2026-04-17

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively High	\$59,077,020	\$21,649	\$766,047	\$59,864,716	102	
2	Hurricane	Relatively Moderate	Relatively High	\$9,636,890	\$203,001	\$318,292	\$10,158,183	1	
3	Cold Wave	Relatively Moderate	Relatively Moderate	\$753	\$28,130	\$3,167,559	\$3,196,442	69	Includes 28 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
4	Earthquake	Relatively Low	Relatively Low	\$2,485,946	n/a	\$529,680	\$3,015,627		Storm Events does not record earthquakes.
5	Strong Wind	Relatively High	Relatively High	\$979,913	\$1,454	\$1,404,741	\$2,386,109	639	Includes 52 High Wind and 68 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
6	Tornado	Relatively Low	Relatively Moderate	\$1,875,627	\$1,166	\$450,341	\$2,327,134	10	
7	Heat Wave	Relatively Low	Relatively Moderate	under \$1	\$7,200	\$1,542,909	\$1,550,109	86	
8	Lightning	Relatively High	Relatively High	\$75,900	n/a	\$1,174,286	\$1,250,186	15	
9	Hail	Relatively Low	Relatively Low	\$34,763	\$48,070	\$438,977	\$521,810	137	
10	Ice Storm	Relatively Moderate	Relatively Moderate	\$265,946	n/a	\$81,291	\$347,237	2	
11	Winter Weather	Relatively Moderate	Relatively Moderate	\$57,546	\$25	\$148,483	\$206,054	183	

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
12	Drought	Relatively Low	Relatively Low	n/a	\$114,544	n/a	\$114,544	8	
13	Landslide	Relatively Moderate	Relatively Low	\$72,796	n/a	\$11,960	\$84,756	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Wildfire	Very Low	Very Low	\$70,174	\$19	\$13,662	\$83,855	2	
15	Coastal Flooding	Relatively Low	Relatively Low	\$70,738	n/a	\$1,625	\$72,363	1	
16	Avalanche	Very Low	Very Low	under \$1	n/a	\$471	\$471	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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 landslide records (Storm Events records this hazard only in part).

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 1000 (Very Low, 37.6); tract 602.02 (Very Low, 36.2); tract 100 (Very Low, 35.7)
Earthquake	tract 1401.01 (Relatively Moderate, 77.9); tract 6100 (Relatively Low, 73.8); tract 3000 (Relatively Low, 73.2)
Hurricane	tract 2000.01 (Relatively Moderate, 86.0); tract 1700 (Relatively Moderate, 85.1); tract 1800.01 (Relatively Moderate, 84.5)
Landslide	tract 100 (Relatively Moderate, 97.5); tract 1700 (Relatively Moderate, 97.4); tract 2000.01 (Relatively Moderate, 97.2)
Tornado	tract 1401.01 (Relatively Low, 49.8); tract 1700 (Relatively Low, 48.5); tract 2000.01 (Relatively Low, 47.4)
Wildfire	tract 1700 (Relatively Low, 80.6); tract 2000.01 (Relatively Low, 79.0); tract 1500.03 (Relatively Low, 78.7)

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 1000 is Census Tract 1000). 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	41 records, 1996 to 2026 (41 zone-level)	1 day to 6 days (median 2 days); 30 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	28 records, 2002 to 2023 (28 zone-level)		Frost/Freeze, 2008-05-01, \$300,000 crop damage (2008 dollars); NWS zone NYZ065		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	8 records, 1999 to 2024 (8 zone-level)	30 days to 99 days (median 40.5 days); 4 with a recorded value	99 days (about 3.3 months), 2022-08-09 to 2022-11-15, a run of 4 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)	161 records, 1957 to 2026	0.75 in to 2.75 in (median 1 in); 161 with a recorded value	2.75 in hail, 2011-06-08	Hail, 2008-06-16, \$0 property; \$588,000 crops (2008 dollars)	Event records naming jurisdictions in the plan: Poughkeepsie town (6 records), Hyde Park town (5 records), Red Hook village (4 records), Beacon city (3 records), East Fishkill town (3 records), Pawling village (3 records), Millbrook village (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	86 records, 1998 to 2026 (86 zone-level)	1 day to 6 days (median 2 days); 52 with a recorded value	6 consecutive days, 2024-06-18 to 2024-06-23, 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 NYZ065		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)	2 records, 2008 to 2011 (2 zone-level)		No damage reported in 2 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
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	102 records, 1996 to 2025 (18 zone-level)		Flood, 2007-04-16, \$5,700,000 property; \$0 crops (2007 dollars)		Event records naming jurisdictions in the plan: Poughkeepsie town (5 records), Hyde Park town (4 records), Pawling village (2 records), Beacon city (1 record), Millbrook village (1 record), Millerton village (1 record), Red Hook village (1 record). Zone-level records (18) 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)	15 records, 1996 to 2019		Lightning, 2016-08-12, \$0 property; \$0 crops (2016 dollars), 2 direct deaths, 3 direct injuries	Lightning, 2003-06-29, \$75,000 property; crops not reported (2003 dollars)	Event records naming jurisdictions in the plan: Millbrook village (1 record), Pawling village (1 record), Poughkeepsie town (1 record), Red Hook village (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)	120 records, 1996 to 2026 (119 zone-level)	30 kt (35 mph) to 60 kt (69 mph) (median 44 kt (51 mph)); 101 with a recorded value	60 kt (69 mph) estimated gust, High Wind, 2006-02-17; same speed and measurement basis also recorded on 2003-10-15, 2004-12-01, 2005-09-29, 2005-10-16, 2006-01-18, 2006-02-17; NWS zone NYZ066	High Wind, 1999-09-16, \$400,000 property; crops not reported (zone total, 1999 dollars)	No event record names a jurisdiction in the plan. Zone-level records (119) apply countywide.	
Thunderstorm Wind	wind speed (kt and mph)	675 records, 1957 to 2026	40 kt (46 mph) to 126 kt (145 mph) (median 50 kt (58 mph)); 459 with a recorded value	126 kt (145 mph) measured, Thunderstorm Wind, 2000-05-18	Thunderstorm Wind, 2000-08-09, \$3,000,000 property; crops not reported (2000 dollars)	Event records naming jurisdictions in the plan: Poughkeepsie town (29 records), Hyde Park town (21 records), Pawling village (19 records), Red Hook village (15 records), East Fishkill town (10 records), Millbrook village (9 records), Millerton village (7 records), Beacon city (3 records), Pleasant Valley town (1 record).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	16 records, 1978 to 2022	F/EF0 to F/EF1 (median F/EF1); 14 with a recorded value	F1 tornado, 1992-07-31, 22.7 mi path length (whole path, pre-1996), 73 yd wide, \$2,500,000 property; crops not recorded (1992 dollars)		Event records naming jurisdictions in the plan: Pawling village (1 record), Poughkeepsie 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).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	2 records, 2002 to 2020 (2 zone-level)		Wildfire, 2020-03-09, \$116,000 property; \$0 crops (2020 dollars); NWS zone NYZ065		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	183 records, 1996 to 2026 (183 zone- level)		Winter Storm, 1997-03-31, \$750,000 property; crops not reported (1997 dollars); NWS zone NYZ065		Countywide (zone-level records).	

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: 27 declarations covering 19 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Plan 109877 was approved by FEMA on 2026-03-30 but is not yet adopted here, so no since-plan counts are given.

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
2023-07-22	2023-07-09	DR-4723-NY	Major disaster	Severe Storms and Flooding	Inland Flooding	\$7,875,360.36	within last 5 years	
2021-09-05	2021-09-01	DR-4615-NY	Major disaster	Remnants of Hurricane Ida	Hurricane	\$4,991,344.94		
2021-09-02	2021-09-01	EM-3572-NY	Emergency	Remnants of Hurricane Ida	Hurricane	no Public Assistance recorded		same incident as DR-4615
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	\$7,903,315.86		
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	\$1,678,088.68		
2012-10-28	2012-10-27	EM-3351-NY	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded		
2011-08-31	2011-08-26	DR-4020-NY	Major disaster	Hurricane Irene	Hurricane	\$4,172,292.60		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2011-02-18	2010-12-26	DR-1957-NY	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$1,060,631.78		
2008-12-18	2008-12-11	EM-3299-NY	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded		
2007-04-24	2007-04-14	DR-1692-NY	Major disaster	Severe Storms and Inland and Coastal Flooding	Coastal Flooding	\$3,001,000.80		
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	\$22,190.89		
2003-03-27	2003-02-17	EM-3184-NY	Emergency	Snow	Winter Weather	\$646,636.49		
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	Fires and Explosions	Non-natural, not counted	\$38,808.77		
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	\$618,266.88		
1999-09-19	1999-09-16	DR-1296-NY	Major disaster	Hurricane Floyd Major Disaster Declarations	Hurricane	PA not declared for this county		
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		
1973-07-20	1973-07-20	DR-401-NY	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1971-09-13	1971-09-13	DR-311-NY	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1965-08-18	1965-08-18	DR-204-NY	Major disaster	Water Shortage	Drought	no Public Assistance recorded		

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1963-08-23	1963-08-23	DR-158-NY	Major disaster	Heavy Rains & Flooding	Inland Flooding
1962-03-16	1962-03-16	DR-129-NY	Major disaster	Severe Storm, High Tides & Flooding	Inland Flooding (primary); also designated: Coastal Flooding
1956-03-29	1956-03-29	DR-52-NY	Major disaster	Flood	Inland Flooding
1955-08-22	1955-08-22	DR-45-NY	Major disaster	Hurricane & Floods	Hurricane (primary); also designated: Inland Flooding
1954-10-07	1954-10-07	DR-26-NY	Major disaster	Hurricanes	Hurricane (primary); also designated: Inland Flooding

FEMA recorded these with designated area Statewide and no county, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

1 Fire Management declaration (1995-08-25 to 1995-08-25) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance filed under this county for declarations that do not list it: 1 row, \$761.48

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-1589-NY	2005-04-19	Severe Storms and Flooding	Kauneonga Lake Fire District	\$761.48

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 records	In the 12 months before plan approval records	Last 5 years records	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	1			0	1		1996 to 2026-06-30	
Cold Wave	69			18	0		1996 to 2026-06-30	Includes 28 Frost/Freeze records.
Drought	8			6	1		1996 to 2026-06-30	
Earthquake	0			0	0			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	161			5	0		1955 to 2026-06-30	
Heat Wave	86			36	0		1996 to 2026-06-30	
Hurricane	1			0	5		1996 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
Ice Storm	2			0	0		1996 to 2026-06-30	
Inland Flooding	102			17	5		1996 to 2026-06-30	
Landslide	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	15			0	0		1996 to 2026-06-30	
Strong Wind	795			148	0		1955 to 2026-06-30	Includes 52 High Wind and 68 Strong Wind records.
Tornado	16			2	0		1950 to 2026-06-30	
Wildfire	2			0	0		1996 to 2026-06-30	
Winter Weather	183			35	7		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 NYZ066 (EASTERN DUTCHESS), zone-level	within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2024-06-26	Thunderstorm Wind	55 kt (63 mph) estimated gust	damage not reported	1, 0	MANCHESTER BRIDGE	within last 5 years	deaths or injuries recorded
2024-06-18	Heat		damage not reported	0, 0	NWS zone NYZ065 (WESTERN DUTCHESS), zone-level	within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2020-08-27	Thunderstorm Wind	50 kt (58 mph) estimated gust	damage not reported	1, 0	ARTHURSBURG		deaths or injuries recorded
2016-08-12	Lightning		\$0 property; \$0 crops (2016 dollars)	2, 3	SPACKENKILL		deaths or injuries recorded
2011-08-28	Tropical Storm		\$0 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone NYZ065 (WESTERN DUTCHESS), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2011-06-08	Hail	2.75 in	property not reported; \$0 crops (2011 dollars)	0, 0	RED HOOK		B1-c worst recorded: Hail
2008-05-01	Frost/Freeze		\$0 property; \$300,000 crops (zone total, 2008 dollars)	0, 0	NWS zone NYZ065 (WESTERN DUTCHESS), zone-level		B1-c worst recorded: Frost/Freeze
2007-04-16	Flood		\$5,700,000 property; \$0 crops (2007 dollars)	0, 0	HYDE PARK		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2006-02-17	High Wind	60 kt (69 mph) estimated gust	damage not reported	0, 0	NWS zone NYZ066 (EASTERN DUTCHESS), zone-level		B1-c worst recorded: High Wind and Strong Wind
2000-05-18	Thunderstorm Wind	126 kt (145 mph) measured	\$250,000 property; crops not reported (2000 dollars)	0, 0	POUGHKEEPSIE		B1-c worst recorded: Thunderstorm Wind
1992-07-31	Tornado	F1, 22.7 mi path length (whole path, pre-1996), 73 yd wide	\$2,500,000 property; crops not recorded (1992 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,441 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	3.72	events per year at a location (modeled)	about 3.7 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	1.77	event-days per year	about 1.77 days per year	Likely	Storm Events event-days in 16 of 30 years, 1996 to 2025 (53.3%)	33.6	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	0.968	event-days per year	about 0.968 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	84	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00153	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.153%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.87	events per year	about 2.87 per year	Highly likely	FEMA annualized frequency (modeled)	108.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	5.86	event-days per year	about 5.86 days per year	Likely	Storm Events event-days in 18 of 30 years, 1996 to 2025 (60%)	94.5	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0962	events per year	about 1 in 10 years	Possible	FEMA annualized frequency (modeled)	30	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	1.52	event-days per year	about 1.52 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	101	1946-12-31 to 2014-02-12 (67 years)	countywide	

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
Inland Flooding	1.93	event-days per year	about 1.93 days per year	Likely	Storm Events event-days in 20 of 30 years, 1996 to 2025 (66.7%)	54	1996 to 2023 (28 years)	see B1-f	
Landslide	1.24	events per year (modeled)	about 1.24 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	29.1	days per year with a strike	about 29.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	3.53	events per year	about 3.53 per year	Highly likely	FEMA annualized frequency (modeled)	134	1986 to 2023 (38 years)	countywide	
Tornado	0.253	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.000318	annual probability at a location	chance a given location in the county burns in a year: 0.0318%	Possible	Storm Events records in 2 of 30 years, 1996 to 2025 (6.67%)	not shown	modeled	see B1-f	
Winter Weather	14.4	event-days per year	about 14.4 days per year	Highly likely	Storm Events event-days in 30 of 30 years, 1996 to 2025 (100%)	274	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	73	30	2.43
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	419	30	14
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	12	30	0.4
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	79	30	2.63
Tornado	EF0-1	1996 to 2025	9	30	0.3
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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	9 of 82	32.3	34.8	37.6	Very Low 9, Not Applicable 73
Coastal Flooding	17 of 82	71.1	79.9	90.5	Relatively Moderate 1, Relatively Low 12, Very Low 4, No Rating 65
Cold Wave	82 of 82	19.7	40.0	60.5	Relatively Moderate 26, Relatively Low 56
Drought	35 of 82	67.6	72.7	94.1	Relatively Moderate 2, Relatively Low 5, Very Low 28, No Rating 47
Earthquake	82 of 82	5.2	50.0	77.9	Relatively Moderate 1, Relatively Low 61, Very Low 20
Hail	82 of 82	14.6	44.9	68.4	Relatively Low 66, Very Low 16
Heat Wave	82 of 82	3.2	23.7	51.7	Relatively Low 58, Very Low 24
Hurricane	82 of 82	39.9	78.1	86.0	Relatively Moderate 33, Relatively Low 48, Very Low 1
Ice Storm	82 of 82	1.8	36.8	68.5	Relatively Low 49, Very Low 33
Inland Flooding	82 of 82	0.3	52.8	91.3	Relatively High 12, Relatively Moderate 37, Relatively Low 27, Very Low 6
Landslide	82 of 82	21.6	81.0	97.5	Relatively Moderate 11, Relatively Low 29, Very Low 42
Lightning	82 of 82	10.1	54.5	81.7	Relatively High 3, Relatively Moderate 49, Relatively Low 29, Very Low 1
Strong Wind	82 of 82	13.9	60.7	82.3	Relatively Moderate 57, Relatively Low 24, Very Low 1
Tornado	82 of 82	2.7	34.0	49.8	Relatively Low 66, Very Low 16
Wildfire	73 of 82	19.6	61.5	80.6	Relatively Low 24, Very Low 49, No Rating 9
Winter Weather	82 of 82	18.5	46.0	65.0	Relatively Moderate 35, Relatively Low 47

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.

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
Dutchess County	County	Plan 109877 approved 2026-03-30, pending adoption here; not yet eligible		\$4,212,362.55	0 total; no approved plan	No NFIP community ID on this jurisdiction's plan row. Includes \$2,584,661.41 for declarations not counted as hazard incidents (DR-1391-NY, DR-4480-NY, EM-3186-NY).
Beacon city	City	Approved, expires 2031-03-29	FMA RL 0, SRL 0; any 3	\$446,330.85	7 total; 0 since its plan	Includes \$62,314.96 for declarations not counted as hazard incidents (DR-4480-NY).
Millbrook village	Village	Approved, expires 2031-03-29	FMA RL 0, SRL 0; any 0	\$71,546.03	12 total; 0 since its plan	Includes \$15,976.79 for declarations not counted as hazard incidents (DR-4480-NY).
Millerton village	Village	Approved, expires 2031-03-29	FMA RL 0, SRL 0; any 0	\$10,230.25	8 total; 0 since its plan	
Pawling village	Village	Approved, expires 2031-03-29	FMA RL 0, SRL 1; any 4	\$133,820.56	26 total; 0 since its plan	
Red Hook village	Village	Approved, expires 2031-03-29	FMA RL 0, SRL 0; any 0	\$45,144.25	21 total; 1 since its plan	
Dover town	Town	Approved, expires 2031-03-29	FMA RL 0, SRL 1; any 7	\$1,385,864.51	0 total; 0 since its plan	Includes \$24,488.21 for declarations not counted as hazard incidents (DR-4480-NY).
East Fishkill town	Town	Approved, expires 2031-03-29	FMA RL 1, SRL 6; any 24	\$4,995,519.83	13 total; 0 since its plan	
Hyde Park town	Town	Approved, expires 2031-03-29	FMA RL 0, SRL 0; any 3	\$400,510.74	30 total; 1 since its plan	Includes \$17,346.05 for declarations not counted as hazard incidents (DR-4480-NY).
North East town	Town	Approved, expires 2031-03-29	FMA RL 0, SRL 0; any 0	\$89,180.90	0 total; 0 since its plan	
Pleasant Valley town	Town	Approved, expires 2031-03-29	FMA RL 2, SRL 3; any 10	\$400,472.69	1 total; 0 since its plan	
Poughkeepsie town	Town	Approved, expires 2031-03-29	FMA RL 0, SRL 1; any 6	\$1,040,011.79	42 total; 0 since its plan	
Stanford town	Town	Approved, expires 2031-03-29	FMA RL 0, SRL 0; any 1	\$277,652.43	0 total; 0 since its plan	

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

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

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

Local data needed

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

Plan 109877 was approved by FEMA on 2026-03-30 but is not yet adopted here, so no since-plan counts are given.

- 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 plan <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	\$29,264	n/a	under 1	under \$1	n/a	\$471	under 0.0001%				
Coastal Flooding	\$3,560,830,176	n/a	14,173	\$70,738	n/a	\$1,625	0.00199%				
Cold Wave	\$69,887,763,089	\$56,518,448	295,788	\$753	\$28,130	\$3,167,559	under 0.0001%				
Drought	n/a	\$20,265,885	n/a	n/a	\$114,544	n/a	0.565% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$118,874,896,206	n/a	295,911	\$2,485,946	n/a	\$529,680	0.00209%				
Hail	\$69,887,763,089	\$56,518,448	295,788	\$34,763	\$48,070	\$438,977	under 0.0001%				
Heat Wave	\$69,887,763,089	\$56,518,448	295,788	under \$1	\$7,200	\$1,542,909	under 0.0001%				
Hurricane	\$69,887,176,168	\$56,518,448	295,786	\$9,636,890	\$203,001	\$318,292	0.0138%				
Ice Storm	\$69,887,755,883	n/a	295,788	\$265,946	n/a	\$81,291	0.000381%				
Inland Flooding	\$69,835,674,038	\$2,873,499	11,290	\$59,077,020	\$21,649	\$766,047	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	\$2,897,275,886	n/a	11,946	\$72,796	n/a	\$11,960	0.00251%				
Lightning	\$69,887,763,089	n/a	295,788	\$75,900	n/a	\$1,174,286	0.000109%				
Strong Wind	\$69,887,763,089	\$56,518,448	295,788	\$979,913	\$1,454	\$1,404,741	0.0014%				

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 plan <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	\$69,887,763,089	\$56,518,448	295,788	\$1,875,627	\$1,166	\$450,341	0.00268%				
Wildfire	\$2,684,160,364	\$8,765,623	26,343	\$70,174	\$19	\$13,662	0.00261%				
Winter Weather	\$69,887,763,089	\$56,518,448	295,788	\$57,546	\$25	\$148,483	under 0.0001%				

Totals since the plan: not available. Plan 109877 was approved by FEMA on 2026-03-30 but is not yet adopted here, so no since-plan counts are given.

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	295,788
Building value (total, not at risk)	\$69,887,763,089
Agriculture value (total, not at risk)	\$56,518,448
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$75,129,271
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)	\$10,050,322
Social vulnerability rating	Relatively Low
Community resilience rating	Relatively 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)	19
Repetitive loss, NFIP insurance definition	100	Severe repetitive loss, NFIP insurance definition	18

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
County total	3	19	100	18	101	1	34
of which: Beacon city	0	0	3	0	3	0	0
of which: Fishkill village (community ID not in plan data)	0	2	7	2	7	0	2
of which: Pleasant Valley town	2	3	10	3	10	0	3
of which: Poughkeepsie city (community ID not in plan data)	0	0	6	0	6	0	2
of which: Wappingers Falls village (community ID not in plan data)	0	0	1	0	1	0	0
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: Lagrange town (community ID not in plan data)	0	0	9	0	9	0	4
of which: Poughkeepsie town	0	1	6	1	6	0	5
of which: Red Hook town (community ID not in plan data)	0	1	3	1	3	0	1
of which: Rhinebeck town (community ID not in plan data)	0	0	1	0	1	0	0
of which: Stanford town	0	0	1	0	1	0	0
of which: Clinton town (community ID not in plan data)	0	1	2	0	3	1	2
of which: Dover town	0	1	7	1	7	0	0
of which: East Fishkill town	1	6	24	6	24	0	8
of which: Fishkill town (community ID not in plan data)	0	3	5	3	5	0	1
of which: Hyde Park town	0	0	3	0	3	0	2
of which: Milan town (community ID not in plan data)	0	0	1	0	1	0	0
of which: Pawling town (community ID not in plan data)	0	0	2	0	2	0	0
of which: Wappinger town (community ID not in plan data)	0	0	3	0	3	0	1
of which: Pawling village	0	1	4	1	4	0	3

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>
of which: Rhinebeck village (community ID not in plan data)	0	0	1	0	1	0	0
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>
Beacon city	360217	0	0	3	0	3	0	0
Millbrook village	360219	0	0	0	0	0	0	0
Millerton village	360220	0	0	0	0	0	0	0
Pawling village	361517	0	1	4	1	4	0	3
Red Hook village	361614	0	0	0	0	0	0	0
Dover town	361335	0	1	7	1	7	0	0
East Fishkill town	361336	1	6	24	6	24	0	8
Hyde Park town	361338	0	0	3	0	3	0	2
North East town	361340	0	0	0	0	0	0	0
Pleasant Valley town	360221	2	3	10	3	10	0	3
Poughkeepsie town	361142	0	1	6	1	6	0	5
Stanford town	361145	0	0	1	0	1	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	16	84	16	84	0	28
2 to 4 unit residential	0	0	4	0	4	0	2
other residential	0	0	1	0	1	0	0
non-residential	0	3	11	2	12	1	4
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 97 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

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2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Dutchess County, NY: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 36027). Automated baseline. <https://hazardplain.org/ny/36027/> 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