

Queens County, NY

Risk-assessment baseline packet

County FIPS: 36081 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 2029-05-27. Plan: New York City 2024 (FEMA plan 109731), approved 2024-05-28.

Since the plan was approved on 2024-05-28: no new hazard declaration and 40 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 (\$185,261,695 a year), Heat Wave (\$57,633,258) and Cold Wave (\$45,755,069).

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; 36081 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 2024-05-28), page 2
4. B1-a: hazard identification, page 3
5. B1-b: hazard location, page 4
6. B1-c: hazard extent, page 5
7. B1-d: previous occurrences, page 7
8. B1-e: probability of future events, page 11
9. B1-f: hazards that vary across jurisdictions, page 14
10. B2-a and B2-b: vulnerability and potential impacts, page 15
11. B2-a: vulnerability (county context), page 17
12. B2-c: repetitive loss properties, page 17
13. Sources, what the plan adds, disclaimer and citation, page 18

Plan clock

Status:Approved, expires 2029-05-27

Plan:New York City 2024 (FEMA plan 109731)

Approved:2024-05-28

Days to expiry:970

Plan clock from the New York City government plan (New York city); the five boroughs share it. FEMA plan data has no county-level row for this borough.

What changed since your last plan (approved 2024-05-28)

New federal declarations:

none

Repetitive loss now:

FMA RL 34, SRL 110 (44 CFR 77.2); any definition: 1,494

Storm Events records since approval:

40 records (data through 2026-06-30)

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

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry
New York city	City	Approved, expires 2029-05-27	New York City 2024 (FEMA plan 109731)	2024-05-28	2029-05-27	970

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

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	Very High	Relatively High	\$171,563,425	\$23	\$13,698,247	\$185,261,695	173	
2	Heat Wave	Very High	Relatively High	\$144	\$29	\$57,633,084	\$57,633,258	15	
3	Cold Wave	Very High	Very High	\$1,168	\$2	\$45,753,899	\$45,755,069	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
4	Earthquake	Relatively High	Relatively High	\$22,546,039	n/a	\$12,172,750	\$34,718,789		Storm Events does not record earthquakes.
5	Hurricane	Relatively High	Relatively High	\$23,311,116	\$846	\$1,278,484	\$24,590,446	2	
6	Strong Wind	Very High	Very High	\$495,947	\$2	\$9,303,365	\$9,799,314	202	Includes 36 High Wind and 36 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
7	Coastal Flooding	Very High	Relatively High	\$7,577,965	n/a	\$1,897,920	\$9,475,886	25	
8	Tornado	Relatively High	Relatively Moderate	\$2,519,675	\$1	\$2,127,806	\$4,647,482	4	
9	Winter Weather	Very High	Very High	\$152,219	under \$1	\$1,489,874	\$1,642,093	52	
10	Hail	Relatively High	Relatively Moderate	\$1,532,031	\$26	\$57,851	\$1,589,908	24	
11	Lightning	Relatively High	Relatively High	\$12,910	n/a	\$1,344,665	\$1,357,575	9	
12	Ice Storm	Relatively High	Relatively High	\$215,046	n/a	\$446,639	\$661,685	1	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
13	Wildfire	Very Low	Very Low	\$2,606	under \$1	\$673	\$3,279	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Landslide	Very Low	Very Low	\$908	n/a	\$1	\$909	0	Declared 1 time; no Storm Events record of this type.
15	Drought	Very Low	Very Low	n/a	\$112	n/a	\$112	0	Declared 1 time; no Storm Events record of this type.
	Tsunami	Insufficient Data	Insufficient Data	n/a	n/a	n/a	n/a	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 wildfire, landslide and tsunami records (Storm Events records these hazards only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: avalanche 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>
Earthquake	tract 1267 (Relatively Moderate, 85.6); tract 809 (Relatively Moderate, 84.1); tract 283 (Relatively Moderate, 82.8)
Hurricane	tract 1267 (Relatively Moderate, 87.3); tract 809 (Relatively Moderate, 86.2); tract 179.02 (Relatively Moderate, 82.9)
Landslide	tract 1529.01 (Relatively Low, 82.5); tract 1385.01 (Very Low, 80.9); tract 1483 (Very Low, 77.8)
Tornado	tract 1267 (Relatively Low, 42.8); tract 809 (Relatively Low, 41.0); tract 455 (Relatively Low, 35.4)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 694 (Very Low, 61.8); tract 645 (Very Low, 59.9); tract 1203 (Very Low, 55.1)

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 1267 is Census Tract 1267). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	25 records, 1997 to 2024 (24 zone-level)		No damage reported in 25 records.		No event record names a jurisdiction in the plan. Zone-level records (24) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	0					
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	0					Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	28 records, 1963 to 2021	0.75 in to 2.75 in (median 0.94 in); 28 with a recorded value	2.75 in hail, 2011-08-01		No event record names a jurisdiction in the plan.	
Excessive Heat, Heat	heat index (in event narratives)	15 records, 2011 to 2019 (15 zone-level)	1 day to 4 days (median 1 day); 9 with a recorded value	4 consecutive days, 2016-08-11 to 2016-08-14, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	2 records, 2011 to 2020 (2 zone-level)		Strongest recorded: Tropical Storm record, 2020-08-04, \$0 property; \$0 crops (2020 dollars), 1 direct death (reported for the zone); NWS zone NYZ178		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)	1 record, 2011 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	173 records, 1996 to 2025		Flash Flood, 2021-09-01, \$60,000,000 property; \$0 crops (2021 dollars)		No event record names a jurisdiction in the plan.	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					

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)	9 records, 2004 to 2020		Lightning, 2016-07-25, \$20,000 property; crops not reported (2016 dollars)		No event record names a jurisdiction in the plan.	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	72 records, 2011 to 2026 (72 zone-level)	27 kt (31 mph) to 74 kt (85 mph) (median 46 kt (53 mph)); 72 with a recorded value	74 kt (85 mph) estimated gust, High Wind, 2012-10-29, 3 direct deaths (reported for the zone); NWS zone NYZ178		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	154 records, 1958 to 2026	50 kt (58 mph) to 109 kt (125 mph) (median 53 kt (61 mph)); 141 with a recorded value	109 kt (125 mph) estimated gust, Thunderstorm Wind, 2010-09-16	Thunderstorm Wind, 2010-06-24, \$100,000 property; crops not reported (2010 dollars)	No event record names a jurisdiction in the plan.	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	5 records, 1985 to 2018	F/EF0 to F/EF1 (median F/EF0); 5 with a recorded value	F1 tornado, 1985-10-05, 1.5 mi path length (whole path, pre-1996), 50 yd wide, damage not recorded (pre-1996 record), 6 direct injuries	Tornado, 2010-09-16, \$17,200,000 property; crops not reported (2010 dollars)	No event record names a jurisdiction in the plan.	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).
Tsunami	none (count and damage only)	0					
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	52 records, 1996 to 2026 (51 zone-level)		No damage reported in 52 records.		No event record names a jurisdiction in the plan. Zone-level records (51) apply countywide.	

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

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 25 declarations covering 15 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2021-09-05	2021-09-01	DR-4615-NY	Major disaster	Remnants of Hurricane Ida	Hurricane	\$22,011,536.83	
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	
2020-10-02	2020-08-04	DR-4567-NY	Major disaster	Tropical Storm Isaias	Hurricane	no Public Assistance recorded	
2020-03-20	2020-01-20	DR-4480-NY	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$150,083,309.51	
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
2012-10-30	2012-10-27	DR-4085-NY	Major disaster	Hurricane Sandy	Hurricane	\$11,695,991.79	
2012-10-28	2012-10-27	EM-3351-NY	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded	same incident as DR-4085
2011-08-31	2011-08-26	DR-4020-NY	Major disaster	Hurricane Irene	Hurricane	\$957,930.04	
2011-08-26	2011-08-25	EM-3328-NY	Emergency	Hurricane Irene	Hurricane	no Public Assistance recorded	same incident as DR-4020
2011-02-18	2010-12-26	DR-1957-NY	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$18,569.04	
2010-10-14	2010-09-16	DR-1943-NY	Major disaster	Severe Storms, Tornadoes, and Straight-Line Winds	Tornado (primary); also designated: Strong Wind	\$8,767,608.98	
2007-08-31	2007-08-08	DR-1724-NY	Major disaster	Severe Storms, Flooding, and Tornado	Inland Flooding; Tornado	PA not declared for this county	
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	\$47,128.65	
2003-03-27	2003-02-17	EM-3184-NY	Emergency	Snow	Winter Weather	no Public Assistance recorded	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Notes
						<i>federal share obligated, nominal dollars</i>	
2001-09-11	2001-09-11	DR-1391-NY	Major disaster	Fires and Explosions	Non-natural, not counted	\$340,564,656.35	
2000-10-11	2000-05-22	EM-3155-NY	Emergency	West Nile Virus	Non-natural, not counted	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	
1984-04-17	1984-03-28	DR-702-NY	Major disaster	Coastal Storms & Flooding	Coastal Flooding	no Public Assistance recorded	
1975-10-02	1975-10-02	DR-487-NY	Major disaster	Storms, Rains, Landslides & Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded	
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.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Coastal Flooding	25	0	3	3	1	0	1996 to 2026-06-30	
Cold Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Drought	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)

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
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	28	0	0	1	0	0	1955 to 2026-06-30	
Heat Wave	15	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	2	0	0	0	5	0	1996 to 2026-06-30	
Ice Storm	1	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	173	10	8	24	3	0	1996 to 2026-06-30	
Landslide	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	9	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	226	23	4	29	1	0	1955 to 2026-06-30	Includes 36 High Wind and 36 Strong Wind records.
Tornado	5	0	0	0	2	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	52	7	2	14	4	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	Why listed
2021-09-01	Flash Flood		\$60,000,000 property; \$0 crops (2021 dollars)	0, 0	LONG IS CITY to WOODSIDE	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2021-09-01	Flash Flood		\$0 property; \$0 crops (2021 dollars)	3, 0	AUBURNDALE	deaths or injuries recorded
2021-09-01	Flash Flood		\$0 property; \$0 crops (2021 dollars)	3, 0	WOODSIDE	deaths or injuries recorded
2020-08-04	Tropical Storm		\$0 property; \$0 crops (zone total, 2020 dollars)	1, 0	NWS zone NYZ178 (SOUTHERN QUEENS), zone-level	B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2016-08-11	Excessive Heat		\$0 property; \$0 crops (zone total, 2016 dollars)	0, 0	NWS zone NYZ178 (SOUTHERN QUEENS), zone-level	B1-c worst recorded: Excessive Heat, Heat
2016-07-25	Lightning		\$20,000 property; crops not reported (2016 dollars)	0, 0	ROSEDALE	B1-c worst recorded: Lightning
2012-10-29	Coastal Flood		\$0 property; \$0 crops (zone total, 2012 dollars)	7, 0	NWS zone NYZ178 (SOUTHERN QUEENS), zone-level	deaths or injuries recorded
2012-10-29	High Wind	74 kt (85 mph) estimated gust	\$1,000,000 property; \$0 crops (zone total, 2012 dollars)	3, 0	NWS zone NYZ178 (SOUTHERN QUEENS), zone-level	B1-c worst recorded: High Wind and Strong Wind
2011-08-01	Hail	2.75 in	\$3,000 property; crops not reported (2011 dollars)	0, 0	BAYSIDE	B1-c worst recorded: Hail
2010-09-16	Thunderstorm Wind	109 kt (125 mph) estimated gust	property not reported; \$0 crops (2010 dollars)	0, 0	RICHMOND HILL	B1-c worst recorded: Thunderstorm Wind
2010-06-24	Thunderstorm Wind	70 kt (81 mph) estimated gust	\$100,000 property; crops not reported (2010 dollars)	0, 0	LITTLE NECK	B1-c most damaging: Thunderstorm Wind
1985-10-05	Tornado	F1, 1.5 mi path length (whole path, pre-1996), 50 yd wide	damage not recorded (pre-1996 record)	0, 6	location not recorded	B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (536 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Coastal Flooding	4.36	events per year at a location (modeled)	about 4.4 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	0.523	event-days per year	about 0.523 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	6.36	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events cold wave record, 1996 to 2025.
Drought	0.887	event-days per year	about 0.887 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	49	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.00198	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.198%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	1.89	events per year	about 1.89 per year	Highly likely	FEMA annualized frequency (modeled)	82.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	10.6	event-days per year	about 10.6 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	112	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.155	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	48	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.744	event-days per year	about 0.744 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	37	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	3.29	event-days per year	about 3.29 days per year	Highly likely	Storm Events event-days in 29 of 30 years, 1996 to 2025 (96.7%)	92	1996 to 2023 (28 years)	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Landslide	0.0207	events per year (modeled)	about 1 in 48 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	28.7	days per year with a strike	about 28.7 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	5.39	events per year	about 5.39 per year	Highly likely	FEMA annualized frequency (modeled)	148	1986 to 2023 (38 years)	countywide	
Tornado	0.057	events per year	about 1 in 18 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)			Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Wildfire	0.0000875	annual probability at a location	chance a given location in the county burns in a year: 0.00875%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	9.47	event-days per year	about 9.47 days per year	Likely	Storm Events event-days in 17 of 30 years, 1996 to 2025 (56.7%)	116	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	10	30	0.333
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	108	30	3.6
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	8	30	0.267
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	1	30	0.0333
Tornado	EF0-1	1996 to 2025	4	30	0.133
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions (<https://resilience.climate.gov/>).

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Coastal Flooding	123 of 724	69.5	84.1	99.7	Very High 4, Relatively High 14, Relatively Moderate 36, Relatively Low 30, Very Low 39, No Rating 601
Cold Wave	723 of 724	15.4	59.4	92.3	Relatively High 67, Relatively Moderate 486, Relatively Low 129, Very Low 41, No Rating 1
Drought	3 of 724	67.6	69.5	73.9	Very Low 3, No Rating 721
Earthquake	723 of 724	0.4	61.4	85.6	Relatively Moderate 43, Relatively Low 599, Very Low 81, No Rating 1
Hail	723 of 724	0.8	32.9	70.8	Relatively Moderate 1, Relatively Low 231, Very Low 491, No Rating 1
Heat Wave	723 of 724	1.3	77.1	96.6	Very High 1, Relatively High 221, Relatively Moderate 390, Relatively Low 68, Very Low 43, No Rating 1
Hurricane	723 of 724	18.3	64.8	87.3	Relatively Moderate 18, Relatively Low 677, Very Low 28, No Rating 1
Ice Storm	723 of 724	0.1	13.8	47.7	Relatively Low 33, Very Low 690, No Rating 1
Inland Flooding	723 of 724	0.2	16.7	96.9	Very High 2, Relatively High 14, Relatively Moderate 87, Relatively Low 272, Very Low 348, No Rating 1
Landslide	474 of 724	8.7	30.6	82.5	Relatively Low 1, Very Low 473, No Rating 250
Lightning	721 of 724	0.1	14.0	51.1	Relatively Moderate 1, Relatively Low 191, Very Low 529, No Rating 3
Strong Wind	723 of 724	0.2	48.1	87.0	Relatively High 1, Relatively Moderate 275, Relatively Low 404, Very Low 43, No Rating 1
Tornado	723 of 724	0.3	18.5	42.8	Relatively Low 45, Very Low 678, No Rating 1
Tsunami	0 of 724				Insufficient Data 724
Wildfire	52 of 724	18.6	28.2	61.8	Very Low 52, No Rating 672
Winter Weather	723 of 724	10.7	50.3	86.2	Relatively High 2, Relatively Moderate 415, Relatively Low 273, Very Low 33, No Rating 1

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

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
New York city	City	Approved, expires 2029-05-27	FMA RL 56, SRL 206; any 4,511	no Public Assistance recorded	0 total; 0 since its plan	Whole community, including the part in Bronx County, Dutchess County, Kings County, Nassau County, New York County, Rensselaer County, Richmond County, Rockland County, Suffolk County and Westchester County, plus 7 properties with no county in FEMA's file; in-county portion (county table): FMA RL 34, FMA SRL 110, NFIP RL 1,482, NFIP SRL 90, any category 1,494.

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 2024-05-28 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Coastal Flooding	\$19,315,852,275	n/a	129,448	\$7,577,965	n/a	\$1,897,920	0.0392%				
Cold Wave	\$296,090,190,488	\$121,048	2,404,346	\$1,168	\$2	\$45,753,899	under 0.0001%				
Drought	n/a	\$50,317	n/a	n/a	\$112	n/a	0.223% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$497,383,770,994	n/a	2,405,464	\$22,546,039	n/a	\$12,172,750	0.00453%				

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 2024-05-28 <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
Hail	\$296,095,331,679	\$121,048	2,404,353	\$1,532,031	\$26	\$57,851	0.000517%				
Heat Wave	\$296,095,331,679	\$121,048	2,404,353	\$144	\$29	\$57,633,084	under 0.0001%				
Hurricane	\$296,010,477,799	\$121,048	2,403,646	\$23,311,116	\$846	\$1,278,484	0.00788%				
Ice Storm	\$295,530,328,323	n/a	2,399,661	\$215,046	n/a	\$446,639	under 0.0001%				
Inland Flooding	\$295,741,179,244	\$848	72,181	\$171,563,425	\$23	\$13,698,247	n/a (see note)	\$0			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$1,057,704,804	n/a	7,130	\$908	n/a	\$1	under 0.0001%				
Lightning	\$296,095,331,679	n/a	2,404,353	\$12,910	n/a	\$1,344,665	under 0.0001%				
Strong Wind	\$296,095,331,679	\$121,048	2,404,353	\$495,947	\$2	\$9,303,365	0.000167%	\$59,000	\$0		
Tornado	\$296,095,331,679	\$121,048	2,404,353	\$2,519,675	\$1	\$2,127,806	0.000851%				
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$596,449,553	\$49,090	6,312	\$2,606	under \$1	\$673	0.000437%				
Winter Weather	\$296,095,331,679	\$121,048	2,404,353	\$152,219	under \$1	\$1,489,874	under 0.0001%		\$0		

Totals since 2024-05-28 (Storm Events through 2026-06-30): 27 county-coded records, 27 with a damage value recorded (including \$0), \$59,000; 13 zone-level records, 12 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column does not add up to the total; the unit total counts each declaration once.

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

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

County context

Source: 5

Measure	Value
Population	2,404,353
Building value (total, not at risk)	\$296,095,331,679
Agriculture value (total, not at risk)	\$121,048
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$229,932,242
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)	\$147,205,257
Social vulnerability rating	Very High
Community resilience rating	Very Low
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)	34	Severe repetitive loss, FMA definition (44 CFR 77.2)	110
Repetitive loss, NFIP insurance definition	1,482	Severe repetitive loss, NFIP insurance definition	90

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	34	110	1,482	90	1,494	5	909
of which: New York city	34	110	1,482	90	1,494	5	909
Statewide, no county in FEMA's file	0	0	19	0	19	0	3

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

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties	Note
New York city	360497	56	206	4,483	168	4,511	6	1,692	Whole community, including the part in Bronx County, Dutchess County, Kings County, Nassau County, New York County, Rensselaer County, Richmond County, Rockland County, Suffolk County and Westchester County, plus 7 properties with no county in FEMA's file; in-county portion (county table): FMA RL 34, FMA SRL 110, NFIP RL 1,482, NFIP SRL 90, any category 1,494.

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
single-family residential	33	81	1,012	64	1,024	5	640
2 to 4 unit residential	1	19	389	16	389	0	236
other residential	0	2	25	2	25	0	18
non-residential	0	8	56	8	56	0	15
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 3 properties are FMA repetitive loss but not NFIP repetitive loss, and 1,451 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

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

What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

Reuse, citation and corrections

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). Queens County, NY: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 36081). Automated baseline. <https://hazardplain.org/ny/36081/> 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