

Hudson County, NJ

Risk-assessment baseline packet

Unit **County area 34017** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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A starting point for the plan's risk assessment (FEMA Local Mitigation Plan Review Tool, Element B). It does not replace local data or FEMA review. Section headings say which FEMA review item each table supports; whether an item is satisfied is decided by the plan and its reviewers.

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Plan clock

Status	Approved, expires 2030-08-06	Plan	Hudson County 2025 (FEMA plan 109911)
Approved	2025-08-07	Expires	2030-08-06
As of	2026-09-28	Days	1,408 days to expiry

What changed since your last plan (approved 2025-08-07)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	11 (data through 2026-06-30)
Repetitive loss now	FMA RL 1, SRL 53 (44 CFR 77.2); any definition: 573	Repeat-flood change	First release: no prior release to compare.

SOURCES: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API); FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API); NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>; FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

Plan status for every jurisdiction listed in this county: 18 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock**Plan status for every jurisdiction listed in this county**

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Hudson County	County	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-10-02
Bayonne city	City	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-10-02
East Newark borough	Borough	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-10-10
Guttenberg town	Town	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-09-10
Harrison town	Town	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-09-17
Hoboken city	City	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-09-11
Jersey City city	City	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-10-15
Kearny town	Town	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-09-29
Secaucus town	Town	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-09-10
Union City city	City	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		
West New York town	Town	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-12-23
North Bergen township	Township	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-08-18
Weehawken township	Township	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2026-01-15
Jersey City Municipal Utilities Authority	Water/Sewer Authority	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-11-25
Kearny Municipal Utilities Authority	Water/Sewer Authority	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-10-01

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
North Bergen Municipal Utilities Authority	Water/Sewer Authority	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-08-18
North Hudson Sewerage Authority	Water/Sewer Authority	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-09-29
Secaucus Municipal Utilities Authority	Water/Sewer Authority	Approved, expires 2030-08-06	Hudson County 2025 (FEMA plan 109911)	2025-08-07	2030-08-06	1,408		member approved 2025-09-17

SOURCE

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B1-a: hazards

Hazards NRI does not cover: check locally

- 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)

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$126,250,635	\$44	\$2,003,901	\$128,254,580	140		
2	Heat Wave	Relatively High	Relatively High	\$39	\$229	\$16,732,407	\$16,732,676	6		
3	Earthquake	Relatively Moderate	Relatively Moderate	\$7,543,317		\$3,342,553	\$10,885,870			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
4	Coastal Flooding	Very High	Relatively High	\$7,543,972		\$760,186	\$8,304,157	16		
5	Hurricane	Relatively Moderate	Relatively Moderate	\$7,003,501	\$9,258	\$381,635	\$7,394,394	4		
6	Cold Wave	Relatively High	Relatively High	\$342	\$6	\$7,095,665	\$7,096,013	4		
7	Tornado	Relatively High	Relatively Moderate	\$1,920,757	\$10	\$3,424,673	\$5,345,441	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
8	Strong Wind	Relatively High	Relatively High	\$293,180	\$48	\$2,864,261	\$3,157,489	120		Includes 37 High Wind records and 15 Strong Wind records, event types the NRI definition of this hazard leaves out.
9	Hail	Relatively Moderate	Relatively Low	\$475,348	\$286	\$17,518	\$493,153	15		
10	Winter Weather	Relatively High	Relatively High	\$46,171	under \$1	\$438,923	\$485,094	79		
11	Lightning	Relatively Moderate	Relatively Moderate	\$4,150		\$445,424	\$449,574	5		
12	Ice Storm	Relatively Moderate	Relatively Moderate	\$66,376		\$134,293	\$200,668	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Drought	Very Low	Very Low		\$9,858		\$9,858	11		
14	Wildfire	Very Low	Very Low	\$913	\$1	\$96	\$1,011	1		
15	Landslide	Very Low	Very Low	\$127		\$9	\$136	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Insufficient Data	Insufficient Data					0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
 NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Check your state hazard mitigation plan's hazard list for this county; explain any hazard you drop.

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated rated of all tracts
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 183
Coastal 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.	98 of 183
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	183 of 183
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1 of 183
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	183 of 183
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	183 of 183
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	183 of 183
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	183 of 183
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	183 of 183
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.	183 of 183
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	177 of 183
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	183 of 183
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	183 of 183
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	183 of 183
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 183
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 183
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	19 of 183
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	183 of 183

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B1-c: extent

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

Hazard	Scale	Records count, years	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	16, 1996 to 2024 (15 zone-level)		No damage reported in 16 records.		No event record names a member place. Zone-level records (15) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	4, 2000 to 2004 (4 zone-level)	1 day to 2 days (median 2 days); 4 with a recorded value	2 consecutive days, 2004-01-15 to 2004-01-16, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	0					Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	11, 2001 to 2002 (11 zone-level)	123 days to 214 days (median 168.5 days); 2 with a recorded value	214 days (7 months), 2002-04-01 to 2002-10-31, a run of 7 consecutive Storm Events drought records, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	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					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	19, 1985 to 2012	0.75 in to 1.75 in (median 0.88 in); 19 with a recorded value	1.75 in hail, 2008-06-22; same size also recorded on 1998-05-20, 1998-09-07		Event records naming member places: Weehawken township (4 records), Bayonne city (3 records), East Newark borough (3 records), Jersey City city (3 records), Hoboken city (2 records), Harrison town (1 record), Union City city (1 record).	
Excessive Heat, Heat	heat index (narratives)	6, 1999 to 2013 (6 zone-level)	1 day to 4 days (median 3 days); 6 with a recorded value	4 consecutive days, 2001-08-07 to 2001-08-10, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	4, 2003 to 2020 (4 zone-level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Tropical Storm record, 2020-08-04, \$0 property; \$0 crops, reported for the zone (2020 dollars), 1 direct injury (reported for the zone); NWS zone NJZ006 (HUDSON), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	0					Ice thickness: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	140, 1996 to 2025 (4 zone-level)		Flood, 2007-04-15, \$2,700,000 property; \$0 crops (2007 dollars)		Event records naming member places: Harrison town (21 records), East Newark borough (19 records), Hoboken city (19 records), Union City city (14 records), Kearny town (13 records), Jersey City city (9 records), Secaucus town (7 records), Bayonne city (4 records), Weehawken township (3 records), North Bergen township (2 records). Zone-level records (4) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5, 1999 to 2009		Lightning, 2001-08-12, \$10,000 property; crops not reported (2001 dollars)		Event records naming member places: East Newark borough (2 records), Bayonne city (1 record), Hoboken city (1 record), Jersey City city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	52, 1996 to 2025 (52 zone-level)	24 kt (28 mph) to 68 kt (78 mph) (median 50 kt (58 mph)); 44 with a recorded value	68 kt (78 mph) estimated gust, High Wind, 2010-03-13; NWS zone NJZ006 (HUDSON), zone-level: may include parts of neighboring counties	High Wind, 2012-10-29, \$900,000 property; \$0 crops, reported for the zone (2012 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	80, 1956 to 2026	43 kt (49 mph) to 90 kt (104 mph) (median 52 kt (60 mph)); 69 with a recorded value	90 kt (104 mph) estimated gust, Thunderstorm Wind, 2008-06-10		Event records naming member places: Jersey City city (15 records), East Newark borough (9 records), Harrison town (9 records), Kearny town (7 records), Bayonne city (6 records), Secaucus town (3 records), Hoboken city (2 records), Union City city (2 records), North Bergen township (1 record), Weehawken township (1 record).	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	1, 1976 to 1976	F/EF1; 1 with a recorded value	F1 tornado, 1976-07-07, 3 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 50 yd wide, \$250,000 property; crops not recorded (1976 dollars)		No event record names a member place.	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	1, 2001 to 2001		No damage reported in 1 records.		Event records naming member places: North Bergen township (1 record).	Acres burned: in event narratives only; local data required.
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	79, 1996 to 2026 (79 zone- level)		No damage reported in 79 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Supports B1-d: previous occurrences

Declaration rows

24

Counted incidents

15

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>		Flags	Notes
2021-09-05	2021-09-01	DR-4614-NJ	Major disaster	REMNANTS OF HURRICANE IDA	Hurricane	\$38,771,948.34			
2021-09-02	2021-09-01	EM-3573-NJ	Emergency	REMNANTS OF HURRICANE IDA	Hurricane	none found			same incident as DR-4614
2020-03-25	2020-01-20	DR-4488-NJ	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$66,607,261.54			
2020-03-13	2020-01-20	EM-3451-NJ	Emergency	COVID-19	Non-natural, not counted	none found			same incident as DR-4488
2016-03-14	2016-01-22	DR-4264-NJ	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$2,479,280.37			
2012-10-30	2012-10-26	DR-4086-NJ	Major disaster	HURRICANE SANDY	Hurricane	\$85,511,419.50			
2012-10-28	2012-10-26	EM-3354-NJ	Emergency	HURRICANE SANDY	Hurricane	none found			same incident as DR-4086
2011-08-31	2011-08-27	DR-4021-NJ	Major disaster	HURRICANE IRENE	Hurricane	\$2,215,789.34			
2011-08-27	2011-08-26	EM-3332-NJ	Emergency	HURRICANE IRENE	Hurricane	none found			same incident as DR-4021
2011-02-04	2010-12-26	DR-1954-NJ	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$1,681,886.05			
2007-04-26	2007-04-14	DR-1694-NJ	Major disaster	SEVERE STORMS AND INLAND AND COASTAL FLOODING	Coastal Flooding	\$494,222.29			
2005-09-19	2005-08-29	EM-3257-NJ	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found			
2003-09-23	2003-08-14	EM-3188-NJ	Emergency	POWER OUTAGE	Non-natural, not counted	\$140,577.25			
2003-03-20	2003-02-16	EM-3181-NJ	Emergency	SNOW	Winter Weather	\$1,495,679.01			
2001-09-19	2001-09-11	EM-3169-NJ	Emergency	FIRES AND EXPLOSIONS	Non-natural, not counted	\$6,100,211.39			
2000-11-01	2000-05-30	EM-3156-NJ	Emergency	WEST NILE VIRUS	Non-natural, not counted	none found			
1999-09-17	1999-09-16	EM-3148-NJ	Emergency	HURRICANE FLOYD EMERGENCY DECLARATIONS	Hurricane	\$531,417.29			
1996-11-19	1996-10-18	DR-1145-NJ	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county			
1996-01-13	1996-01-07	DR-1088-NJ	Major disaster	BLIZZARD OF 96 (SEVERE SNOW STORM)	Winter Weather	none found			
1993-03-17	1993-03-13	EM-3106-NJ	Emergency	SEVERE BLIZZARD	Winter Weather	none found			
1992-12-18	1992-12-10	DR-973-NJ	Major disaster	COASTAL STORM, HIGH TIDES, HEAVY RAIN, & FLOODING	Coastal Flooding	none found			
1980-10-19	1980-10-19	EM-3083-NJ	Emergency	WATER SHORTAGE	Drought	none found			

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1971-09-04	1971-09-04	DR-310-NJ	Major disaster	HEAVY RAINS & FLOODING	Inland Flooding	none found		
1965-08-18	1965-08-18	DR-205-NJ	Major disaster	WATER SHORTAGE	Drought	none found		

School districts and special districts in this county: \$45,432,382.58 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan members in this county. They are not shown as member blocks, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county); do not add this line to the county total.

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.

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

SOURCES

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
1962-03-09	1962-03-09	DR-124-NJ	Major disaster	SEVERE STORM, HIGH TIDES & FLOODING	Inland Flooding (primary); also designated: Coastal Flooding		
1955-08-20	1955-08-20	DR-41-NJ	Major disaster	HURRICANE & FLOODS	Hurricane (primary); also designated: Inland Flooding		

FEMA recorded these with designated area Statewide and no county. Listed on every county page in the state; not counted with county rows.

SOURCE

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance filed under this county for declarations that do not list it: 1 row, \$11,028.75

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-1295-NJ	1999-09-18	HURRICANE FLOYD MAJOR DISASTER DECLARATIONS	Morris (County) / Lake Hudsonia Dam (Water Authority)	\$11,028.75

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.

SOURCES

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance not placed in a county in this state: 1 row, \$23,724.37

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated	Why not placed
				<i>federal share obligated, nominal dollars</i>	
4021	2011-08-31	SOUTH PLAINFIELD PUBLIC LIBRARY	Monroe County	\$23,724.37	county field is a county of another state and the applicant name does not identify a place in the declaring state

FEMA's Public Assistance summaries file these applicants under a county field that is not a county of this state (an Alaska school area, the former Valdez-Cordova Census Area, or another state's county), and the applicant name does not identify one place here. They are listed for the whole state and are not in any county total. Check whether any of them worked in your county.

SOURCEFEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)**Previous occurrences by hazard, with explicit no-event rows**

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	16	0	0	1	2	0	1996 to 2026-06-30	
Cold Wave	4	0	0	0	0	0	1996 to 2026-06-30	
Drought	11	0	0	0	2	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	19	0	0	0	0	0	1955 to 2026-06-30	
Heat Wave	6	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	4	0	0	0	4	0	1996 to 2026-06-30	
Ice Storm	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Inland Flooding	140	1	5	11	2	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	5	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	132	6	4	18	0	0	1955 to 2026-06-30	Includes 37 High Wind records and 15 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	1	0	0	0	0	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
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	1	0	0	0	0	0	1996 to 2026-06-30	
Winter Weather	79	4	3	13	5	0	1996 to 2026-06-30	

SOURCESNOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2021-09-01	Flash Flood		\$0 property; \$0 crops (2021 dollars)	1, 0	KEARNY		deaths or injuries recorded
2020-08-04	Tropical Storm		\$0 property; \$0 crops, reported for the zone (2020 dollars)	0, 1	NWS zone NJZ006 (HUDSON), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2010-03-13	High Wind	68 kt (78 mph) estimated gust	\$0 property; \$0 crops, reported for the zone (2010 dollars)	0, 0	NWS zone NJZ006 (HUDSON), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2008-06-22	Hail	1.75 in	\$0 property; \$0 crops (2008 dollars)	0, 0	BAYONNE		B1-c worst recorded: Hail
2008-06-10	Thunderstorm Wind	90 kt (104 mph) estimated gust	\$50,000 property; \$0 crops (2008 dollars)	0, 0	HARRISON		B1-c worst recorded: Thunderstorm Wind
2008-06-10	Thunderstorm Wind	61 kt (70 mph) estimated gust	\$3,000 property; \$0 crops (2008 dollars)	1, 1	EAST NEWARK		deaths or injuries recorded
2007-04-15	Flood		\$2,700,000 property; \$0 crops (2007 dollars)	0, 0	EAST NEWARK		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2004-01-15	Cold/Wind Chill		damage not reported	0, 0	NWS zone NJZ006 (HUDSON), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2001-08-12	Lightning		\$10,000 property; crops not reported (2001 dollars)	0, 0	HOBOKEN		B1-c worst recorded: Lightning
2001-08-07	Heat		damage not reported	0, 0	NWS zone NJZ006 (HUDSON), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
1999-07-04	Heat		damage not reported	3, 0	NWS zone NJZ006 (HUDSON), zone-level: may include parts of neighboring counties		deaths or injuries recorded
1976-07-07	Tornado	F1, 3 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 50 yd wide	\$250,000 property; crops not recorded (1976 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (418 rows).

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
 FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

State-declared emergencies are not in federal data. Add them from your state emergency management agency.

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

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		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding	3.76	events per year at a location (modeled)	about 3.8 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	0.485	event-days per year	about 0.485 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	8.66	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	2.81	event-days per year	about 2.81 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	77	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 2.81 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 2 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Earthquake	0.00204	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.204%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	1.9	events per year	about 1.9 per year	Highly likely	FEMA annualized frequency (modeled)	85.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	9.32	event-days per year	about 9.32 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	140	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 9.32 heat wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 5 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.

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
Hurricane	0.154	events per year	about 1 in 6 years	Likely	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 counted separately in B1-d and need not match.
Ice Storm	0.744	event-days per year	about 0.744 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	50	1946-12-31 to 2014-02-12 (67 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Inland Flooding	3.04	event-days per year	about 3.04 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	85	1996 to 2023 (28 years)	see B1-f	
Landslide	0.0189	events per year (modeled)	about 1 in 53 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	32	days per year with a strike	about 32 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	5.41	events per year	about 5.41 per year	Highly likely	FEMA annualized frequency (modeled)	206	1986 to 2023 (38 years)	countywide	
Tornado	0.0196	events per year	about 1 in 51 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 Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.0000431	annual probability at a location	chance a given location in the county burns in a year: 0.00431%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	Descriptor from Storm Events, not NRI: the NRI value is the chance at a location in the county, not how often the hazard affects the county.
Winter Weather	9.17	event-days per year	about 9.17 days per year	Highly likely	event-days in 28 of 30 years, 1996 to 2025 (93.3%)	162	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the

number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado, hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county, which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Descriptor scale used in this packet (defined per unit)

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

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	4	30	0.133
Hail	2.00 in+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	62	30	2.07
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	2	30	0.0667
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	2	30	0.0667
Tornado	EF0-1	1996 to 2025	0	30	0
Tornado	EF2-3	1996 to 2025	0	30	0

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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.

SOURCE

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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.

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 183				Not Applicable 183	
Coastal Flooding	98 of 183	68.0	86.0	99.9	Very High 4, Relatively High 5, Relatively Moderate 27, Relatively Low 45, Very Low 17, No Rating 85	
Cold Wave	183 of 183	15.8	46.5	69.9	Relatively Moderate 86, Relatively Low 95, Very Low 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	1 of 183	89.5	89.5	89.5	Relatively Low 1, No Rating 182	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	183 of 183	16.4	63.4	87.4	Relatively Moderate 11, Relatively Low 166, Very Low 6	
Hail	183 of 183	17.1	34.8	70.4	Relatively Moderate 1, Relatively Low 62, Very Low 120	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	183 of 183	1.8	79.5	93.6	Relatively High 64, Relatively Moderate 106, Relatively Low 11, Very Low 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	183 of 183	52.3	66.2	86.9	Relatively Moderate 6, Relatively Low 177	
Ice Storm	183 of 183	3.2	16.2	47.6	Relatively Low 5, Very Low 178	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Inland Flooding	183 of 183	2.3	50.8	99.4	Very High 8, Relatively High 24, Relatively Moderate 69, Relatively Low 63, Very Low 19	
Landslide	177 of 183	8.6	19.7	74.3	Very Low 177, No Rating 6	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Lightning	183 of 183	0.3	17.1	34.8	Relatively Low 63, Very Low 120	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	183 of 183	11.0	53.9	78.3	Relatively Moderate 89, Relatively Low 92, Very Low 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	183 of 183	20.1	38.0	63.0	Relatively Moderate 3, Relatively Low 163, Very Low 17	
Tsunami	0 of 183				Insufficient Data 183	
Volcanic Activity	0 of 183				Not Applicable 183	
Wildfire	19 of 183	18.5	24.2	53.8	Very Low 19, No Rating 164	
Winter Weather	183 of 183	19.0	53.2	75.5	Relatively Moderate 128, Relatively Low 55	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat- flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Hudson County	County	Approved, expires 2030-08-06		\$16,919,666.75	0; 0	No NFIP community ID on this member's plan row. Includes \$6,698,989.08 for declarations not counted as hazard incidents (DR-4488-NJ, EM-3169-NJ, EM-3188-NJ).
Bayonne city	City	Approved, expires 2030-08-06	FMA RL 0, SRL 0; any 16	\$9,083,836.73	14; 0	Includes \$6,489,446.94 for declarations not counted as hazard incidents (DR-4488-NJ).
East Newark borough	Borough	Approved, expires 2030-08-06	FMA RL 0, SRL 0; any 0	\$42,878.72	33; 0	Includes \$15,971.57 for declarations not counted as hazard incidents (DR-4488-NJ).
Guttenberg town	Town	Approved, expires 2030-08-06	FMA RL 0, SRL 0; any 0	\$144,519.20	0; 0	Includes \$5,076.50 for declarations not counted as hazard incidents (EM-3188-NJ).
Harrison town	Town	Approved, expires 2030-08-06	FMA RL 0, SRL 0; any 4	\$122,958.62	31; 1	
Hoboken city	City	Approved, expires 2030-08-06	FMA RL 0, SRL 23; any 284	\$6,315,098.39	24; 0	Includes \$848,510.51 for declarations not counted as hazard incidents (DR-4488-NJ, EM-3188-NJ).
Jersey City city	City	Approved, expires 2030-08-06	FMA RL 1, SRL 21; any 226	\$57,410,230.79	28; 1	Includes \$43,832,045.35 for declarations not counted as hazard incidents (DR-4488-NJ, EM-3188-NJ).

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Kearny town	Town	Approved, expires 2030-08-06	FMA RL 0, SRL 3; any 13	\$4,388,138.14	20; 0	Includes \$2,903,792.10 for declarations not counted as hazard incidents (DR-4488-NJ, EM-3188-NJ).
Secaucus town	Town	Approved, expires 2030-08-06	FMA RL 0, SRL 0; any 7	\$2,927,285.93	10; 1	
Union City city	City	Approved, expires 2030-08-06	FMA RL 0, SRL 0; any 0	\$499,081.14	17; 0	
West New York town	Town	Approved, expires 2030-08-06	FMA RL 0, SRL 0; any 1	\$3,248,621.32	0; 0	Includes \$2,008,773.71 for declarations not counted as hazard incidents (DR-4488-NJ, EM-3188-NJ).
North Bergen township	Township	Approved, expires 2030-08-06	FMA RL 0, SRL 6; any 17	\$1,478,336.16	4; 0	Includes \$6,010.89 for declarations not counted as hazard incidents (EM-3188-NJ).
Weehawken township	Township	Approved, expires 2030-08-06	FMA RL 0, SRL 0; any 4	\$5,493,972.23	8; 0	Includes \$2,402,389.04 for declarations not counted as hazard incidents (DR-4488-NJ, EM-3188-NJ).

Member 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 member row, while the county table counts only its part in this county.

School districts and special districts get a plan clock row only.

SOURCES

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Supports B2-a and B2-b: assets and impacts

Local data required

County-level starter. The plan must describe impacts for each participant and its own assets.

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

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-08-07 <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											Not Applicable in NRI for this county

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-08-07 <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	\$22,521,414,692		134,782	\$7,543,972		\$760,186	0.0335%				
Cold Wave	\$91,413,511,529	\$1,345,522	723,485	\$342	\$6	\$7,095,665	under 0.0001%				
Drought		\$1,334,059			\$9,858		0.739% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$161,491,073,661		724,854	\$7,543,317		\$3,342,553	0.00467%				
Hail	\$91,413,511,529	\$1,345,522	723,485	\$475,348	\$286	\$17,518	0.00052%				
Heat Wave	\$91,413,511,529	\$1,345,522	723,485	\$39	\$229	\$16,732,407	under 0.0001%				
Hurricane	\$91,328,332,181	\$1,345,522	722,580	\$7,003,501	\$9,258	\$381,635	0.00767%				
Ice Storm	\$91,217,889,236		721,515	\$66,376		\$134,293	under 0.0001%				
Inland Flooding	\$91,194,553,338	\$1,911	114,289	\$126,250,635	\$44	\$2,003,901	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. EAL as % of exposure: n/a.
Landslide	\$1,338,760,842		11,326	\$127		\$9	under 0.0001%				
Lightning	\$91,413,511,529		723,485	\$4,150		\$445,424	under 0.0001%				
Strong Wind	\$91,413,511,529	\$1,345,522	723,485	\$293,180	\$48	\$2,864,261	0.000321%	\$5,000	\$0		
Tornado	\$91,413,511,529	\$1,345,522	723,485	\$1,920,757	\$10	\$3,424,673	0.0021%				
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$362,861,066	\$837,807	3,214	\$913	\$1	\$96	0.000252%				
Winter Weather	\$91,413,511,529	\$1,345,522	723,485	\$46,171	under \$1	\$438,923	under 0.0001%		\$0		

Totals since 2025-08-07 (Storm Events through 2026-06-30): 5 county-coded records, 5 with a damage value recorded (including \$0), \$5,000; 6 zone-level records, 5 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance on counted declarations none found (0 declarations, 0 with PA).

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

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 must not be added up; the unit total counts each declaration once.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

Measure	Value
Population	723,485
Building value (total, not at risk)	\$91,413,511,529
Agriculture value (total, not at risk)	\$1,345,522
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$151,168,569
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)	\$37,641,545
Social vulnerability rating	Very High
Community resilience rating	Relatively Moderate
NRI version	December 2025

FEMA's all-hazard expected annual loss total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	53
Repetitive loss, NFIP insurance definition	573	Severe repetitive loss, NFIP insurance definition	53

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties: county and state-level rows

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	1	53	573	53	573	0	316
BAYONNE, CITY OF	0	0	16	0	16	0	7
HARRISON, TOWN OF	0	0	4	0	4	0	3
HOBOKEN, CITY OF	0	23	284	23	284	0	187
JERSEY CITY, CITY OF	1	21	226	21	226	0	108
KEARNY, TOWN OF	0	3	13	3	13	0	4
NORTH BERGEN, TOWNSHIP OF	0	6	17	6	17	0	4
SECAUCUS, TOWN OF	0	0	7	0	7	0	1
WEEHAWKEN, TOWNSHIP OF	0	0	4	0	4	0	2
WEST NEW YORK, TOWN OF	0	0	1	0	1	0	0
Unknown (community ID Unknown in FEMA data)	0	0	1	0	1	0	0
State level, not in this county: county not reported	0	1	5	0	6	1	0

SOURCESFEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)**Repeat-flood properties by plan member (NFIP community)**

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Bayonne city	340218	0	0	16	0	16	0	7	
East Newark borough	340219	0	0	0	0	0	0	0	
Guttenberg town	340220	0	0	0	0	0	0	0	
Harrison town	340221	0	0	4	0	4	0	3	
Hoboken city	340222	0	23	284	23	284	0	187	
Jersey City city	340223	1	21	226	21	226	0	108	
Kearny town	340224	0	3	13	3	13	0	4	
Secaucus town	340226	0	0	7	0	7	0	1	
Union City city	340058	0	0	0	0	0	0	0	
West New York town	340229	0	0	1	0	1	0	0	
North Bergen township	340225	0	6	17	6	17	0	4	
Weehawken township	340228	0	0	4	0	4	0	2	

Per-member types: XLSX sheet 'B2-c Members'.

Member 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 member row, while the county table counts only its part in this county.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

County repeat-flood properties by occupancy group

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	1	8	119	8	119	0	65
2 to 4 unit residential	0	16	198	16	198	0	87
other residential	0	17	201	17	201	0	141
non-residential	0	12	55	12	55	0	23
not reported	0	0	0	0	0	0	0

Institutional properties cannot be separated in this data: FEMA's occupancy groups have no institutional class, so they fall in non-residential or other residential in the table by occupancy group.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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; OpenFEMA's fmaRI field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRI) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

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

Counts may differ from your state NFIP coordinator's list, which is the source the Handbook names.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 572 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Every table above lists its own sources. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <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 2026-09-28, 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 2026-09-28, <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 2026-09-28, <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 2026-09-28, 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_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/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

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Cite this: Hazard Plain (2026). Hudson County, NJ: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 34017). Preview: automated baseline. 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: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_NJ_34017. Preview: automated baseline.