

South Central Connecticut Planning Region, CT

Risk-assessment baseline packet

Planning region FIPS: 09170 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: No county-level plan row in FEMA data.

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$107,624,958 a year), Hurricane (\$37,381,242) and Coastal Flooding (\$9,161,407).

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; 09170 is this area.

D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).

F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.

kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.

CFR: Code of Federal Regulations.

A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).

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

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Plan clock

No county-level plan row in FEMA data

What changed since your last plan

Not available. Connecticut planning regions have no county-level plan in FEMA data; see each town's plan dates in the region.

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

Plan status for every jurisdiction listed in this planning region: 18 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this planning region" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this planning region

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Notes
Meriden city	City	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-05-08
Milford city	City	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	
New Haven city	City	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-09-26
West Haven city	City	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	
Bethany town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	
Branford town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-05-08
East Haven town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-07-18
Guilford town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	
Hamden town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-05-08
Madison town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-09-26
North Branford town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-05-08
North Haven town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	
Orange town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	
Wallingford town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-05-08
Woodbridge town	Town	Approved, expires 2028-04-03	2023 SCRCOG Hazard Mitigation Plan Update January 2023 (FEMA plan 108953)	2023-04-04	2028-04-03	551	this jurisdiction approved 2023-05-08
Gateway Community	College/University	Expired on 2022-06-01	Connecticut State Colleges and Universities (FEMA plan 102570)	2017-06-02	2022-06-01	-1,582	
Naugatuck Valley Community	College/University	Expired on 2022-06-01	Connecticut State Colleges and Universities (FEMA plan 102570)	2017-06-02	2022-06-01	-1,582	
Southern Connecticut State	College/University	Expired on 2022-06-01	Connecticut State Colleges and Universities (FEMA plan 102570)	2017-06-02	2022-06-01	-1,582	

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$106,765,536	\$17,650	\$841,772	\$107,624,958	165	
2	Hurricane	Relatively High	Relatively High	\$35,508,344	\$742,278	\$1,130,620	\$37,381,242	3	
3	Coastal Flooding	Relatively High	Relatively High	\$8,921,616	n/a	\$239,791	\$9,161,407	23	
4	Earthquake	Relatively Moderate	Relatively Moderate	\$5,157,271	n/a	\$1,423,441	\$6,580,712		Storm Events does not record earthquakes.
5	Tornado	Relatively Moderate	Relatively Moderate	\$2,632,818	\$1,864	\$837,585	\$3,472,268	10	
6	Ice Storm	Very High	Very High	\$1,820,767	n/a	\$209,829	\$2,030,596	5	
7	Heat Wave	Relatively Moderate	Relatively Moderate	\$3	\$11,966	\$2,005,272	\$2,017,241	13	
8	Cold Wave	Relatively Moderate	Relatively Moderate	\$437	\$10,226	\$1,986,972	\$1,997,634	4	
9	Strong Wind	Relatively High	Relatively Moderate	\$584,051	\$2,475	\$950,617	\$1,537,144	370	Includes 41 High Wind and 33 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Lightning	Relatively High	Relatively High	\$48,588	n/a	\$1,298,823	\$1,347,411	32	
11	Winter Weather	Relatively High	Relatively High	\$73,499	\$40	\$360,190	\$433,729	135	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
12	Hail	Relatively Low	Relatively Low	\$39,973	\$43,892	\$71,134	\$154,999	52	
13	Wildfire	Very Low	Very Low	\$23,360	\$17	\$4,130	\$27,506	0	Declared 1 time; no Storm Events record of this type.
14	Drought	Very Low	Very Low	n/a	\$9,328	n/a	\$9,328	3	
15	Landslide	Relatively Low	Very Low	\$4,456	n/a	\$790	\$5,246	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 3615 (Relatively Moderate, 83.9); tract 1403 (Relatively Moderate, 82.3); tract 1672.02 (Relatively Moderate, 78.8)
Hurricane	tract 1754 (Relatively High, 94.7); tract 1413.01 (Relatively High, 92.1); tract 1847 (Relatively High, 91.6)
Landslide	tract 1611 (Relatively Low, 90.0); tract 1659 (Relatively Low, 89.0); tract 1602 (Relatively Low, 88.4)
Tornado	tract 1754 (Relatively Moderate, 56.8); tract 1413.01 (Relatively Low, 50.5); tract 1547 (Relatively Low, 48.2)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 1611 (Relatively Low, 73.7); tract 1602 (Relatively Low, 71.5); tract 1942.01 (Relatively Low, 71.3)

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 3615 is Census Tract 3615). 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)	23 records, 1996 to 2024 (22 zone-level)		No damage reported in 23 records.		Event records naming jurisdictions in the plan: Milford city (1 record). Zone-level records (22) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	4 records, 2000 to 2015 (4 zone-level)	1 day to 2 days (median 2 days); 4 with a recorded value	2 consecutive days, 2015-02-15 to 2015-02-16, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	3 records, 2002 (3 zone-level)	76 days; 1 with a recorded value	76 days (about 2.5 months), 2002-04-01 to 2002-06-15, a run of 3 consecutive Storm Events drought records, zone-level		Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	66 records, 1957 to 2024	0.75 in to 2 in (median 1 in); 65 with a recorded value	2 in hail, 2012-07-01	Hail, 2012-07-01, \$5,000 property; crops not reported (2012 dollars)	Event records naming jurisdictions in the plan: Meriden city (4 records), Wallingford town (3 records), North Branford town (2 records), West Haven city (2 records), Bethany town (1 record), Guilford town (1 record), Hamden town (1 record), Milford city (1 record), New Haven city (1 record), North Haven town (1 record); and 1 more jurisdiction (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	13 records, 1999 to 2019 (13 zone-level)	1 day to 3 days (median 3 days); 9 with a recorded value	3 consecutive days, 2019-07-19 to 2019-07-21, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	3 records, 2008 to 2020 (3 zone-level)		Strongest recorded: Tropical Storm record, 2020-08-04, \$10,000,000 property; \$0 crops (2020 dollars), 1 direct death (reported for the zone); NWS zone CTZ006		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.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Ice Storm	Sperry-Piltz ice scale (local data)	5 records, 1998 to 2025 (5 zone-level)		Ice Storm, 2011-02-01, \$2,100,000 property; \$0 crops (2011 dollars); NWS zone CTZ010		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	165 records, 1996 to 2025 (8 zone-level)		Flash Flood, 1996-04-16, \$1,500,000 property; crops not reported (1996 dollars)		Event records naming jurisdictions in the plan: New Haven city (15 records), Wallingford town (12 records), Meriden city (6 records), Milford city (6 records), Woodbridge town (6 records), Hamden town (3 records), West Haven city (3 records), Guilford town (2 records), Bethany town (1 record), Branford town (1 record); and 2 more jurisdictions (see the Excel file). Zone-level records (8) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	32 records, 1997 to 2025		Lightning, 2008-06-08, damage not reported, 1 direct death, 4 direct injuries	Lightning, 1998-08-26, \$90,000 property; crops not reported (1998 dollars)	Event records naming jurisdictions in the plan: Milford city (3 records), Hamden town (2 records), Meriden city (2 records), North Haven town (2 records), Bethany town (1 record), Guilford town (1 record), Madison town (1 record), Wallingford town (1 record), Woodbridge town (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	74 records, 1996 to 2025 (74 zone-level)	33 kt (38 mph) to 74 kt (85 mph) (median 50 kt (58 mph)); 68 with a recorded value	74 kt (85 mph) estimated gust, High Wind, 2012-10-29; NWS zone CTZ010	Strong Wind, 2010-09-30, \$500,000 property; \$0 crops (zone total, 2010 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	345 records, 1957 to 2026	43 kt (49 mph) to 87 kt (100 mph) (median 52 kt (60 mph)); 300 with a recorded value	87 kt (100 mph) estimated gust, Thunderstorm Wind, 2014-05-27	Thunderstorm Wind, 2018-05-15, \$50,000 property; \$0 crops (2018 dollars)	Event records naming jurisdictions in the plan: Guilford town (13 records), Hamden town (12 records), New Haven city (12 records), Meriden city (10 records), Orange town (10 records), North Branford town (9 records), North Haven town (9 records), Wallingford town (6 records), Bethany town (5 records), Branford town (5 records); and 5 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	21 records, 1955 to 2021	F/EF0 to F/EF4 (median F/EF1); 19 with a recorded value	F4 tornado, 1989-07-10, 3 mi path length (whole path, pre-1996), 100 yd wide, \$250,000,000 property; crops not recorded (1989 dollars), 40 direct injuries		Event records naming jurisdictions in the plan: Bethany town (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
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)	135 records, 1996 to 2026 (135 zone-level)		Winter Storm, 2011-02-01, \$1,400,000 property; \$0 crops (2011 dollars); NWS zone CTZ006		Countywide (zone-level records).	

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of debris flow, 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: 36 declarations covering 26 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Connecticut planning regions have no county-level plan in FEMA data; see each town's plan dates in the region.

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2024-10-24	2024-10-21	FM-5542-CT	Fire management	Hawthorne Fire	Wildfire		within last 5 years	former New Haven County total, not this region: no Public Assistance recorded
2024-09-20	2024-08-18	DR-4820-CT	Major disaster	Severe Storm, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide		within last 5 years	former New Haven County total, not this region: \$10,846,143.15
2024-08-21	2024-08-18	EM-3612-CT	Emergency	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide		within last 5 years	same incident as DR-4820; former New Haven County total, not this region: no Public Assistance recorded
2021-10-30	2021-09-01	DR-4629-CT	Major disaster	Remnants of Hurricane Ida	Hurricane		within last 5 years	former New Haven County total, not this region: no Public Assistance recorded
2021-08-22	2021-08-21	EM-3564-CT	Emergency	Hurricane Henri	Hurricane			former New Haven County total, not this region: no Public Assistance recorded
2021-01-12	2020-08-04	DR-4580-CT	Major disaster	Tropical Storm Isaias	Hurricane			former New Haven County total, not this region: \$7,798,828.89

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-08-06	2020-08-04	EM-3535-CT	Emergency	Tropical Storm Isaias	Hurricane			same incident as DR-4580; former New Haven County total, not this region: no Public Assistance recorded
2020-03-28	2020-01-20	DR-4500-CT	Major disaster	COVID-19 Pandemic	Non-natural, not counted			former New Haven County total, not this region: \$140,706,170.54
2020-03-13	2020-01-20	EM-3439-CT	Emergency	COVID-19	Non-natural, not counted			same incident as DR-4500; former New Haven County total, not this region: no Public Assistance recorded
2018-08-20	2018-05-15	DR-4385-CT	Major disaster	Severe Storms, Tornadoes, and Straight-Line Winds	Tornado (primary); also designated: Strong Wind			former New Haven County total, not this region: \$8,575,287.12
2015-04-08	2015-01-26	DR-4213-CT	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather			former New Haven County total, not this region: \$3,097,510.43
2013-03-21	2013-02-08	DR-4106-CT	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather			former New Haven County total, not this region: \$7,926,811.33
2013-02-10	2013-02-08	EM-3361-CT	Emergency	Severe Winter Storm	Winter Weather			same incident as DR-4106; former New Haven County total, not this region: no Public Assistance recorded
2012-10-30	2012-10-27	DR-4087-CT	Major disaster	Hurricane Sandy	Hurricane			former New Haven County total, not this region: \$10,199,477.43
2012-10-28	2012-10-27	EM-3353-CT	Emergency	Hurricane Sandy	Hurricane			same incident as DR-4087; former New Haven County total, not this region: no Public Assistance recorded
2011-11-17	2011-10-29	DR-4046-CT	Major disaster	Severe Storm	Hazard not mapped (severe storm title names no single hazard); not counted			former New Haven County total, not this region: \$4,914,510.70
2011-10-31	2011-10-29	EM-3342-CT	Emergency	Severe Storm	Hazard not mapped (severe storm title names no single hazard); not counted			same incident as DR-4046; former New Haven County total, not this region: no Public Assistance recorded
2011-09-02	2011-08-27	DR-4023-CT	Major disaster	Tropical Storm Irene	Hurricane			former New Haven County total, not this region: \$12,581,181.14
2011-08-27	2011-08-26	EM-3331-CT	Emergency	Hurricane Irene	Hurricane			same incident as DR-4023; former New Haven County total, not this region: no Public Assistance recorded
2011-03-03	2011-01-11	DR-1958-CT	Major disaster	Snowstorm	Winter Weather			former New Haven County total, not this region: \$2,367,657.56
2010-04-23	2010-03-12	DR-1904-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former New Haven County total, not this region: no Public Assistance recorded
2007-05-11	2007-04-15	DR-1700-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former New Haven County total, not this region: no Public Assistance recorded
2006-05-02	2006-02-11	EM-3266-CT	Emergency	Snow	Winter Weather			former New Haven County total, not this region: \$1,706,562.06

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2005-09-13	2005-08-29	EM-3246-CT	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted			former New Haven County total, not this region: no Public Assistance recorded
2005-02-17	2005-01-22	EM-3200-CT	Emergency	Record Snow	Winter Weather			former New Haven County total, not this region: \$1,776,305.19
2004-01-15	2003-12-05	EM-3192-CT	Emergency	Snow	Winter Weather			former New Haven County total, not this region: \$1,508,231.89
2003-03-11	2003-02-17	EM-3176-CT	Emergency	Snow	Winter Weather			former New Haven County total, not this region: \$1,312,854.32
1996-01-24	1996-01-07	DR-1092-CT	Major disaster	Blizzard 0F 96	Winter Weather			former New Haven County total, not this region: no Public Assistance recorded
1993-03-16	1993-03-13	EM-3098-CT	Emergency	Severe Winds & Blizzard, Record Snowfall	Winter Weather			former New Haven County total, not this region: no Public Assistance recorded
1992-12-17	1992-12-10	DR-972-CT	Major disaster	Winter Storm & Coastal Flooding	Coastal Flooding			former New Haven County total, not this region: no Public Assistance recorded
1991-08-30	1991-08-19	DR-916-CT	Major disaster	Hurricane Bob	Hurricane			former New Haven County total, not this region: no Public Assistance recorded
1989-07-17	1989-07-10	DR-837-CT	Major disaster	Severe Storms & Tornadoes	Tornado			former New Haven County total, not this region: no Public Assistance recorded
1985-10-11	1985-09-27	DR-747-CT	Major disaster	Hurricane Gloria	Hurricane			former New Haven County total, not this region: no Public Assistance recorded
1984-06-18	1984-05-27	DR-711-CT	Major disaster	Severe Storms & Flooding	Inland Flooding			former New Haven County total, not this region: no Public Assistance recorded
1982-06-14	1982-06-14	DR-661-CT	Major disaster	Severe Storms & Flooding	Inland Flooding			former New Haven County total, not this region: no Public Assistance recorded
1978-02-07	1978-02-07	EM-3060-CT	Emergency	Blizzard & Snowstorms	Winter Weather			former New Haven County total, not this region: no Public Assistance recorded

Old-county PA is never summed into a region 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.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1955-08-20	1955-08-20	DR-42-CT	Major disaster	Hurricane, Torrential Rain & Floods	Hurricane (primary); also designated: Inland Flooding
1954-09-17	1954-09-17	DR-25-CT	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.

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	23			1	1		1996 to 2026-06-30	
Cold Wave	4			0	0		1996 to 2026-06-30	
Drought	3			0	0		1996 to 2026-06-30	
Earthquake	0			0	0			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	66			6	0		1955 to 2026-06-30	
Heat Wave	13			0	0		1996 to 2026-06-30	
Hurricane	3			0	7		1996 to 2026-06-30	
Ice Storm	5			1	0		1996 to 2026-06-30	
Inland Flooding	165			35	5		1996 to 2026-06-30	
Landslide	0			0	1		1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	32			1	0		1996 to 2026-06-30	
Strong Wind	419			68	1		1955 to 2026-06-30	Includes 41 High Wind and 33 Strong Wind records.
Tornado	21			2	2		1950 to 2026-06-30	
Tsunami	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0			0	1		1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Winter Weather	135			22	10		1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2024-08-18	Flash Flood		\$0 property; \$0 crops (2024 dollars)	2, 0	OXFORD (former New Haven County record)	within last 5 years	deaths or injuries recorded
2020-08-04	Tropical Storm		\$10,000,000 property; \$0 crops (zone total, 2020 dollars)	1, 0	NWS zone CTZ006 (NORTHERN NEW HAVEN), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2019-07-19	Heat		damage not reported	0, 0	NWS zone CTZ006 (NORTHERN NEW HAVEN), zone-level		B1-c worst recorded: Excessive Heat, Heat
2015-02-15	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2015 dollars)	0, 0	NWS zone CTZ006 (NORTHERN NEW HAVEN), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2014-05-27	Thunderstorm Wind	87 kt (100 mph) estimated gust	\$8,000 property; crops not reported (2014 dollars)	0, 0	SOUTH BRITAIN (former New Haven County record)		B1-c worst recorded: Thunderstorm Wind
2012-10-29	High Wind	74 kt (85 mph) estimated gust	\$200,000 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone CTZ010 (SOUTHERN NEW HAVEN), zone-level		B1-c worst recorded: High Wind and Strong Wind
2011-02-01	Ice Storm		\$2,100,000 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone CTZ010 (SOUTHERN NEW HAVEN), zone-level		B1-c worst recorded: Ice Storm
2011-02-01	Winter Storm		\$1,400,000 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone CTZ006 (NORTHERN NEW HAVEN), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2008-06-08	Lightning		damage not reported	1, 4	MADISON (former New Haven County record)		deaths or injuries recorded
1996-04-16	Flash Flood		\$1,500,000 property; crops not reported (1996 dollars)	0, 0	COUNTYWIDE (former New Haven County record)		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1989-07-10	Tornado	F4, 3 mi path length (whole path, pre-1996), 100 yd wide	\$250,000,000 property; crops not recorded (1989 dollars)	0, 40	location not recorded (former New Haven County record)		B1-c worst recorded: Tornado
1962-05-24	Tornado	F3, 9.3 mi path length (whole path, pre-1996), 120 yd wide	\$2,500,000 property; crops not recorded (1962 dollars)	1, 45	location not recorded (former New Haven County record)		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (889 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	4.96	events per year at a location (modeled)	about 5 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	0.923	event-days per year	about 0.923 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	10.7	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	0.927	event-days per year	about 0.927 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	105	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00147	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.147%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.27	events per year	about 2.27 per year	Highly likely	FEMA annualized frequency (modeled)	90.0 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	5.01	event-days per year	about 5.01 days per year	Likely	Storm Events event-days in 9 of 30 years, 1996 to 2025 (30%)	49.4	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.171	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	58	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	1.97	event-days per year	about 1.97 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	84	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	3.25	event-days per year	about 3.25 days per year	Likely	Storm Events event-days in 25 of 30 years, 1996 to 2025 (83.3%)	91	1996 to 2023 (28 years)	see B1-f	
Landslide	0.162	events per year (modeled)	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	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
Lightning	26.1	days per year with a strike	about 26.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	3.43	events per year	about 3.43 per year	Highly likely	FEMA annualized frequency (modeled)	83	1986 to 2023 (38 years)	countywide	
Tornado	0.175	events per year	about 1 in 6 years	Likely	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	0.000103	annual probability at a location	chance a given location in the county burns in a year: 0.0103%		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	12.8	event-days per year	about 12.8 days per year	Highly likely	Storm Events event- days in 29 of 30 years, 1996 to 2025 (96.7%)	148	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	25	30	0.833
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	269	30	8.97
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	16	30	0.533
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	5	30	0.167
Tornado	EF0-1	1996 to 2025	10	30	0.333
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	72 of 135	70.5	92.1	99.6	Very High 1, Relatively High 19, Relatively Moderate 25, Relatively Low 14, Very Low 13, No Rating 63
Cold Wave	135 of 135	18.5	26.7	41.5	Relatively Low 134, Very Low 1
Drought	18 of 135	67.7	72.4	80.8	Relatively Low 3, Very Low 15, No Rating 117
Earthquake	135 of 135	18.4	53.4	83.9	Relatively Moderate 5, Relatively Low 100, Very Low 30
Hail	135 of 135	6.8	19.5	60.8	Relatively Low 4, Very Low 131
Heat Wave	135 of 135	3.7	18.8	46.0	Relatively Low 74, Very Low 61
Hurricane	135 of 135	73.4	84.1	94.7	Relatively High 12, Relatively Moderate 111, Relatively Low 12
Ice Storm	135 of 135	36.4	75.0	94.6	Relatively High 6, Relatively Moderate 91, Relatively Low 38
Inland Flooding	135 of 135	1.3	57.5	98.2	Very High 4, Relatively High 19, Relatively Moderate 63, Relatively Low 42, Very Low 7
Landslide	134 of 135	12.3	48.8	90.0	Relatively Low 9, Very Low 125, No Rating 1
Lightning	135 of 135	14.8	41.9	74.3	Relatively Moderate 45, Relatively Low 87, Very Low 3
Strong Wind	135 of 135	17.0	36.3	64.9	Relatively Moderate 11, Relatively Low 119, Very Low 5
Tornado	135 of 135	18.1	32.7	56.8	Relatively Moderate 1, Relatively Low 97, Very Low 37
Tsunami	0 of 135				Insufficient Data 135
Wildfire	103 of 135	20.1	33.4	73.7	Relatively Low 4, Very Low 99, No Rating 32
Winter Weather	135 of 135	30.4	53.4	74.5	Relatively Moderate 83, Relatively Low 52

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
Meriden city	City	Approved, expires 2028-04-03	FMA RL 0, SRL 3; any 27	\$2,643,446.01	22 total; 1 since its plan	Includes \$847,958.39 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Milford city	City	Approved, expires 2028-04-03	FMA RL 80, SRL 93; any 490	\$4,448,887.03	16 total; 0 since its plan	Includes \$320,687.18 for declarations not counted as hazard incidents (DR-4500-CT).
New Haven city	City	Approved, expires 2028-04-03	FMA RL 1, SRL 2; any 45	\$12,879,000.58	28 total; 1 since its plan	Includes \$6,284,917.27 for declarations not counted as hazard incidents (DR-4500-CT).
West Haven city	City	Approved, expires 2028-04-03	FMA RL 1, SRL 3; any 66	\$4,099,441.06	8 total; 0 since its plan	Includes \$44,797.99 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Bethany town	Town	Approved, expires 2028-04-03	FMA RL 0, SRL 0; any 0	\$1,187,185.91	9 total; 0 since its plan	Includes \$93,393.49 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Branford town	Town	Approved, expires 2028-04-03	FMA RL 4, SRL 7; any 125	\$1,850,707.89	6 total; 0 since its plan	Includes \$23,970.90 for declarations not counted as hazard incidents (DR-4500-CT).
East Haven town	Town	Approved, expires 2028-04-03	FMA RL 32, SRL 59; any 242	\$1,774,800.99	3 total; 0 since its plan	Includes \$47,501.20 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Guilford town	Town	Approved, expires 2028-04-03	FMA RL 4, SRL 6; any 64	\$1,987,354.81	17 total; 1 since its plan	Includes \$157,414.69 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Hamden town	Town	Approved, expires 2028-04-03	FMA RL 0, SRL 4; any 17	\$4,886,386.42	18 total; 0 since its plan	Includes \$217,112.21 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Madison town	Town	Approved, expires 2028-04-03	FMA RL 6, SRL 6; any 92	\$1,614,909.02	4 total; 1 since its plan	Includes \$91,818.51 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
North Branford town	Town	Approved, expires 2028-04-03	FMA RL 0, SRL 2; any 9	\$868,964.09	11 total; 2 since its plan	Includes \$191,019.29 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
North Haven town	Town	Approved, expires 2028-04-03	FMA RL 0, SRL 6; any 25	\$2,316,989.54	13 total; 1 since its plan	Includes \$348,392.62 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Orange town	Town	Approved, expires 2028-04-03	FMA RL 0, SRL 8; any 18	\$2,141,011.42	11 total; 0 since its plan	Includes \$97,619.84 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Wallingford town	Town	Approved, expires 2028-04-03	FMA RL 0, SRL 1; any 12	\$4,758,631.72	22 total; 2 since its plan	Includes \$688,524.52 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Woodbridge town	Town	Approved, expires 2028-04-03	FMA RL 0, SRL 1; any 7	\$1,291,972.25	10 total; 4 since its plan	Includes \$162,761.12 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).

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

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

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.

Connecticut planning regions have no county-level plan in FEMA data; see each town's plan dates in the region.

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets

County-level starter: exposure, expected annual loss and damage since the plan

Sources: 1, 2, 3, 5, 6, 7

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year; not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since plan <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Coastal Flooding	\$9,379,248,978	n/a	35,391	\$8,921,616	n/a	\$239,791	0.0951%				
Cold Wave	\$117,109,230,899	\$102,394,050	570,229	\$437	\$10,226	\$1,986,972	under 0.0001%				
Drought	n/a	\$9,318,856	n/a	n/a	\$9,328	n/a	0.1% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$207,844,751,478	n/a	570,487	\$5,157,271	n/a	\$1,423,441	0.00248%				
Hail	\$117,109,230,899	\$102,394,050	570,229	\$39,973	\$43,892	\$71,134	under 0.0001%				
Heat Wave	\$117,109,230,899	\$102,394,050	570,229	\$3	\$11,966	\$2,005,272	under 0.0001%				
Hurricane	\$117,107,321,224	\$102,394,050	570,209	\$35,508,344	\$742,278	\$1,130,620	0.0303%				
Ice Storm	\$116,564,413,220	n/a	567,647	\$1,820,767	n/a	\$209,829	0.00156%				
Inland Flooding	\$116,934,321,519	\$3,620,503	30,673	\$106,765,536	\$17,650	\$841,772	n/a (see note)				NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$2,809,944,630	n/a	14,241	\$4,456	n/a	\$790	0.000159%				
Lightning	\$117,109,230,899	n/a	570,229	\$48,588	n/a	\$1,298,823	under 0.0001%				
Strong Wind	\$117,109,230,899	\$102,394,050	570,229	\$584,051	\$2,475	\$950,617	0.000499%				
Tornado	\$117,109,230,899	\$102,394,050	570,229	\$2,632,818	\$1,864	\$837,585	0.00225%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since plan <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$3,468,656,699	\$16,340,218	24,928	\$23,360	\$17	\$4,130	0.000673%				
Winter Weather	\$117,109,230,899	\$102,394,050	570,229	\$73,499	\$40	\$360,190	under 0.0001%				

Totals since the plan: not available. Connecticut planning regions have no county-level plan in FEMA data; see each town's plan dates in the region.

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	570,229
Building value (total, not at risk)	\$117,109,230,899
Agriculture value (total, not at risk)	\$102,394,050
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$162,420,454
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)	\$11,360,966
Social vulnerability rating	Relatively Moderate
Community resilience rating	Relatively High
NRI version	December 2025

FEMA's all-hazard expected annual loss adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	128	Severe repetitive loss, FMA definition (44 CFR 77.2)	201
Repetitive loss, NFIP insurance definition	1,161	Severe repetitive loss, NFIP insurance definition	139

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	128	201	1,161	139	1,239	74	571
of which: Branford town	4	7	124	7	125	1	63
of which: East Haven town	32	59	232	51	242	8	94
of which: Guilford town	4	6	64	6	64	0	30
of which: Hamden town	0	4	17	4	17	0	2
of which: Madison town	6	6	88	4	92	3	41
of which: Meriden city	0	3	27	3	27	0	5
of which: Milford city	80	93	427	41	490	62	281
of which: New Haven city	1	2	45	2	45	0	15
of which: North Branford town	0	2	9	2	9	0	2
of which: North Haven town	0	6	25	6	25	0	6
of which: Orange town	0	8	18	8	18	0	7
of which: Wallingford town	0	1	12	1	12	0	1
of which: West Haven city	1	3	66	3	66	0	22
of which: Woodbridge town	0	1	7	1	7	0	2
Statewide, no county in FEMA's file	0	0	9	0	9	0	4

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

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Meriden city	090081	0	3	27	3	27	0	5
Milford city	090082	80	93	427	41	490	62	281
New Haven city	090084	1	2	45	2	45	0	15
West Haven city	090092	1	3	66	3	66	0	22
Bethany town	090144	0	0	0	0	0	0	0
Branford town	090073	4	7	124	7	125	1	63
East Haven town	090076	32	59	232	51	242	8	94
Guilford town	090077	4	6	64	6	64	0	30
Hamden town	090078	0	4	17	4	17	0	2
Madison town	090079	6	6	88	4	92	3	41
North Branford town	090085	0	2	9	2	9	0	2
North Haven town	090086	0	6	25	6	25	0	6
Orange town	090087	0	8	18	8	18	0	7
Wallingford town	090090	0	1	12	1	12	0	1
Woodbridge town	090153	0	1	7	1	7	0	2

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	121	177	1,002	118	1,078	72	527
2 to 4 unit residential	3	5	60	4	62	2	20
other residential	0	5	25	5	25	0	11
non-residential	4	14	74	12	74	0	13
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 53 properties are FMA repetitive loss but not NFIP repetitive loss, and 1,086 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). South Central Connecticut Planning Region, CT: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; Planning region FIPS 09170). Automated baseline. <https://hazardplain.org/ct/09170/> 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