

Northeastern Connecticut Planning Region, CT

Risk-assessment baseline packet

Planning region FIPS: 09150 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 (\$23,519,641 a year), Hurricane (\$6,295,057) and Earthquake (\$710,729).

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; 09150 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: 20 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 <i>negative = days since expiry</i>	Notes
Ashford town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Brooklyn town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Canterbury town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Chaplin town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Eastford town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Hampton town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Killingly town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Plainfield town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Pomfret town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Putnam town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Scotland town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Sterling town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Thompson town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Union town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Voluntown town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Woodstock town	Town	Expired on 2021-01-05	2015 Northeastern Connecticut Council of Governments Regional Hazard Mitigation Plan (FEMA plan 101753)	2016-01-05	2021-01-05	-2,094	
Eastern 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	
Quinebaug 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	

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Notes
Southeastern Connecticut Council of Governments	Other	Approved, expires 2028-09-26	Southeastern Connecticut Council of Governments Multi-Jurisdictional Hazard Mitigation Plan Update (FEMA plan 109036)	2023-09-27	2028-09-26	727	this jurisdiction approved 2025-06-11
Three Rivers Community	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 Moderate	Relatively Moderate	\$23,510,978	\$156	\$8,507	\$23,519,641	177	
2	Hurricane	Relatively Moderate	Relatively Moderate	\$5,668,545	\$435,989	\$190,523	\$6,295,057	9	
3	Earthquake	Relatively Low	Relatively Low	\$606,335	n/a	\$104,394	\$710,729		Storm Events does not record earthquakes.
4	Tornado	Relatively Low	Relatively Low	\$533,756	\$1,143	\$125,483	\$660,382	17	
5	Cold Wave	Relatively Low	Relatively Low	\$374	\$8,371	\$520,338	\$529,083	4	
6	Heat Wave	Relatively Low	Relatively Low	\$1	\$8,646	\$520,162	\$528,808	11	
7	Ice Storm	Relatively Moderate	Relatively Moderate	\$329,725	n/a	\$48,437	\$378,162	5	
8	Lightning	Relatively Low	Relatively Low	\$15,349	n/a	\$221,729	\$237,078	35	

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
9	Strong Wind	Very Low	Relatively Low	\$64,704	\$2,006	\$96,754	\$163,464	600	Includes 74 High Wind and 64 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Winter Weather	Relatively Low	Relatively Moderate	\$14,867	\$30	\$57,550	\$72,447	237	
11	Hail	Very Low	Very Low	\$4,617	\$5,981	\$48,252	\$58,850	141	
12	Drought	Very Low	Very Low	n/a	\$24,533	n/a	\$24,533	13	
13	Wildfire	Very Low	Very Low	\$11,310	\$5	\$2,297	\$13,613	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Landslide	Very Low	Very Low	\$3,188	n/a	\$1,324	\$4,512	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Coastal Flooding	No Rating	No Expected Annual Losses	\$0	n/a	\$0	\$0	9	
	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 9045 (Relatively Low, 66.5); tract 9044 (Relatively Low, 66.1); tract 9002 (Relatively Low, 60.3)
Hurricane	tract 9045 (Relatively Moderate, 88.0); tract 9073 (Relatively Moderate, 87.9); tract 9071 (Relatively Moderate, 87.6)
Landslide	tract 9011.02 (Relatively Low, 90.9); tract 8301 (Relatively Low, 89.5); tract 9041.01 (Relatively Low, 88.1)
Tornado	tract 9011.02 (Relatively Low, 43.0); tract 9045 (Relatively Low, 40.3); tract 9002 (Relatively Low, 39.2)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 9061 (Relatively Low, 69.8); tract 9041.01 (Very Low, 65.3); tract 9001 (Very Low, 64.9)

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 9045 is Census Tract 9045). 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)	9 records, 1996 to 2024 (9 zone-level)		No damage reported in 9 records.		Countywide (zone-level records).	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	4 records, 2000 to 2023 (4 zone-level)	1 day to 2 days (median 1.5 days); 4 with a recorded value	2 consecutive days, 2004-01-15 to 2004-01-16, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Drought	U.S. Drought Monitor scale (D0 to D4)	13 records, 2002 to 2017 (13 zone-level)	8 days to 204 days (median 44.5 days); 4 with a recorded value	204 days (about 6.7 months), 2016-09-13 to 2017-04-04, a run of 8 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)	172 records, 1959 to 2025	0.75 in to 2.75 in (median 1 in); 172 with a recorded value	2.75 in hail, 1995-06-20; same size also recorded on 1969-05-29	Hail, 1995-06-20, \$200,000 property; crops not recorded (1995 dollars)	Event records naming jurisdictions in the plan: Pomfret town (9 records), Woodstock town (4 records), Eastford town (3 records), Putnam town (3 records), Union town (3 records), Plainfield town (2 records), Scotland town (2 records), Thompson town (2 records), Ashford town (1 record), Brooklyn town (1 record); and 4 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	11 records, 1999 to 2019 (11 zone-level)	1 day to 3 days (median 2 days); 7 with a recorded value	3 consecutive days, 2002-07-02 to 2002-07-04, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	9 records, 2008 to 2021 (9 zone-level)		Strongest recorded: Tropical Storm record, 2011-08-28, \$20,000,000 property; \$0 crops (2011 dollars); NWS zone CTZ003		Countywide (zone-level records).	Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	5 records, 1997 to 2011 (5 zone-level)		Ice Storm, 2002-11-16, \$500,000 property; crops not reported (2002 dollars); NWS zone CTZ003		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	177 records, 1996 to 2024 (8 zone-level)		Flood, 2010-03-30, \$4,000,000 property; \$0 crops (2010 dollars)		Event records naming jurisdictions in the plan: Hampton town (3 records), Eastford town (2 records), Putnam town (2 records), Voluntown town (2 records), Plainfield town (1 record), Pomfret town (1 record), Sterling town (1 record), Woodstock town (1 record). 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					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	35 records, 1997 to 2025		Lightning, 1997-06-19, damage not reported, 1 direct death	Lightning, 2010-07-16, \$75,000 property; \$0 crops (2010 dollars)	Event records naming jurisdictions in the plan: Plainfield town (2 records), Pomfret town (2 records), Putnam town (1 record), Voluntown town (1 record), Woodstock 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)	138 records, 1996 to 2026 (138 zone-level)	28 kt (32 mph) to 65 kt (75 mph) (median 50 kt (58 mph)); 113 with a recorded value	65 kt (75 mph) measured gust, High Wind, 2012-10-29; NWS zone CTZ012	High Wind, 2012-10-29, \$1,000,000 property; \$0 crops (zone total, 2012 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	534 records, 1956 to 2026	40 kt (46 mph) to 74 kt (85 mph) (median 50 kt (58 mph)); 466 with a recorded value	74 kt (85 mph) estimated gust, Thunderstorm Wind, 2014-07-27; same speed and measurement basis also recorded on 2008-07-02	Thunderstorm Wind, 2008-07-02, \$100,000 property; \$0 crops (2008 dollars)	Event records naming jurisdictions in the plan: Pomfret town (15 records), Woodstock town (14 records), Ashford town (10 records), Scotland town (8 records), Eastford town (6 records), Plainfield town (6 records), Thompson town (5 records), Brooklyn town (4 records), Canterbury town (4 records), Chaplin town (4 records); and 5 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	28 records, 1951 to 2023	F/EF0 to F/EF3 (median F/EF1); 28 with a recorded value	F3 tornado, 1954-05-10, 0.3 mi path length (whole path, pre-1996), 33 yd wide, \$25,000 property; crops not recorded (1954 dollars), 2 direct injuries	Tornado, 1985-06-24, \$2,500,000 property; crops not recorded (1985 dollars)	Event records naming jurisdictions in the plan: Ashford town (1 record), Scotland 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).
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)	237 records, 1996 to 2026 (237 zone-level)		Heavy Snow, 2011-10-29, \$3,000,000 property; \$0 crops (2011 dollars); NWS zone CTZ003		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: 86 declarations covering 24 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
2024-01-13	2024-01-10	EM-3604-CT	Emergency	Severe Storms, Flooding, and a Potential Dam Breach	Inland Flooding		within last 5 years	former New London 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 London County total, not this region: no Public Assistance recorded
2021-08-22	2021-08-21	EM-3564-CT	Emergency	Hurricane Henri	Hurricane			former Windham County total, not this region: no Public Assistance recorded
2021-08-22	2021-08-21	EM-3564-CT	Emergency	Hurricane Henri	Hurricane			former Tolland County total, not this region: no Public Assistance recorded
2021-08-22	2021-08-21	EM-3564-CT	Emergency	Hurricane Henri	Hurricane			former New London County total, not this region: \$5,339.02
2021-01-12	2020-08-04	DR-4580-CT	Major disaster	Tropical Storm Isaias	Hurricane			former Windham County total, not this region: \$235,171.29
2021-01-12	2020-08-04	DR-4580-CT	Major disaster	Tropical Storm Isaias	Hurricane			former Tolland County total, not this region: \$921,761.71
2021-01-12	2020-08-04	DR-4580-CT	Major disaster	Tropical Storm Isaias	Hurricane			former New London County total, not this region: \$1,074,018.28
2020-08-06	2020-08-04	EM-3535-CT	Emergency	Tropical Storm Isaias	Hurricane			same incident as DR-4580; former Windham County total, not this region: no Public Assistance recorded
2020-08-06	2020-08-04	EM-3535-CT	Emergency	Tropical Storm Isaias	Hurricane			same incident as DR-4580; former Tolland County total, not this region: no Public Assistance recorded
2020-08-06	2020-08-04	EM-3535-CT	Emergency	Tropical Storm Isaias	Hurricane			same incident as DR-4580; former New London 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 Windham County total, not this region: \$2,030,946.15
2020-03-28	2020-01-20	DR-4500-CT	Major disaster	COVID-19 Pandemic	Non-natural, not counted			former Tolland County total, not this region: \$4,173,846.07
2020-03-28	2020-01-20	DR-4500-CT	Major disaster	COVID-19 Pandemic	Non-natural, not counted			former New London County total, not this region: \$27,151,096.56

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-03-13	2020-01-20	EM-3439-CT	Emergency	COVID-19	Non-natural, not counted			same incident as DR-4500; former Windham County total, not this region: no Public Assistance recorded
2020-03-13	2020-01-20	EM-3439-CT	Emergency	COVID-19	Non-natural, not counted			same incident as DR-4500; former Tolland County total, not this region: no Public Assistance recorded
2020-03-13	2020-01-20	EM-3439-CT	Emergency	COVID-19	Non-natural, not counted			same incident as DR-4500; former New London County total, not this region: no Public Assistance recorded
2018-12-05	2018-09-25	DR-4410-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former New London County total, not this region: \$491,639.85
2015-04-08	2015-01-26	DR-4213-CT	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather			former Windham County total, not this region: \$667,486.34
2015-04-08	2015-01-26	DR-4213-CT	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather			former Tolland County total, not this region: \$1,118,855.58
2015-04-08	2015-01-26	DR-4213-CT	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather			former New London County total, not this region: \$1,856,741.77
2013-03-21	2013-02-08	DR-4106-CT	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather			former Windham County total, not this region: \$458,100.76
2013-03-21	2013-02-08	DR-4106-CT	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather			former Tolland County total, not this region: \$949,497.65
2013-03-21	2013-02-08	DR-4106-CT	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather			former New London County total, not this region: \$1,798,115.14
2013-02-10	2013-02-08	EM-3361-CT	Emergency	Severe Winter Storm	Winter Weather			same incident as DR-4106; former Windham County total, not this region: no Public Assistance recorded
2013-02-10	2013-02-08	EM-3361-CT	Emergency	Severe Winter Storm	Winter Weather			same incident as DR-4106; former Tolland County total, not this region: no Public Assistance recorded
2013-02-10	2013-02-08	EM-3361-CT	Emergency	Severe Winter Storm	Winter Weather			same incident as DR-4106; former New London County total, not this region: no Public Assistance recorded
2012-10-30	2012-10-27	DR-4087-CT	Major disaster	Hurricane Sandy	Hurricane			former Windham County total, not this region: \$154,388.96
2012-10-30	2012-10-27	DR-4087-CT	Major disaster	Hurricane Sandy	Hurricane			former Tolland County total, not this region: \$718,087.61
2012-10-30	2012-10-27	DR-4087-CT	Major disaster	Hurricane Sandy	Hurricane			former New London County total, not this region: \$5,508,478.74
2012-10-28	2012-10-27	EM-3353-CT	Emergency	Hurricane Sandy	Hurricane			same incident as DR-4087; former Windham County total, not this region: no Public Assistance recorded

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2012-10-28	2012-10-27	EM-3353-CT	Emergency	Hurricane Sandy	Hurricane			same incident as DR-4087; former Tolland County total, not this region: no Public Assistance recorded
2012-10-28	2012-10-27	EM-3353-CT	Emergency	Hurricane Sandy	Hurricane			same incident as DR-4087; former New London 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 Windham County total, not this region: \$122,595.37
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 Tolland County total, not this region: \$5,505,224.23
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 Windham County total, not this region: no Public Assistance recorded
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 Tolland County total, not this region: no Public Assistance recorded
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 London County total, not this region: \$26,307.80
2011-09-02	2011-08-27	DR-4023-CT	Major disaster	Tropical Storm Irene	Hurricane			former Windham County total, not this region: \$599,278.65
2011-09-02	2011-08-27	DR-4023-CT	Major disaster	Tropical Storm Irene	Hurricane			former Tolland County total, not this region: \$854,246.46
2011-09-02	2011-08-27	DR-4023-CT	Major disaster	Tropical Storm Irene	Hurricane			former New London County total, not this region: \$5,387,536.15
2011-08-27	2011-08-26	EM-3331-CT	Emergency	Hurricane Irene	Hurricane			same incident as DR-4023; former Windham County total, not this region: no Public Assistance recorded
2011-08-27	2011-08-26	EM-3331-CT	Emergency	Hurricane Irene	Hurricane			same incident as DR-4023; former Tolland County total, not this region: no Public Assistance recorded
2011-08-27	2011-08-26	EM-3331-CT	Emergency	Hurricane Irene	Hurricane			same incident as DR-4023; former New London County total, not this region: no Public Assistance recorded
2011-03-03	2011-01-11	DR-1958-CT	Major disaster	Snowstorm	Winter Weather			former Tolland County total, not this region: \$738,463.69
2011-03-03	2011-01-11	DR-1958-CT	Major disaster	Snowstorm	Winter Weather			former New London County total, not this region: \$1,002,297.46
2010-04-23	2010-03-12	DR-1904-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former Windham County total, not this region: no Public Assistance recorded

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2010-04-23	2010-03-12	DR-1904-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former New London County total, not this region: \$5,063,960.60
2007-05-11	2007-04-15	DR-1700-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former Windham 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 London County total, not this region: no Public Assistance recorded
2006-05-02	2006-02-11	EM-3266-CT	Emergency	Snow	Winter Weather			former Windham County total, not this region: \$259,952.34
2006-05-02	2006-02-11	EM-3266-CT	Emergency	Snow	Winter Weather			former Tolland County total, not this region: \$394,792.07
2005-12-16	2005-10-14	DR-1619-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former Windham County total, not this region: \$412,946.32
2005-12-16	2005-10-14	DR-1619-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former Tolland County total, not this region: \$571,145.86
2005-12-16	2005-10-14	DR-1619-CT	Major disaster	Severe Storms and Flooding	Inland Flooding			former New London County total, not this region: \$435,040.46
2005-09-13	2005-08-29	EM-3246-CT	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted			former Windham County total, not this region: no Public Assistance recorded
2005-09-13	2005-08-29	EM-3246-CT	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted			former Tolland County total, not this region: no Public Assistance recorded
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 London County total, not this region: no Public Assistance recorded
2005-02-17	2005-01-22	EM-3200-CT	Emergency	Record Snow	Winter Weather			former Windham County total, not this region: \$286,231.71
2005-02-17	2005-01-22	EM-3200-CT	Emergency	Record Snow	Winter Weather			former Tolland County total, not this region: \$489,774.62
2005-02-17	2005-01-22	EM-3200-CT	Emergency	Record Snow	Winter Weather			former New London County total, not this region: \$784,972.33
2004-01-15	2003-12-05	EM-3192-CT	Emergency	Snow	Winter Weather			former Windham County total, not this region: \$236,943.06
2004-01-15	2003-12-05	EM-3192-CT	Emergency	Snow	Winter Weather			former Tolland County total, not this region: \$387,289.09
2004-01-15	2003-12-05	EM-3192-CT	Emergency	Snow	Winter Weather			former New London County total, not this region: \$600,136.75
2003-03-11	2003-02-17	EM-3176-CT	Emergency	Snow	Winter Weather			former Windham County total, not this region: \$172,632.90
2003-03-11	2003-02-17	EM-3176-CT	Emergency	Snow	Winter Weather			former Tolland County total, not this region: \$345,444.94
2003-03-11	2003-02-17	EM-3176-CT	Emergency	Snow	Winter Weather			former New London County total, not this region: \$440,704.05

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
1996-01-24	1996-01-07	DR-1092-CT	Major disaster	Blizzard 0F 96	Winter Weather			former Windham County total, not this region: no Public Assistance recorded
1996-01-24	1996-01-07	DR-1092-CT	Major disaster	Blizzard 0F 96	Winter Weather			former Tolland County total, not this region: no Public Assistance recorded
1996-01-24	1996-01-07	DR-1092-CT	Major disaster	Blizzard 0F 96	Winter Weather			former New London 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 Windham 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 Tolland 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 London County total, not this region: no Public Assistance recorded
1991-08-30	1991-08-19	DR-916-CT	Major disaster	Hurricane Bob	Hurricane			former Windham County total, not this region: no Public Assistance recorded
1991-08-30	1991-08-19	DR-916-CT	Major disaster	Hurricane Bob	Hurricane			former Tolland 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 London County total, not this region: no Public Assistance recorded
1985-10-11	1985-09-27	DR-747-CT	Major disaster	Hurricane Gloria	Hurricane			former Windham County total, not this region: no Public Assistance recorded
1985-10-11	1985-09-27	DR-747-CT	Major disaster	Hurricane Gloria	Hurricane			former Tolland 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 London 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 Tolland 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 Windham 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 Tolland 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 London County total, not this region: no Public Assistance recorded
1978-02-07	1978-02-07	EM-3060-CT	Emergency	Blizzard & Snowstorms	Winter Weather			former Windham County total, not this region: no Public Assistance recorded
1978-02-07	1978-02-07	EM-3060-CT	Emergency	Blizzard & Snowstorms	Winter Weather			former Tolland 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 London 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 records	In the 12 months before plan approval records	Last 5 years records	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Coastal Flooding	9			2	0		1996 to 2026-06-30	
Cold Wave	4			1	0		1996 to 2026-06-30	
Drought	13			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	172			15	0		1955 to 2026-06-30	
Heat Wave	11			0	0		1996 to 2026-06-30	
Hurricane	9			0	7		1996 to 2026-06-30	
Ice Storm	5			0	0		1996 to 2026-06-30	
Inland Flooding	177			21	7		1996 to 2026-06-30	
Landslide	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	35			6	0		1996 to 2026-06-30	
Strong Wind	672			120	0		1955 to 2026-06-30	Includes 74 High Wind and 64 Strong Wind records.
Tornado	28			4	0		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

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Wildfire	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	237			30	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	Why listed
2017-09-06	Thunderstorm Wind	56 kt (64 mph) estimated gust	\$15,000 property; crops not reported (2017 dollars)	1, 1	RIDGEWOOD (former New London County record)	deaths or injuries recorded
2015-08-04	Thunderstorm Wind	52 kt (60 mph) estimated gust	\$10,000 property; crops not reported (2015 dollars)	1, 0	WEST MYSTIC (former New London County record)	deaths or injuries recorded
2014-07-27	Thunderstorm Wind	74 kt (85 mph) estimated gust	\$50,000 property; \$0 crops (2014 dollars)	0, 0	TOLLAND (former Tolland County record)	B1-c worst recorded: Thunderstorm Wind
2012-10-29	High Wind	65 kt (75 mph) measured gust	\$300,000 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone CTZ012 (SOUTHERN NEW LONDON), zone-level	B1-c worst recorded: High Wind and Strong Wind
2011-08-28	Tropical Storm		\$20,000,000 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone CTZ003 (TOLLAND), zone- level	B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2010-03-30	Flood		\$4,000,000 property; \$0 crops (2010 dollars)	0, 0	CLARKS FALLS (former New London County record)	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2005-10-15	Flood		\$600,000 property; crops not reported (zone total, 2005 dollars)	1, 0	NWS zone CTZ004 (WINDHAM), zone- level	deaths or injuries recorded
2004-01-15	Cold/Wind Chill		damage not reported	0, 0	NWS zone CTZ008 (NORTHERN NEW LONDON), zone-level	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2002-11-16	Ice Storm		\$500,000 property; crops not reported (zone total, 2002 dollars)	0, 0	NWS zone CTZ003 (TOLLAND), zone- level	B1-c worst recorded: Ice Storm
2002-07-02	Heat		damage not reported	0, 0	NWS zone CTZ008 (NORTHERN NEW LONDON), zone-level	B1-c worst recorded: Excessive Heat, Heat
1997-06-19	Lightning		damage not reported	1, 0	GRISWOLD (former New London County record)	B1-c worst recorded: Lightning
1954-05-10	Tornado	F3, 0.3 mi path length (whole path, pre-1996), 33 yd wide	\$25,000 property; crops not recorded (1954 dollars)	0, 2	location not recorded (former Tolland County record)	B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,372 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	0.01	events per year at a location (modeled)	about 0.01 per year at a given location in the county	Likely	Storm Events records in 7 of 30 years, 1996 to 2025 (23.3%)	not shown	modeled	see B1-f	
Cold Wave	1.64	event-days per year	about 1.64 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	31.1	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	1.61	event-days per year	about 1.61 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	56	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00114	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.114%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.17	events per year	about 2.17 per year	Highly likely	FEMA annualized frequency (modeled)	82.5 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	5.98	event-days per year	about 5.98 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	101	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.166	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	66	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	2.45	event-days per year	about 2.45 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	165	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.25	event-days per year	about 2.25 days per year	Highly likely	Storm Events event-days in 27 of 30 years, 1996 to 2025 (90%)	63	1996 to 2023 (28 years)	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Landslide	0.462	events per year (modeled)	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	23.4	days per year with a strike	about 23.4 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.49	events per year	about 1.49 per year	Highly likely	FEMA annualized frequency (modeled)	57	1986 to 2023 (38 years)	countywide	
Tornado	0.147	events per year	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
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	0.0000636	annual probability at a location	chance a given location in the county burns in a year: 0.00636%		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	15.8	event-days per year	about 15.8 days per year	Highly likely	Storm Events event-days in 30 of 30 years, 1996 to 2025 (100%)	299	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year
events per year	Likely	about once in 1 to 10 years
events per year	Possible	about once in 10 to 100 years
events per year	Unlikely	less than once in 100 years
annual probability	Likely	10% to under 100% chance in a given year
annual probability	Possible	1% to under 10% chance in a given year
annual probability	Unlikely	under 1% chance in a given year
event-days (share of years)	Highly likely	event-days recorded in 90% or more of years
event-days (share of years)	Likely	event-days recorded in 10% to under 90% of years
event-days (share of years)	Possible	event-days recorded in some years but under 10% of years
lightning strike-days	Highly likely	cloud-to-ground strikes on 1 or more days per year

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	73	30	2.43
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	441	30	14.7
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	6	30	0.2
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	11	30	0.367
Tornado	EF0-1	1996 to 2025	17	30	0.567
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	0 of 26				No Rating 1, Not Applicable 25
Cold Wave	26 of 26	20.4	29.3	42.5	Relatively Low 26
Drought	23 of 26	70.2	77.5	85.3	Relatively Low 9, Very Low 14, No Rating 3
Earthquake	26 of 26	17.9	40.3	66.5	Relatively Low 13, Very Low 13
Hail	26 of 26	17.6	29.0	38.8	Relatively Low 2, Very Low 24
Heat Wave	26 of 26	5.6	24.6	48.8	Relatively Low 20, Very Low 6
Hurricane	26 of 26	69.3	83.6	88.0	Relatively Moderate 24, Relatively Low 2
Ice Storm	26 of 26	51.1	74.2	87.2	Relatively Moderate 17, Relatively Low 9
Inland Flooding	26 of 26	5.3	65.4	93.2	Relatively High 7, Relatively Moderate 12, Relatively Low 6, Very Low 1
Landslide	26 of 26	58.4	81.7	90.9	Relatively Low 14, Very Low 12
Lightning	26 of 26	13.6	38.2	61.8	Relatively Moderate 6, Relatively Low 19, Very Low 1
Strong Wind	26 of 26	12.9	24.7	35.6	Relatively Low 19, Very Low 7
Tornado	26 of 26	21.1	31.8	43.0	Relatively Low 17, Very Low 9
Tsunami	0 of 26				Not Applicable 25, Insufficient Data 1
Wildfire	26 of 26	35.2	59.6	69.8	Relatively Low 1, Very Low 25
Winter Weather	26 of 26	26.5	48.3	66.0	Relatively Moderate 13, Relatively Low 13

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
Ashford town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$323,346.82	12 total; 4 since its plan	Includes \$51,144.98 for declarations not counted as hazard incidents (DR-4046-CT, DR-4500-CT).
Brooklyn town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$127,232.60	5 total; 1 since its plan	
Canterbury town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$172,468.43	5 total; 2 since its plan	
Chaplin town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 1	\$85,671.11	5 total; 3 since its plan	
Eastford town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$89,249.05	11 total; 3 since its plan	Includes \$12,554.06 for declarations not counted as hazard incidents (DR-4046-CT).
Hampton town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$42,865.08	7 total; 5 since its plan	
Killingly town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$454,703.16	0 total; 0 since its plan	
Plainfield town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$640,366.52	11 total; 3 since its plan	Includes \$99,130.45 for declarations not counted as hazard incidents (DR-4500-CT).
Pomfret town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 1	\$183,253.82	27 total; 11 since its plan	
Putnam town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 1	\$349,890.30	9 total; 5 since its plan	
Scotland town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$66,481.55	11 total; 7 since its plan	
Sterling town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$70,534.20	4 total; 1 since its plan	
Thompson town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 2	\$171,795.32	7 total; 0 since its plan	Includes \$8,505.70 for declarations not counted as hazard incidents (DR-4500-CT).
Union town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$97,027.86	5 total; 2 since its plan	Includes \$36,411.43 for declarations not counted as hazard incidents (DR-4046-CT).
Voluntown town	Town	Expired on 2021-01-05	FMA RL 0, SRL 0; any 0	\$143,643.94	6 total; 2 since its plan	
Woodstock town	Town	Expired on 2021-01-05	FMA RL 0, SRL 1; any 1	\$386,130.19	20 total; 5 since its plan	Includes \$60,144.20 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	\$11,187,669	n/a	36	\$0	n/a	\$0	0%				
Cold Wave	\$20,961,777,747	\$63,753,853	95,308	\$374	\$8,371	\$520,338	under 0.0001%				
Drought	n/a	\$22,573,202	n/a	n/a	\$24,533	n/a	0.109% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$36,370,364,519	n/a	95,348	\$606,335	n/a	\$104,394	0.00167%				
Hail	\$20,961,789,246	\$63,753,853	95,308	\$4,617	\$5,981	\$48,252	under 0.0001%				
Heat Wave	\$20,961,777,747	\$63,753,853	95,308	\$1	\$8,646	\$520,162	under 0.0001%				
Hurricane	\$20,961,195,271	\$63,753,853	95,303	\$5,668,545	\$435,989	\$190,523	0.027%				
Ice Storm	\$20,961,777,747	n/a	95,308	\$329,725	n/a	\$48,437	0.00157%				
Inland Flooding	\$20,875,741,294	\$1,900,270	1,593	\$23,510,978	\$156	\$8,507	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	\$635,145,050	n/a	2,983	\$3,188	n/a	\$1,324	0.000502%				
Lightning	\$20,961,789,246	n/a	95,308	\$15,349	n/a	\$221,729	under 0.0001%				
Strong Wind	\$20,961,789,246	\$63,753,853	95,308	\$64,704	\$2,006	\$96,754	0.000309%				
Tornado	\$20,961,789,246	\$63,753,853	95,308	\$533,756	\$1,143	\$125,483	0.00255%				

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	\$2,502,778,699	\$11,409,331	19,102	\$11,310	\$5	\$2,297	0.000452%				
Winter Weather	\$20,961,777,747	\$63,753,853	95,308	\$14,867	\$30	\$57,550	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	95,308
Building value (total, not at risk)	\$20,961,789,246
Agriculture value (total, not at risk)	\$63,753,853
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$31,250,606
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)	\$1,945,751
Social vulnerability rating	Very Low
Community resilience rating	Relatively High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	1
Repetitive loss, NFIP insurance definition	6	Severe repetitive loss, NFIP insurance definition	1

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	0	1	6	1	6	0	2
of which: Thompson town	0	0	2	0	2	0	2
of which: Woodstock town	0	1	1	1	1	0	0
of which: Pomfret town	0	0	1	0	1	0	0
of which: Chaplin town	0	0	1	0	1	0	0
of which: Putnam town	0	0	1	0	1	0	0
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>
Ashford town	090165	0	0	0	0	0	0	0
Brooklyn town	090164	0	0	0	0	0	0	0
Canterbury town	090183	0	0	0	0	0	0	0
Chaplin town	090179	0	0	1	0	1	0	0
Eastford town	090115	0	0	0	0	0	0	0
Hampton town	090170	0	0	0	0	0	0	0
Killingly town	090136	0	0	0	0	0	0	0
Plainfield town	090116	0	0	0	0	0	0	0
Pomfret town	090163	0	0	1	0	1	0	0
Putnam town	090194	0	0	1	0	1	0	0

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>
Scotland town	090182	0	0	0	0	0	0	0
Sterling town	090118	0	0	0	0	0	0	0
Thompson town	090117	0	0	2	0	2	0	2
Union town	090190	0	0	0	0	0	0	0
Voluntown town	090143	0	0	0	0	0	0	0
Woodstock town	090120	0	1	1	1	1	0	0

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

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

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	0	1	4	1	4	0	1
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	2	0	2	0	1
not reported	0	0	0	0	0	0	0

FEMA's occupancy groups have no institutional class; institutional properties are counted in non-residential or other residential in the table by occupancy group.

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

Counts are aggregates of FEMA's public NFIP Multiple Loss Properties file (FEMA's data date 2026-08-02; file version 2026-08-04). No property is identified. County assignment is FEMA's geocode.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 6 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_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.

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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).

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Corrections: to report an error, name the packet, the table and what your records show. Contact: contact@hazardplain.org