

Merrimack County, NH

Risk-assessment baseline packet

County FIPS: 33013 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 (\$34,098,161 a year), Hurricane (\$4,498,593) and Tornado (\$1,908,557).

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; 33013 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. No county-level plan row in FEMA data, so there is no approval date to count from.

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

Plan status for every jurisdiction listed in this county: 27 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>
Concord city	City	Approved, expires 2029-05-05	Hazard Mitigation Plan Update 2023, City of Concord, New Hampshire (FEMA plan 108844)	2024-05-06	2029-05-05	948
Franklin city	City	Approved, expires 2029-06-09	City of Franklin, NH Hazard Mitigation Plan Update 2023 (FEMA plan 109344)	2024-06-10	2029-06-09	983
Allenstown town	Town	Expired on 2026-03-09	Town of Allenstown New Hampshire Hazard Mitigation Plan Update 2021 (FEMA plan 107290)	2021-03-10	2026-03-09	-205
Andover town	Town	Approved, expires 2030-07-28	Town of Andover, New Hampshire Hazard Mitigation Plan Update, 2025 (FEMA plan 110908)	2025-07-29	2030-07-28	1,397
Boscawen town	Town	Approved, expires 2030-10-13	Town of Boscawen New Hampshire, Hazard Mitigation Plan Update 2025 (FEMA plan 111182)	2025-10-14	2030-10-13	1,474
Bow town	Town	Approved, expires 2030-02-09	Town of Bow, New Hampshire Hazard Mitigation Plan Update 2018 (FEMA plan 110214)	2025-02-10	2030-02-09	1,228
Bradford town	Town	Approved, expires 2030-07-20	Town of Bradford, New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 110932)	2025-07-21	2030-07-20	1,389
Canterbury town	Town	Approved, expires 2028-04-17	Hazard Mitigation Plan Update 2022, Town of Canterbury, New Hampshire (FEMA plan 108846)	2023-04-18	2028-04-17	565
Chichester town	Town	Approved, expires 2030-12-14	Chichester, New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 111183)	2025-12-15	2030-12-14	1,536
Danbury town	Town	Expired on 2026-07-28	Town of Danbury Hazard Mitigation Plan Update 2021 (FEMA plan 107646)	2021-07-29	2026-07-28	-64
Dunbarton town	Town	Approved, expires 2028-04-17	Town of Dunbarton, N.H. Hazard Mitigation Plan Update (FEMA plan 108838)	2023-04-18	2028-04-17	565
Epsom town	Town	Approved, expires 2029-10-22	Town of Epsom, New Hampshire Hazard Mitigation Plan Update 2024 (FEMA plan 109950)	2024-10-23	2029-10-22	1,118
Henniker town	Town	Approved, expires 2030-06-22	Town of Henniker New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 110787)	2025-06-23	2030-06-22	1,361
Hill town	Town	Expired on 2026-01-26	Town of Hill New Hampshire Hazard Mitigation Plan Update 2020 (FEMA plan 107156)	2021-01-27	2026-01-26	-247
Hooksett town	Town	Approved, expires 2027-04-28	Town of Hooksett New Hampshire Hazard Mitigation Plan 2022 (FEMA plan 108275)	2022-04-29	2027-04-28	210
Hopkinton town	Town	Approved, expires 2029-09-15	Town of Hopkinton, New Hampshire Hazard Mitigation Plan Update 2024 (FEMA plan 109895)	2024-09-16	2029-09-15	1,081
Loudon town	Town	Approved, expires 2028-04-17	Hazard Mitigation Plan Update 2022, Town of Loudon, New Hampshire (FEMA plan 108855)	2023-04-18	2028-04-17	565
New London town	Town	Approved, expires 2030-11-17	Town of New London, New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 111156)	2025-11-18	2030-11-17	1,509
Newbury town	Town	Approved, expires 2029-07-17	Town of Newbury, New Hampshire Hazard Mitigation Plan Update 2024 (FEMA plan 109018)	2024-07-18	2029-07-17	1,021
Northfield town	Town	Expired on 2024-08-29	Town of Northfield New Hampshire Hazard Mitigation Plan Update 2019 (FEMA plan 105967)	2019-08-30	2024-08-29	-762

						Days to expiry <i>negative = days since expiry</i>
Jurisdiction	Type	Status	Plan	Approved	Expires	
Pembroke town	Town	Approved, expires 2027-02-24	Hazard Mitigation Plan Update 2022, Town of Pembroke, New Hampshire (FEMA plan 108133)	2022-02-25	2027-02-24	147
Pittsfield town	Town	Approved, expires 2028-04-17	Hazard Mitigation Plan Update 2023, Town of Pittsfield, New Hampshire (FEMA plan 108893)	2023-04-18	2028-04-17	565
Salisbury town	Town	Approved, expires 2030-07-09	Town of Salisbury New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 110935)	2025-07-10	2030-07-09	1,378
Sutton town	Town	Approved, expires 2030-07-24	Town of Sutton New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 110992)	2025-07-25	2030-07-24	1,393
Warner town	Town	Approved, expires 2029-12-18	Town of Warner New Hampshire Hazard Mitigation Plan Update 2024 (FEMA plan 110265)	2024-12-19	2029-12-18	1,175
Webster town	Town	Approved, expires 2031-02-04	Town of Webster, New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 111462)	2026-02-05	2031-02-04	1,588
Wilmot town	Town	Approved, expires 2030-05-18	Town of Wilmot, NH Hazard Mitigation Plan Update 2025 (FEMA plan 110575)	2025-05-19	2030-05-18	1,326

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	EAL agriculture	Cost of expected	EAL total (see	Storm Events	Storm Events coverage note
				<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>deaths and injuries FEMA's dollar value per year, not property damage</i>	<i>note) modeled dollars per year</i>	<i>records, 1996 to 2026-06-30 count</i>	
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$33,690,402	\$339,084	\$68,675	\$34,098,161	111	
2	Hurricane	Relatively Moderate	Relatively Moderate	\$4,129,582	\$201,014	\$167,997	\$4,498,593	2	
3	Tornado	Relatively Low	Relatively Low	\$773,959	\$521	\$1,134,076	\$1,908,557	4	

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
4	Earthquake	Relatively Low	Relatively Low	\$1,295,236	n/a	\$248,730	\$1,543,966		Storm Events does not record earthquakes.
5	Lightning	Relatively High	Relatively High	\$268,392	n/a	\$1,149,860	\$1,418,252	20	
6	Cold Wave	Relatively Low	Relatively Moderate	\$258	\$7,725	\$1,362,944	\$1,370,927	22	Includes 1 Frost/Freeze record (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
7	Heat Wave	Relatively Low	Relatively Low	\$1	\$25,141	\$1,154,228	\$1,179,370	3	
8	Ice Storm	Relatively High	Relatively High	\$1,037,146	n/a	\$109,674	\$1,146,820	3	
9	Strong Wind	Relatively Moderate	Relatively Moderate	\$110,756	\$1,351	\$636,071	\$748,178	250	Includes 18 High Wind and 31 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Drought	Relatively Low	Relatively Low	n/a	\$329,315	n/a	\$329,315	21	
11	Winter Weather	Relatively Moderate	Relatively High	\$96,946	\$32	\$171,497	\$268,476	184	
12	Hail	Relatively Low	Relatively Low	\$12,614	\$5,259	\$184,251	\$202,124	96	
13	Wildfire	Very Low	Very Low	\$21,385	\$4	\$2,969	\$24,357	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Landslide	Relatively Low	Relatively Low	\$15,631	n/a	\$6,989	\$22,620	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Avalanche	Very Low	Very Low	\$0	n/a	\$119	\$119	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 and landslide 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: coastal flooding, tsunami and volcanic activity. That is the evidence for leaving them out of the plan.

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 385 (Very Low, 17.8); tract 405.01 (Very Low, 17.1); tract 415 (Very Low, 16.8)
Earthquake	tract 329 (Relatively Low, 77.1); tract 441 (Relatively Low, 76.6); tract 325 (Relatively Low, 72.3)
Hurricane	tract 325 (Relatively Moderate, 85.4); tract 31 (Relatively Moderate, 84.2); tract 390 (Relatively Moderate, 83.9)
Landslide	tract 405.02 (Relatively Moderate, 96.6); tract 415 (Relatively Moderate, 96.4); tract 385 (Relatively Moderate, 95.8)
Tornado	tract 400 (Relatively Moderate, 60.7); tract 325 (Relatively Moderate, 58.3); tract 390 (Relatively Moderate, 57.8)
Wildfire	tract 310.01 (Relatively Low, 73.7); tract 300 (Relatively Low, 72.7); tract 390 (Relatively Low, 70.1)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 385 is Census Tract 385). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	0					
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	21 records, 1998 to 2023 (21 zone-level)	1 day to 6 days (median 2 days); 18 with a recorded value	6 consecutive days, 2000-01-13 to 2000-01-18, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2023 (1 zone-level)		No crop damage reported in 1 record.		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Drought	U.S. Drought Monitor scale (D0 to D4)	21 records, 1999 to 2026 (21 zone-level)	26 days to 212 days (median 61.5 days); 8 with a recorded value	212 days (7 months), 2025-11-01 to 2026-05-31, a run of 7 consecutive Storm Events drought records, zone-level	Drought, 2020-11-01, \$20,000 property; \$9,000,000 crops (zone total, 2020 dollars)	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)	101 records, 1962 to 2026	0.75 in to 2 in (median 1 in); 101 with a recorded value	2 in hail, 2026-06-26; same size also recorded on 2007-07-09	Hail, 2025-07-20, \$100 property; \$0 crops (2025 dollars)	Event records naming jurisdictions in the plan: Concord city (13 records), Franklin city (6 records), Henniker town (5 records), Canterbury town (4 records), Danbury town (4 records), Dunbarton town (4 records), Hopkinton town (4 records), Allenstown town (3 records), Andover town (3 records), Epsom town (3 records); and 10 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	3 records, 1998 to 2024 (3 zone-level)	2 days; 1 with a recorded value	2 consecutive days, 2024-06-19 to 2024-06-20, zone-level		Countywide (zone-level records).	Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	2 records, 2011 to 2020 (2 zone-level)		Strongest recorded: Tropical Storm record, 2020-08-04, \$5,000 property; crops not reported (2020 dollars); NWS zone NHZ008		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)	3 records, 1998 to 2008 (3 zone-level)		Ice Storm, 1998-01-07, \$3,660,000 property; crops not reported (1998 dollars); NWS zone NHZ008		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	111 records, 1996 to 2025 (9 zone-level)		Flash Flood, 1996-10-20, \$2,200,000 property; crops not reported (1996 dollars)		Event records naming jurisdictions in the plan: Concord city (4 records), Henniker town (4 records), Hooksett town (4 records), Pembroke town (4 records), Allenstown town (3 records), Danbury town (2 records), Epsom town (2 records), New London town (2 records), Pittsfield town (2 records), Andover town (1 record); and 8 more jurisdictions (see the Excel file). Zone-level records (9) 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)	20 records, 1997 to 2025		Lightning, 1997-07-09, \$3,000,000 property; crops not reported (1997 dollars)		Event records naming jurisdictions in the plan: Allenstown town (2 records), Franklin city (2 records), Hooksett town (2 records), Pittsfield town (2 records), Sutton town (2 records), Bradford town (1 record), Chichester town (1 record), Danbury town (1 record), Henniker town (1 record), Loudon town (1 record); and 4 more jurisdictions (see the Excel file).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	49 records, 1996 to 2017 (49 zone-level)	34 kt (39 mph) to 60 kt (69 mph) (median 50 kt (58 mph)); 21 with a recorded value	60 kt (69 mph), measurement type not recorded, High Wind, 1997-03-06, 1 direct injury (reported for the zone); NWS zone NHZ008	High Wind, 2012-10-29, \$106,000 property; \$0 crops (zone total, 2012 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	242 records, 1962 to 2026	50 kt (58 mph) to 78 kt (90 mph) (median 50 kt (58 mph)); 199 with a recorded value	78 kt (90 mph) estimated gust, Thunderstorm Wind, 2020-05-15	Thunderstorm Wind, 2022-07-21, \$10,000 property; \$0 crops (2022 dollars)	Event records naming jurisdictions in the plan: Franklin city (15 records), Concord city (14 records), Henniker town (12 records), Loudon town (12 records), Danbury town (10 records), Hopkinton town (10 records), Chichester town (7 records), Warner town (7 records), Hill town (6 records), Northfield town (6 records); and 17 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	7 records, 1967 to 2018	F/EF0 to F/EF2 (median F/EF1); 7 with a recorded value	EF2 tornado, 2008-07-24, 5.25 mi within this county, 880 yd wide, \$153,000 property; crops not reported (2008 dollars)		Event records naming jurisdictions in the plan: Pittsfield town (2 records), Epsom town (1 record), Warner 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).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	184 records, 1996 to 2026 (184 zone-level)		No damage reported in 184 records.		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 avalanche, debris flow and lightning.

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 29 declarations covering 23 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

No county-level plan row in FEMA data, so there is no approval date to count from.

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2020-04-03	2020-01-20	DR-4516-NH	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$201,082,551.58	
2020-03-13	2020-01-20	EM-3445-NH	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	same incident as DR-4516
2018-01-02	2017-10-29	DR-4355-NH	Major disaster	Severe Storm and Flooding	Inland Flooding	\$1,114,593.92	
2013-03-19	2013-02-08	DR-4105-NH	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$1,954,889.31	
2012-10-30	2012-10-26	EM-3360-NH	Emergency	Hurricane Sandy	Hurricane	\$80,091.20	
2011-11-01	2011-10-29	EM-3344-NH	Emergency	Severe Storm	Hazard not mapped (severe storm title names no single hazard); not counted	no Public Assistance recorded	
2011-09-03	2011-08-26	DR-4026-NH	Major disaster	Tropical Storm Irene	Hurricane	\$514,431.20	
2011-08-27	2011-08-26	EM-3333-NH	Emergency	Hurricane Irene	Hurricane	\$26,333.17	same incident as DR-4026
2010-03-29	2010-02-23	DR-1892-NH	Major disaster	Severe Winter Storm	Winter Weather	\$606,882.82	
2009-01-02	2008-12-11	DR-1812-NH	Major disaster	Severe Winter Storm	Ice Storm	\$3,020,006.31	
2008-12-13	2008-12-11	EM-3297-NH	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded	same incident as DR-1812
2008-10-03	2008-09-06	DR-1799-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$180,789.65	
2008-08-11	2008-07-24	DR-1782-NH	Major disaster	Severe Storms, Tornado, and Flooding	Inland Flooding; Tornado	\$125,683.33	
2007-04-27	2007-04-15	DR-1695-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$3,680,006.73	
2006-05-25	2006-05-12	DR-1643-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$3,948,305.76	
2005-10-26	2005-10-07	DR-1610-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$5,303,104.99	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Notes
						<i>federal share obligated, nominal dollars</i>	
2005-09-19	2005-08-29	EM-3258-NH	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded	
2005-03-30	2005-01-22	EM-3207-NH	Emergency	Record and/or Near Record Snow	Winter Weather	\$1,360,736.09	
2004-01-15	2003-12-06	EM-3193-NH	Emergency	Snow	Winter Weather	\$1,204,355.54	
2003-03-11	2003-02-17	EM-3177-NH	Emergency	Snow	Winter Weather	\$209,573.30	
2001-03-28	2001-03-05	EM-3166-NH	Emergency	Snow	Winter Weather	\$1,030,921.38	
1998-07-02	1998-06-12	DR-1231-NH	Major disaster	Severe Storms and Flooding	Inland Flooding; Winter Weather	no Public Assistance recorded	
1998-01-15	1998-01-07	DR-1199-NH	Major disaster	Severe Ice Storm, Rains and High Winds	Ice Storm; Strong Wind	no Public Assistance recorded	
1996-10-29	1996-10-20	DR-1144-NH	Major disaster	Fall Northeaster Rainstorm	Inland Flooding	no Public Assistance recorded	
1996-01-03	1995-10-20	DR-1077-NH	Major disaster	Excessive Rainfall, High Winds, and Flooding	Inland Flooding (primary); also designated: Strong Wind	no Public Assistance recorded	
1993-03-16	1993-03-13	EM-3101-NH	Emergency	Blizzards, High Winds & Record Snowfall	Winter Weather	no Public Assistance recorded	
1990-08-29	1990-08-07	DR-876-NH	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1987-04-16	1987-03-30	DR-789-NH	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1973-07-11	1973-07-11	DR-399-NH	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	

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

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1953-07-02	1953-07-02	DR-11-NH	Major disaster	Forest Fire	Wildfire

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.

Public Assistance filed under this county for declarations that do not list it: 33 rows, \$35,291,465.36

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-4812-NH	2024-08-20	Severe Storm and Flooding	NH Fish and Game Department	\$798,992.38
DR-4812-NH	2024-08-20	Severe Storm and Flooding	NH Department of Transportation (DOT)	\$528,762.95
DR-4771-NH	2024-04-19	Severe Storms and Flooding	NH Department of Transportation (DOT)	\$131,596.99

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4761-NH	2024-02-27	Severe Storm and Flooding	NH Fish and Game Department	\$250,222.50
DR-4761-NH	2024-02-27	Severe Storm and Flooding	NH Department of Transportation (DOT)	\$825,454.49
DR-4740-NH	2023-09-14	Severe Storms and Flooding	NH Department of Transportation (DOT)	\$1,314,105.08
DR-4693-NH	2023-03-15	Severe Storm and Flooding	NH Department of Transportation (DOT)	\$36,105.85
DR-4693-NH	2023-03-15	Severe Storm and Flooding	NH Department of Corrections (DOC)	\$19,401.23
DR-4624-NH	2021-10-04	Severe Storm and Flooding	NH Department of Transportation (DOT)	\$3,616,758.79
DR-4622-NH	2021-09-30	Severe Storm and Flooding	NH Department of Transportation (DOT)	\$16,176.03
DR-4457-NH	2019-08-15	Severe Storm and Flooding	NH Fish and Game Department	\$82,222.57
DR-4457-NH	2019-08-15	Severe Storm and Flooding	NH Department of Transportation (DOT)	\$1,498,868.29
DR-4371-NH	2018-06-08	Severe Winter Storm and Snowstorm	NH Department of Transportation (DOT)	\$596,700.56
DR-4370-NH	2018-06-08	Severe Storm and Flooding	NH Department of Transportation (DOT)	\$19,050,013.74
DR-4329-NH	2017-08-09	Severe Storms and Flooding	NH Fish and Game Department	\$7,381.85
DR-4329-NH	2017-08-09	Severe Storms and Flooding	NH Department of Transportation (DOT)	\$1,875,952.82
DR-4316-NH	2017-06-01	Severe Winter Storm	NH Department of Transportation (DOT)	\$72,018.33
DR-4209-NH	2015-03-25	Severe Winter Storm and Snowstorm	NH Department of Transportation (DOT)	\$636,094.51
DR-4139-NH	2013-08-02	Severe Storms, Tornadoes, and Flooding	NH Department of Transportation (DOT)	\$191,695.79
DR-4095-NH	2012-11-28	Hurricane Sandy	NH Fish and Game Department	\$1,110.75
DR-4095-NH	2012-11-28	Hurricane Sandy	NH Department of Transportation (DOT)	\$149,655.82
DR-4049-NH	2011-12-05	Severe Storm and Snowstorm	NH Fish and Game Department	\$3,601.62
DR-4049-NH	2011-12-05	Severe Storm and Snowstorm	NH Department of Transportation (DOT)	\$226,261.55
DR-4049-NH	2011-12-05	Severe Storm and Snowstorm	NH Department of Health and Human Services (DHHS)	\$2,750.03
DR-4006-NH	2011-07-22	Severe Storms and Flooding	NH Department of Transportation (DOT)	\$771,932.91
DR-1913-NH	2010-05-12	Severe Storms and Flooding	NH Department of Transportation (DOT)	\$29,821.53
DR-1913-NH	2010-05-12	Severe Storms and Flooding	NH Department of Health and Human Services (DHHS)	\$1,885.73
DR-1787-NH	2008-09-05	Severe Storms and Flooding	NH Fish and Game Department	\$37,579.61
DR-1787-NH	2008-09-05	Severe Storms and Flooding	NH Department of Transportation (DOT)	\$1,408,841.01
EM-3211-NH	2005-04-28	Record Snow	NH Department of Transportation (DOT)	\$602,177.51
EM-3208-NH	2005-03-30	Record Snow	NH Department of Transportation (DOT)	\$497,312.29
DR-1489-NH	2003-09-12	Severe Storms and Flooding	NH Department of Transportation (DOT)	\$5,512.50
DR-1305-NH	1999-10-18	Tropical Storm Floyd	NH Department of Transportation (DOT)	\$4,497.75

FEMA's Public Assistance summaries file these applicants under this county, but FEMA's declaration rows for these disasters do not designate it (an electric cooperative or district serving several counties, for example). Not in any declaration row above and not counted.

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
Avalanche	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	22			2	0		1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	21			8	0		1996 to 2026-06-30	
Earthquake	0			0	0			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	101			21	0		1955 to 2026-06-30	
Heat Wave	3			1	0		1996 to 2026-06-30	
Hurricane	2			0	2		1996 to 2026-06-30	
Ice Storm	3			0	2		1996 to 2026-06-30	
Inland Flooding	111			19	12		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	20			2	0		1996 to 2026-06-30	
Strong Wind	291			31	2		1955 to 2026-06-30	Includes 18 High Wind and 31 Strong Wind records.
Tornado	7			0	1		1950 to 2026-06-30	
Wildfire	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	184			20	9		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
2024-06-19	Excessive Heat		\$0 property; \$0 crops (zone total, 2024 dollars)	0, 0	NWS zone NHZ008 (MERRIMACK), zone-level	within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2020-08-04	Tropical Storm		\$5,000 property; crops not reported (zone total, 2020 dollars)	0, 0	NWS zone NHZ008 (MERRIMACK), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2020-05-15	Thunderstorm Wind	78 kt (90 mph) estimated gust	damage not reported	0, 0	WILMOT FLAT		B1-c worst recorded: Thunderstorm Wind
2008-07-24	Tornado	EF2, 5.25 mi within this county, 880 yd wide	\$153,000 property; crops not reported (2008 dollars)	0, 0	EPSOM to PITTSFIELD		B1-c worst recorded: Tornado
2000-01-13	Extreme Cold/Wind Chill		damage not reported	0, 0	NWS zone NHZ008 (MERRIMACK), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1999-03-07	Strong Wind	speed not recorded	damage not reported	1, 1	NWS zone NHZ008 (MERRIMACK), zone-level		deaths or injuries recorded
1998-01-07	Ice Storm		\$3,660,000 property; crops not reported (zone total, 1998 dollars)	0, 0	NWS zone NHZ008 (MERRIMACK), zone-level		B1-c worst recorded: Ice Storm
1997-07-09	Lightning		\$3,000,000 property; crops not reported (1997 dollars)	0, 0	BRADFORD		B1-c worst recorded: Lightning
1997-03-06	High Wind	60 kt (69 mph), measurement type not recorded	damage not reported	0, 1	NWS zone NHZ008 (MERRIMACK), zone-level		B1-c worst recorded: High Wind and Strong Wind
1996-10-20	Flash Flood		\$2,200,000 property; crops not reported (1996 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1994-08-21	Thunderstorm Wind	speed not recorded	damage not recorded (pre-1996 record)	1, 0	location not recorded		deaths or injuries recorded
1976-08-15	Tornado	F1, 33 yd wide	damage not recorded (pre-1996 record)	0, 5	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (765 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).

FEMA's declaration data list no tribal or special-area declarations for this state.

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Cold Wave	1.74	event-days per year	about 1.74 days per year	Likely	Storm Events event-days in 8 of 30 years, 1996 to 2025 (26.7%)	33	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	2.15	event-days per year	about 2.15 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	154	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00165	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.165%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.12	events per year	about 2.12 per year	Highly likely	FEMA annualized frequency (modeled)	80.7 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	3.42	event-days per year	about 3.42 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	62.1	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0865	events per year	about 1 in 12 years	Possible	FEMA annualized frequency (modeled)	32	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	1.84	event-days per year	about 1.84 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	124	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.61	event-days per year	about 2.61 days per year	Likely	Storm Events event-days in 26 of 30 years, 1996 to 2025 (86.7%)	73	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	1.29	events per year (modeled)	about 1.29 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	20.6	days per year with a strike	about 20.6 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.913	events per year	about 0.91 per year	Likely	FEMA annualized frequency (modeled)	35	1986 to 2023 (38 years)	countywide	
Tornado	0.129	events per year	about 1 in 8 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.0000254	annual probability at a location	chance a given location in the county burns in a year: 0.00254%		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	19.1	event-days per year	about 19.1 days per year	Highly likely	Storm Events event-days in 30 of 30 years, 1996 to 2025 (100%)	363	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	52	30	1.73
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	187	30	6.23
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	7	30	0.233
Tornado	EF0-1	1996 to 2025	3	30	0.1
Tornado	EF2-3	1996 to 2025	1	30	0.0333
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	
Avalanche	4 of 39	15.6	17.0	17.8	Very Low 4, Not Applicable 35
Cold Wave	39 of 39	23.5	38.0	55.9	Relatively Moderate 6, Relatively Low 33
Drought	22 of 39	76.7	87.7	93.4	Relatively Moderate 2, Relatively Low 19, Very Low 1, No Rating 17
Earthquake	39 of 39	18.5	49.9	77.1	Relatively Low 28, Very Low 11
Hail	39 of 39	24.2	41.7	57.4	Relatively Low 31, Very Low 8
Heat Wave	39 of 39	9.7	36.4	62.2	Relatively Moderate 1, Relatively Low 36, Very Low 2
Hurricane	39 of 39	53.2	77.0	85.4	Relatively Moderate 12, Relatively Low 27
Ice Storm	39 of 39	44.4	86.6	94.7	Relatively High 8, Relatively Moderate 30, Relatively Low 1
Inland Flooding	39 of 39	18.8	56.3	92.6	Relatively High 9, Relatively Moderate 16, Relatively Low 14
Landslide	39 of 39	19.0	82.0	96.6	Relatively Moderate 3, Relatively Low 18, Very Low 18
Lightning	39 of 39	40.9	81.2	95.2	Relatively High 27, Relatively Moderate 11, Relatively Low 1
Strong Wind	39 of 39	21.0	48.6	73.8	Relatively Moderate 12, Relatively Low 27
Tornado	39 of 39	20.0	41.4	60.7	Relatively Moderate 4, Relatively Low 33, Very Low 2
Wildfire	39 of 39	18.5	56.6	73.7	Relatively Low 4, Very Low 35
Winter Weather	39 of 39	38.4	70.5	84.5	Relatively High 7, Relatively Moderate 31, Relatively Low 1

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

Rated tracts only: No Rating (score 0.0), Not Applicable and Insufficient Data tracts are counted but not used for the minimum, median and maximum.

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, drought, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are (crop and livestock value where a line above names agriculture).

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Concord city	City	Approved, expires 2029-05-05	FMA RL 0, SRL 0; any 2	\$1,164,226.34	31 total; 1 since its plan	Includes \$280,783.63 for declarations not counted as hazard incidents (DR-4516-NH).
Franklin city	City	Approved, expires 2029-06-09	FMA RL 0, SRL 0; any 0	\$277,160.55	24 total; 0 since its plan	Includes \$77,400.73 for declarations not counted as hazard incidents (DR-4516-NH).
Allenstown town	Town	Expired on 2026-03-09	FMA RL 6, SRL 3; any 18	\$207,299.48	12 total; 1 since its plan	
Andover town	Town	Approved, expires 2030-07-28	FMA RL 0, SRL 0; any 0	\$569,923.51	9 total; 0 since its plan	Includes \$5,668 for declarations not counted as hazard incidents (DR-4516-NH).
Boscawen town	Town	Approved, expires 2030-10-13	FMA RL 0, SRL 0; any 0	\$44,712.27	2 total; 0 since its plan	Includes \$11,776.17 for declarations not counted as hazard incidents (DR-4516-NH).
Bow town	Town	Approved, expires 2030-02-09	FMA RL 0, SRL 0; any 1	\$579,886.51	1 total; 0 since its plan	Includes \$58,880.02 for declarations not counted as hazard incidents (DR-4516-NH).
Bradford town	Town	Approved, expires 2030-07-20	FMA RL 0, SRL 0; any 4	\$657,866.15	6 total; 0 since its plan	
Canterbury town	Town	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$190,597.61	7 total; 0 since its plan	
Chichester town	Town	Approved, expires 2030-12-14	FMA RL 0, SRL 0; any 0	\$182,885.09	9 total; 0 since its plan	
Danbury town	Town	Expired on 2026-07-28	FMA RL 0, SRL 0; any 1	\$151,131.20	17 total; 5 since its plan	
Dunbarton town	Town	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$112,040.96	9 total; 1 since its plan	
Epsom town	Town	Approved, expires 2029-10-22	FMA RL 0, SRL 1; any 4	\$1,160,876.21	11 total; 0 since its plan	Includes \$50,546.95 for declarations not counted as hazard incidents (DR-4516-NH).
Henniker town	Town	Approved, expires 2030-06-22	FMA RL 0, SRL 0; any 0	\$481,466.21	22 total; 0 since its plan	
Hill town	Town	Expired on 2026-01-26	FMA RL 0, SRL 0; any 0	\$73,441.33	10 total; 2 since its plan	
Hooksett town	Town	Approved, expires 2027-04-28	FMA RL 0, SRL 1; any 4	\$1,025,426.89	11 total; 2 since its plan	Includes \$492,321.98 for declarations not counted as hazard incidents (DR-4516-NH).
Hopkinton town	Town	Approved, expires 2029-09-15	FMA RL 0, SRL 0; any 0	\$227,452.39	14 total; 2 since its plan	
Loudon town	Town	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 0	\$798,868.82	16 total; 0 since its plan	
New London town	Town	Approved, expires 2030-11-17	FMA RL 0, SRL 0; any 0	\$263,632.29	7 total; 0 since its plan	Includes \$12,838.88 for declarations not counted as hazard incidents (DR-4516-NH).

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Newbury town	Town	Approved, expires 2029-07-17	FMA RL 0, SRL 0; any 0	\$423,972.04	5 total; 0 since its plan	Includes \$18,957.18 for declarations not counted as hazard incidents (DR-4516-NH).
Northfield town	Town	Expired on 2024-08-29	FMA RL 0, SRL 0; any 0	\$147,227.76	11 total; 3 since its plan	
Pembroke town	Town	Approved, expires 2027-02-24	FMA RL 1, SRL 1; any 7	\$290,265.12	12 total; 2 since its plan	
Pittsfield town	Town	Approved, expires 2028-04-17	FMA RL 0, SRL 0; any 3	\$233,396.89	9 total; 0 since its plan	
Salisbury town	Town	Approved, expires 2030-07-09	FMA RL 0, SRL 0; any 0	\$140,272.09	3 total; 0 since its plan	
Sutton town	Town	Approved, expires 2030-07-24	FMA RL 0, SRL 0; any 0	\$294,116.96	4 total; 0 since its plan	
Warner town	Town	Approved, expires 2029-12-18	FMA RL 0, SRL 0; any 1	\$606,859.80	10 total; 1 since its plan	
Webster town	Town	Approved, expires 2031-02-04	FMA RL 0, SRL 0; any 0	\$178,030.86	2 total; 0 since its plan	
Wilmot town	Town	Approved, expires 2030-05-18	FMA RL 0, SRL 0; any 0	\$576,866.44	5 total; 0 since its plan	

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

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

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

Local data needed

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

No county-level plan row in FEMA data, so there is no approval date to count from.

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since plan <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche	\$0	n/a	under 1	\$0	n/a	\$119					building exposure is 0 in NRI
Cold Wave	\$30,779,205,627	\$63,536,002	153,727	\$258	\$7,725	\$1,362,944	under 0.0001%				
Drought	n/a	\$25,332,665	n/a	n/a	\$329,315	n/a	1.3% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$54,206,951,475	n/a	153,808	\$1,295,236	n/a	\$248,730	0.00239%				
Hail	\$30,779,205,627	\$63,536,002	153,727	\$12,614	\$5,259	\$184,251	under 0.0001%				
Heat Wave	\$30,779,205,627	\$63,536,002	153,727	\$1	\$25,141	\$1,154,228	under 0.0001%				
Hurricane	\$30,777,471,077	\$63,536,002	153,719	\$4,129,582	\$201,014	\$167,997	0.0134%				
Ice Storm	\$30,754,526,567	n/a	153,592	\$1,037,146	n/a	\$109,674	0.00337%				
Inland Flooding	\$30,678,750,271	\$22,410,759	3,152	\$33,690,402	\$339,084	\$68,675	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	\$1,114,329,406	n/a	5,440	\$15,631	n/a	\$6,989	0.0014%				
Lightning	\$30,779,205,627	n/a	153,727	\$268,392	n/a	\$1,149,860	0.000872%				
Strong Wind	\$30,779,205,627	\$63,536,002	153,727	\$110,756	\$1,351	\$636,071	0.00036%				
Tornado	\$30,779,205,627	\$63,536,002	153,727	\$773,959	\$521	\$1,134,076	0.00251%				

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
Wildfire	\$9,751,920,600	\$19,784,556	54,132	\$21,385	\$4	\$2,969	0.000219%				
Winter Weather	\$30,779,205,627	\$63,536,002	153,727	\$96,946	\$32	\$171,497	0.000315%				

Totals since the plan: not available. No county-level plan row in FEMA data, so there is no approval date to count from.

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	153,727
Building value (total, not at risk)	\$30,779,205,627
Agriculture value (total, not at risk)	\$63,536,002
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$42,361,753
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)	\$6,398,081
Social vulnerability rating	Very Low
Community resilience rating	Very 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)	7	Severe repetitive loss, FMA definition (44 CFR 77.2)	6
Repetitive loss, NFIP insurance definition	38	Severe repetitive loss, NFIP insurance definition	2

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

Repeat-flood properties: county total and NFIP communities

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	7	6	38	2	45	7	5
of which: Allentown town	6	3	13	1	18	5	1
of which: Bradford town	0	0	4	0	4	0	2
of which: Bow town	0	0	1	0	1	0	1
of which: Concord city	0	0	2	0	2	0	0
of which: Danbury town	0	0	1	0	1	0	0
of which: Epsom town	0	1	3	0	4	1	0
of which: Hooksett town	0	1	4	1	4	0	0
of which: Pembroke town	1	1	6	0	7	1	1
of which: Pittsfield town	0	0	3	0	3	0	0
of which: Warner town	0	0	1	0	1	0	0

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>
Concord city	330110	0	0	2	0	2	0	0
Franklin city	330113	0	0	0	0	0	0	0
Allentown town	330103	6	3	13	1	18	5	1
Andover town	330104	0	0	0	0	0	0	0
Boscawen town	330105	0	0	0	0	0	0	0
Bow town	330107	0	0	1	0	1	0	1
Bradford town	330106	0	0	4	0	4	0	2

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>
Canterbury town	330108	0	0	0	0	0	0	0
Chichester town	330109	0	0	0	0	0	0	0
Danbury town	330111	0	0	1	0	1	0	0
Dunbarton town	330202	0	0	0	0	0	0	0
Epsom town	330112	0	1	3	0	4	1	0
Henniker town	330114	0	0	0	0	0	0	0
Hill town	330214	0	0	0	0	0	0	0
Hooksett town	330115	0	1	4	1	4	0	0
Hopkinton town	330116	0	0	0	0	0	0	0
Loudon town	330117	0	0	0	0	0	0	0
New London town	330230	0	0	0	0	0	0	0
Newbury town	330226	0	0	0	0	0	0	0
Northfield town	330118	0	0	0	0	0	0	0
Pembroke town	330119	1	1	6	0	7	1	1
Pittsfield town	330120	0	0	3	0	3	0	0
Salisbury town	330121	0	0	0	0	0	0	0
Sutton town	330122	0	0	0	0	0	0	0
Warner town	330123	0	0	1	0	1	0	0
Webster town	330236	0	0	0	0	0	0	0
Wilmot town	330124	0	0	0	0	0	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	7	5	33	1	40	7	4
2 to 4 unit residential	0	0	2	0	2	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	1	3	1	3	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 6 properties are FMA repetitive loss but not NFIP repetitive loss, and 37 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.

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Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Merrimack County, NH: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 33013). Automated baseline. <https://hazardplain.org/nh/33013/> 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