

Rockingham County, NH

Risk-assessment baseline packet

County FIPS: 33015 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 (\$53,966,777 a year), Coastal Flooding (\$12,086,008) and Earthquake (\$5,495,160).

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; 33015 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: 37 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>	Update underway	Notes
Portsmouth city	City	Approved, expires 2029-08-20	City of Portsmouth, NH Hazard Mitigation Plan Update 2024 (FEMA plan 110000)	2024-08-21	2029-08-20	1,055		
Atkinson town	Town	Approved, expires 2030-05-28	Town of Atkinson, NH Natural Hazard Mitigation Plan Update 2024 (FEMA plan 110495)	2025-05-29	2030-05-28	1,336		
Auburn town	Town	Approved, expires 2030-07-28	Town of Auburn, New Hampshire Hazard Mitigation Plan 2025 (FEMA plan 110954)	2025-07-29	2030-07-28	1,397		
Brentwood town	Town	Approved, expires 2029-03-14	Brentwood Hazard Mitigation Plan Update 2023 (FEMA plan 109011)	2024-03-15	2029-03-14	896		
Candia town	Town	Approved, expires 2029-04-25	Town of Candia, NH Hazard Mitigation Plan Update 2023 (FEMA plan 109016)	2024-04-26	2029-04-25	938		
Chester town	Town	Approved, expires 2029-04-02	Chester, NH Hazard Mitigation Plan Update 2024 (FEMA plan 109351)	2024-04-03	2029-04-02	915		
Danville town	Town	Approved, expires 2029-03-20	Danville, NH Hazard Mitigation Plan Update 2024 (FEMA plan 109349)	2024-03-21	2029-03-20	902		
Deerfield town	Town	Approved, expires 2030-11-12	Town of Deerfield, New Hampshire Hazard Mitigation Plan 2025 Update (FEMA plan 111006)	2025-11-13	2030-11-12	1,504		
Derry town	Town	Approved, expires 2031-03-31	Town of Derry, NH Hazard Mitigation Plan 2025 (FEMA plan 111454)	2026-04-01	2031-03-31	1,643		
East Kingston town	Town	Expired on 2026-07-18	East Kingston Hazard Mitigation Plan Update 2021 (FEMA plan 107635)	2021-07-19	2026-07-18	-74		
Epping town	Town	Approved, expires 2029-08-20	Town of Epping, NH Natural Hazard Mitigation Plan Update 2023 (FEMA plan 109348)	2024-08-21	2029-08-20	1,055		
Exeter town	Town	Approved, expires 2030-02-09	Town of Exeter, NH Natural Hazard Mitigation Plan Update 2024 (FEMA plan 110198)	2025-02-10	2030-02-09	1,228		
Fremont town	Town	Approved, expires 2027-06-26	Town of Fremont, NH Hazard Mitigation Plan Update 2022 (FEMA plan 108381)	2022-06-27	2027-06-26	269		
Greenland town	Town	Approved, expires 2028-03-29	Greenland, NH Hazard Mitigation Plan Update (FEMA plan 108832)	2023-03-30	2028-03-29	546		
Hampstead town	Town	Approved, expires 2029-07-17	Town of Hampstead, NH Hazard Mitigation Plan Update 2023 (FEMA plan 109347)	2024-07-18	2029-07-17	1,021		
Hampton Falls town	Town	Approved, expires 2030-04-15	Hampton Falls, NH Hazard Mitigation Plan Update 2024 (FEMA plan 110202)	2025-04-16	2030-04-15	1,293		
Hampton town	Town	Approved, expires 2029-04-16	Hampton, NH Hazard Mitigation Plan Update 2023 (FEMA plan 109243)	2024-04-17	2029-04-16	929		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Kensington town	Town	Expired on 2026-01-04	Kensington Hazard Mitigation Plan Update 2020 (FEMA plan 107088)	2021-01-05	2026-01-04	-269	FEMA tracker shows a plan in review	adoptionDate 2014-04-07 is more than 5 years from this plan's approval 2021-01-05; it likely belongs to an earlier plan
Kingston town	Town	Approved, expires 2029-12-01	Kingston, NH Hazard Mitigation Plan Update 2024 (FEMA plan 110204)	2024-12-02	2029-12-01	1,158		
Londonderry town	Town	Approved, expires 2030-05-19	Town of Londonderry, New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 110529)	2025-05-20	2030-05-19	1,327		
New Castle town	Town	Approved, expires 2027-02-07	Town of New Castle, NH Hazard Mitigation Plan Update 2022 (FEMA plan 108127)	2022-02-08	2027-02-07	130		
Newfields town	Town	Expired on 2020-12-20	Town of Newfields New Hampshire 2015 Hazards Mitigation Plan (FEMA plan 101710)	2015-12-21	2020-12-20	-2,110		
Newington town	Town	Approved, expires 2030-01-05	Town of Newington, NH Hazard Mitigation Plan Update 2024 (FEMA plan 110164)	2025-01-06	2030-01-05	1,193		
Newmarket town	Town	Approved, expires 2031-04-15	Multi-Hazard Mitigation Plan Update, Town of Newmarket, NH, 2025 (FEMA plan 111411)	2026-04-16	2031-04-15	1,658		
Newton town	Town	Approved, expires 2027-06-13	Town of Newton, NH Hazard Mitigation Plan Update 2022 (FEMA plan 108343)	2022-06-14	2027-06-13	256		
North Hampton town	Town	Approved, expires 2029-12-05	Town of North Hampton, NH Hazard Mitigation Plan Update 2024 (FEMA plan 110175)	2024-12-06	2029-12-05	1,162		
Northwood town	Town	Approved, expires 2030-06-25	Multi-Hazard Mitigation Plan Update Town of Northwood, NH 2025 (FEMA plan 110864)	2025-06-26	2030-06-25	1,364		
Nottingham town	Town	Approved, expires 2029-12-05	Multi-Hazard Mitigation Plan Update 2024, Town of Nottingham, NH (FEMA plan 110124)	2024-12-06	2029-12-05	1,162		
Plaistow town	Town	Approved, expires 2031-06-09	Plaistow, NH Hazard Mitigation Plan Update 2026 (FEMA plan 111729)	2026-06-10	2031-06-09	1,713		
Raymond town	Town	Approved, expires 2027-03-03	Town of Raymond, NH Natural Hazard Mitigation Plan Update 2022 (FEMA plan 108144)	2022-03-04	2027-03-03	154		
Rye town	Town	Approved, expires 2027-06-14	Town of Rye, NH Hazard Mitigation Plan Update 2022 (FEMA plan 108347)	2022-06-15	2027-06-14	257		
Salem town	Town	Approved, expires 2030-05-18	Salem, NH Hazard Mitigation Plan Update 2025 (FEMA plan 110625)	2025-05-19	2030-05-18	1,326		
Sandown town	Town	Expired on 2026-09-27	Town of Sandown, NH Natural Hazard Mitigation Plan Update 2021 (FEMA plan 107775)	2021-09-28	2026-09-27	-3		
Seabrook town	Town	Approved, expires 2030-07-20	Town of Seabrook, NH Natural Hazard Mitigation Plan Update 2025 (FEMA plan 110858)	2025-07-21	2030-07-20	1,389		
South Hampton town	Town	Approved, expires 2030-09-03	Town of South Hampton, NH Hazard Mitigation Plan Update 2025 (FEMA plan 110936)	2025-09-04	2030-09-03	1,434		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Stratham town	Town	Expired on 2026-06-01	Stratham Hazard Mitigation Plan Update 2021 (FEMA plan 107557)	2021-06-02	2026-06-01	-121		
Windham town	Town	Approved, expires 2030-10-08	Town of Windham, New Hampshire Hazard Mitigation Plan Update 2025 (FEMA plan 110997)	2025-10-09	2030-10-08	1,469		

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	\$53,845,820	\$4,987	\$115,970	\$53,966,777	40	
2	Coastal Flooding	Relatively High	Very High	\$12,071,901	n/a	\$14,101	\$12,086,008	67	
3	Earthquake	Relatively Low	Relatively Moderate	\$4,601,565	n/a	\$893,595	\$5,495,160		Storm Events does not record earthquakes.
4	Hurricane	Relatively Moderate	Relatively Moderate	\$4,639,246	\$185,311	\$149,747	\$4,974,303	3	
5	Tornado	Relatively Moderate	Relatively Moderate	\$459,572	\$277	\$3,953,268	\$4,413,116	2	
6	Cold Wave	Relatively Low	Relatively Moderate	\$960	\$3,152	\$1,927,696	\$1,931,808	21	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	Ice Storm	Relatively High	Relatively High	\$1,503,555	n/a	\$106,250	\$1,609,804	3	

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
8	Strong Wind	Relatively Moderate	Relatively Moderate	\$419,032	\$1	\$1,174,282	\$1,593,315	286	Includes 25 High Wind and 34 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
9	Drought	Relatively Moderate	Relatively Moderate	n/a	\$1,191,166	n/a	\$1,191,166	23	
10	Heat Wave	Relatively Low	Relatively Low	\$1	\$3,593	\$1,112,238	\$1,115,833	3	
11	Lightning	Relatively Moderate	Relatively High	\$128,280	n/a	\$782,423	\$910,702	56	
12	Hail	Relatively Low	Relatively Low	\$18,808	\$179	\$207,129	\$226,116	160	
13	Winter Weather	Relatively Moderate	Relatively Moderate	\$15,773	\$15	\$153,009	\$168,796	181	
14	Wildfire	Very Low	Very Low	\$54,568	\$4	\$9,349	\$63,922	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Landslide	Relatively Low	Relatively Low	\$8,697	n/a	\$2,184	\$10,881	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
16	Avalanche	Very Low	Very Low	\$0	n/a	\$3	\$3	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	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: 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>
Avalanche	tract 580 (Very Low, 1.7)
Earthquake	tract 691 (Relatively Moderate, 80.0); tract 1003.01 (Relatively Moderate, 80.0); tract 1004.01 (Relatively Moderate, 78.8)
Hurricane	tract 670 (Relatively Moderate, 81.1); tract 650.10 (Relatively Moderate, 79.5); tract 630.01 (Relatively Low, 78.0)
Landslide	tract 580 (Relatively Low, 93.0); tract 570 (Relatively Low, 92.6); tract 560 (Relatively Low, 92.4)
Tornado	tract 1051 (Relatively Moderate, 58.0); tract 610.01 (Relatively Moderate, 57.4); tract 35 (Relatively Moderate, 55.6)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 600 (Relatively Low, 78.0); tract 510 (Relatively Low, 77.1); tract 40 (Relatively Low, 76.6)

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 580 is Census Tract 580). 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					
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	67 records, 1996 to 2024 (61 zone-level)		Coastal Flood, 2024-01-13, \$30,000,000 property; \$0 crops (2024 dollars); NWS zone NHZ014		Event records naming jurisdictions in the plan: Hampton town (2 records). Zone-level records (61) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	20 records, 1998 to 2023 (20 zone-level)	1 day to 6 days (median 2 days); 17 with a recorded value	6 consecutive days, 2000-01-13 to 2000-01-18, zone-level		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
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).	
Drought	U.S. Drought Monitor scale (D0 to D4)	23 records, 1999 to 2026 (23 zone-level)	26 days to 122 days (median 76 days); 10 with a recorded value	122 days (4 months), 2026-03-01 to 2026-06-30, a run of 4 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)	170 records, 1963 to 2026	0.75 in to 2 in (median 1 in); 170 with a recorded value	2 in hail, 2014-07-03; same size also recorded on 2006-07-11		Event records naming jurisdictions in the plan: Derry town (13 records), Londonderry town (10 records), Raymond town (10 records), Windham town (7 records), Auburn town (6 records), East Kingston town (6 records), Exeter town (6 records), Fremont town (6 records), Greenland town (6 records), Atkinson town (5 records); and 21 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	3 records, 1996 to 2020 (3 zone-level)		Strongest recorded: Hurricane record (NOAA event type 'Hurricane (Typhoon)'), 1996-09-02, damage not reported; NWS zone NHZ014		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, 2008-12-11, \$1,620,000 property; \$0 crops (2008 dollars); NWS zone NHZ013		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	40 records, 1996 to 2024 (7 zone-level)		Flash Flood, 1996-10-20, \$4,800,000 property; crops not reported (1996 dollars)		Event records naming jurisdictions in the plan: Newmarket town (6 records), New Castle town (5 records), Deerfield town (2 records), Exeter town (2 records), Auburn town (1 record), Danville town (1 record), Derry town (1 record), Epping town (1 record), Kensington town (1 record), Londonderry town (1 record); and 7 more jurisdictions (see the Excel file). Zone-level records (7) 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)	56 records, 1996 to 2010		Lightning, 2007-05-10, \$500,000 property; \$0 crops (2007 dollars)		Event records naming jurisdictions in the plan: Kingston town (5 records), Portsmouth city (5 records), Exeter town (4 records), Salem town (4 records), Auburn town (3 records), Londonderry town (3 records), North Hampton town (3 records), Stratham town (3 records), Greenland town (2 records), Hampton town (2 records); and 17 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)	59 records, 1996 to 2023 (59 zone-level)	32 kt (37 mph) to 61 kt (70 mph) (median 50 kt (58 mph)); 27 with a recorded value	61 kt (70 mph) estimated gust, High Wind, 2017-10-30; NWS zone NHZ013	Strong Wind, 2006-10-29, \$8,000,000 property; \$0 crops (zone total, 2006 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	264 records, 1958 to 2026	50 kt (58 mph) to 97 kt (112 mph) (median 50 kt (58 mph)); 230 with a recorded value	97 kt (112 mph) measured, Thunderstorm Wind, 2001-08-10	Thunderstorm Wind, 1994-08-13, \$50,000 property; crops not recorded (1994 dollars)	Event records naming jurisdictions in the plan: Portsmouth city (11 records), Deerfield town (10 records), Londonderry town (9 records), Chester town (8 records), Greenland town (8 records), Raymond town (8 records), Stratham town (8 records), Derry town (7 records), Epping town (7 records), Auburn town (6 records); and 23 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	10 records, 1951 to 2008	F/EF0 to F/EF3 (median F/EF2); 10 with a recorded value	F3 tornado, 1953-06-09, 1.5 mi path length (whole path, pre-1996), 100 yd wide, \$25,000 property; crops not recorded (1953 dollars), 5 direct injuries	Tornado, 2008-07-24, \$840,000 property; crops not reported (2008 dollars)	Event records naming jurisdictions in the plan: Hampton Falls 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)	181 records, 1996 to 2026 (181 zone-level)		No damage reported in 181 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, 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: 35 declarations covering 29 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>	Flags	Notes
2024-07-10	2024-04-03	DR-4799-NH	Major disaster	Severe Winter Storm and Flooding	Winter Weather (primary); also designated: Inland Flooding	\$328,350.81	within last 5 years	
2024-04-19	2024-01-09	DR-4771-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$1,262,129.83	within last 5 years	
2023-09-14	2023-07-09	DR-4740-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$658,649.21	within last 5 years	
2020-04-03	2020-01-20	DR-4516-NH	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$11,141,525.20		
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
2018-06-08	2018-03-13	DR-4371-NH	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$1,180,700.15		
2018-06-08	2018-03-02	DR-4370-NH	Major disaster	Severe Storm and Flooding	Coastal Flooding	\$352,360.13		
2015-03-25	2015-01-26	DR-4209-NH	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$1,973,521.94		
2013-03-19	2013-02-08	DR-4105-NH	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$1,535,170.04		
2012-11-28	2012-10-26	DR-4095-NH	Major disaster	Hurricane Sandy	Hurricane	\$109,175.57		
2012-10-30	2012-10-26	EM-3360-NH	Emergency	Hurricane Sandy	Hurricane	\$244,479.85		same incident as DR-4095
2011-12-05	2011-10-29	DR-4049-NH	Major disaster	Severe Storm and Snowstorm	Winter Weather	\$680,047.67		
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		same incident as DR-4049
2011-08-27	2011-08-26	EM-3333-NH	Emergency	Hurricane Irene	Hurricane	\$158,717.78		
2010-05-12	2010-03-14	DR-1913-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$670,308.91		
2010-03-29	2010-02-23	DR-1892-NH	Major disaster	Severe Winter Storm	Winter Weather	\$1,706,567.76		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2009-01-02	2008-12-11	DR-1812-NH	Major disaster	Severe Winter Storm	Ice Storm	\$3,596,817.15		
2008-12-13	2008-12-11	EM-3297-NH	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded		same incident as DR-1812
2008-08-11	2008-07-24	DR-1782-NH	Major disaster	Severe Storms, Tornado, and Flooding	Inland Flooding; Tornado	\$79,673.30		
2007-04-27	2007-04-15	DR-1695-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$2,588,844.19		
2006-05-25	2006-05-12	DR-1643-NH	Major disaster	Severe Storms and Flooding	Inland Flooding	\$2,677,068.31		
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		
2005-04-28	2005-03-11	EM-3211-NH	Emergency	Record Snow	Winter Weather	\$421,408.49		
2005-03-30	2005-01-22	EM-3207-NH	Emergency	Record and/or Near Record Snow	Winter Weather	\$645,634.32		
2003-03-11	2003-02-17	EM-3177-NH	Emergency	Snow	Winter Weather	\$538,074.62		
2001-03-28	2001-03-05	EM-3166-NH	Emergency	Snow	Winter Weather	\$871,012.82		
1998-07-02	1998-06-12	DR-1231-NH	Major disaster	Severe Storms and Flooding	Inland Flooding; Winter Weather	no Public Assistance recorded		
1996-10-29	1996-10-20	DR-1144-NH	Major disaster	Fall Northeaster Rainstorm	Inland Flooding	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		
1991-11-13	1991-10-30	DR-923-NH	Major disaster	Coastal Storm	Coastal Flooding	no Public Assistance recorded		
1991-09-09	1991-08-18	DR-917-NH	Major disaster	Hurricane Bob & Severe Storms	Hurricane	no Public Assistance recorded		
1987-04-16	1987-03-30	DR-789-NH	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1978-02-16	1978-02-16	DR-549-NH	Major disaster	High Winds, Tidal Surge & Coastal Flooding	Coastal 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		
1972-03-18	1972-03-18	DR-327-NH	Major disaster	Coastal Storms	Coastal 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.

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
Coastal Flooding	67			5	4		1996 to 2026-06-30	
Cold Wave	21			2	0		1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	23			10	0		1996 to 2026-06-30	
Earthquake	0			0	0			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	170			14	0		1955 to 2026-06-30	
Heat Wave	3			1	0		1996 to 2026-06-30	
Hurricane	3			0	3		1996 to 2026-06-30	
Ice Storm	3			0	1		1996 to 2026-06-30	
Inland Flooding	40			7	11		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	56			0	0		1996 to 2026-06-30	
Strong Wind	323			50	0		1955 to 2026-06-30	Includes 25 High Wind and 34 Strong Wind records.
Tornado	10			0	1		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	181			18	13		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
2026-03-01	Drought		\$0 property; \$0 crops (zone total, 2026 dollars)	0, 0	NWS zone NHZ014 (COASTAL ROCKINGHAM), zone-level	within last 5 years	B1-c worst recorded: Drought
2024-01-13	Coastal Flood		\$30,000,000 property; \$0 crops (zone total, 2024 dollars)	0, 0	NWS zone NHZ014 (COASTAL ROCKINGHAM), zone-level	within last 5 years	B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2017-10-30	High Wind	61 kt (70 mph) estimated gust	\$0 property; crops not reported (zone total, 2017 dollars)	0, 0	NWS zone NHZ013 (INTERIOR ROCKINGHAM), zone-level		B1-c worst recorded: High Wind and Strong Wind
2008-12-11	Ice Storm		\$1,620,000 property; \$0 crops (zone total, 2008 dollars)	0, 0	NWS zone NHZ013 (INTERIOR ROCKINGHAM), zone-level		B1-c worst recorded: Ice Storm
2008-07-24	Tornado	EF2, 4.86 mi within this county, 880 yd wide	\$840,000 property; crops not reported (2008 dollars)	1, 2	LEAVITTS HILL to NORTHWOOD NARROWS		deaths or injuries recorded
2001-08-10	Thunderstorm Wind	97 kt (112 mph) measured	damage not reported	0, 0	PORTSMOUTH		B1-c worst recorded: Thunderstorm Wind
2000-06-17	Thunderstorm Wind	speed not recorded	damage not reported	1, 0	WINDHAM		deaths or injuries recorded
2000-01-13	Extreme Cold/Wind Chill		damage not reported	0, 0	NWS zone NHZ014 (COASTAL ROCKINGHAM), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1996-10-20	Flash Flood		\$4,800,000 property; crops not reported (1996 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1996-09-02	Hurricane (NOAA event type 'Hurricane (Typhoon)')		damage not reported	0, 0	NWS zone NHZ014 (COASTAL ROCKINGHAM), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
1991-08-18	Thunderstorm Wind	speed not recorded	damage not recorded (pre-1996 record)	3, 11	location not recorded		deaths or injuries recorded
1953-06-09	Tornado	F3, 1.5 mi path length (whole path, pre-1996), 100 yd wide	\$25,000 property; crops not recorded (1953 dollars)	0, 5	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (900 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.
Coastal Flooding	8.03	events per year at a location (modeled)	about 8 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	1.4	event-days per year	about 1.4 days per year	Likely	Storm Events event-days in 8 of 30 years, 1996 to 2025 (26.7%)	24.3	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	5.59	event-days per year	about 5.59 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	266	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00218	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.218%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.02	events per year	about 2.02 per year	Highly likely	FEMA annualized frequency (modeled)	78.3 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	4.22	event-days per year	about 4.22 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	63.4	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.137	events per year	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	56	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	2.03	event-days per year	about 2.03 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	127	1946-12-31 to 2014-02-12 (67 years)	countywide	

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
Inland Flooding	1.21	event-days per year	about 1.21 days per year	Likely	Storm Events event-days in 21 of 30 years, 1996 to 2025 (70%)	34	1996 to 2023 (28 years)	see B1-f	
Landslide	0.587	events per year (modeled)	about 0.59 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	19.8	days per year with a strike	about 19.8 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.843	events per year	about 0.84 per year	Likely	FEMA annualized frequency (modeled)	30	1986 to 2023 (38 years)	countywide	
Tornado	0.122	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	
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	0.0000738	annual probability at a location	chance a given location in the county burns in a year: 0.00738%		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	17.1	event-days per year	about 17.1 days per year	Highly likely	Storm Events event-days in 30 of 30 years, 1996 to 2025 (100%)	296	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	97	30	3.23
Hail	2.00 in+	1996 to 2025	3	30	0.1
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	217	30	7.23
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	3	30	0.1
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	1	30	0.0333
Tornado	EF0-1	1996 to 2025	0	30	0
Tornado	EF2-3	1996 to 2025	2	30	0.0667
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	1 of 72	1.7	1.7	1.7	Very Low 1, Not Applicable 71
Coastal Flooding	26 of 72	69.8	94.0	99.9	Very High 3, Relatively High 8, Relatively Moderate 5, Relatively Low 5, Very Low 5, No Rating 46
Cold Wave	72 of 72	15.8	32.6	43.4	Relatively Low 71, Very Low 1
Drought	18 of 72	76.6	91.6	97.5	Relatively Moderate 9, Relatively Low 7, Very Low 2, No Rating 54
Earthquake	72 of 72	33.7	63.4	80.0	Relatively Moderate 3, Relatively Low 61, Very Low 8
Hail	72 of 72	1.5	33.2	43.1	Relatively Low 15, Very Low 57
Heat Wave	72 of 72	1.7	17.1	33.7	Relatively Low 37, Very Low 35
Hurricane	72 of 72	53.5	68.8	81.1	Relatively Moderate 2, Relatively Low 70
Ice Storm	72 of 72	46.8	80.9	92.4	Relatively High 5, Relatively Moderate 56, Relatively Low 11
Inland Flooding	72 of 72	1.3	43.5	85.3	Relatively High 4, Relatively Moderate 28, Relatively Low 35, Very Low 5
Landslide	72 of 72	22.4	68.7	93.0	Relatively Low 18, Very Low 54
Lightning	72 of 72	1.4	47.0	65.6	Relatively Moderate 31, Relatively Low 39, Very Low 2
Strong Wind	72 of 72	11.2	51.9	69.7	Relatively Moderate 30, Relatively Low 41, Very Low 1
Tornado	72 of 72	3.9	46.0	58.0	Relatively Moderate 8, Relatively Low 58, Very Low 6
Tsunami	0 of 72				Insufficient Data 72
Wildfire	72 of 72	20.3	58.8	78.0	Relatively Low 11, Very Low 61
Winter Weather	72 of 72	15.1	43.6	56.5	Relatively Moderate 21, Relatively Low 50, Very 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
Portsmouth city	City	Approved, expires 2029-08-20	FMA RL 0, SRL 0; any 2	\$1,165,620.44	18 total; 1 since its plan	Includes \$364,640 for declarations not counted as hazard incidents (DR-4516-NH).
Atkinson town	Town	Approved, expires 2030-05-28	FMA RL 0, SRL 0; any 0	\$283,719.68	7 total; 0 since its plan	Includes \$5,657.70 for declarations not counted as hazard incidents (DR-4516-NH).
Auburn town	Town	Approved, expires 2030-07-28	FMA RL 0, SRL 0; any 0	\$1,278,353.37	16 total; 1 since its plan	
Brentwood town	Town	Approved, expires 2029-03-14	FMA RL 0, SRL 1; any 1	\$304,824.20	7 total; 0 since its plan	
Candia town	Town	Approved, expires 2029-04-25	FMA RL 0, SRL 0; any 0	\$400,964.36	12 total; 0 since its plan	Includes \$5,543.99 for declarations not counted as hazard incidents (DR-4516-NH).
Chester town	Town	Approved, expires 2029-04-02	FMA RL 0, SRL 0; any 0	\$547,751.36	13 total; 3 since its plan	Includes \$31,846.91 for declarations not counted as hazard incidents (DR-4516-NH).
Danville town	Town	Approved, expires 2029-03-20	FMA RL 0, SRL 0; any 0	\$161,018.39	6 total; 0 since its plan	
Deerfield town	Town	Approved, expires 2030-11-12	FMA RL 0, SRL 0; any 1	\$1,649,732.36	16 total; 0 since its plan	
Derry town	Town	Approved, expires 2031-03-31	FMA RL 0, SRL 0; any 6	\$1,760,263.26	22 total; 1 since its plan	Includes \$162,052.73 for declarations not counted as hazard incidents (DR-4516-NH).
East Kingston town	Town	Expired on 2026-07-18	FMA RL 0, SRL 0; any 0	\$212,048.58	6 total; 0 since its plan	Includes \$11,631.30 for declarations not counted as hazard incidents (DR-4516-NH).
Epping town	Town	Approved, expires 2029-08-20	FMA RL 0, SRL 0; any 9	\$388,583.55	12 total; 0 since its plan	Includes \$7,937.05 for declarations not counted as hazard incidents (DR-4516-NH).
Exeter town	Town	Approved, expires 2030-02-09	FMA RL 4, SRL 2; any 17	\$825,882.28	17 total; 0 since its plan	Includes \$200,171.03 for declarations not counted as hazard incidents (DR-4516-NH).
Fremont town	Town	Approved, expires 2027-06-26	FMA RL 1, SRL 1; any 7	\$245,640.43	12 total; 3 since its plan	Includes \$13,251.85 for declarations not counted as hazard incidents (DR-4516-NH).
Greenland town	Town	Approved, expires 2028-03-29	FMA RL 0, SRL 1; any 2	\$366,742.19	16 total; 3 since its plan	Includes \$27,499.93 for declarations not counted as hazard incidents (DR-4516-NH).
Hampstead town	Town	Approved, expires 2029-07-17	FMA RL 0, SRL 0; any 1	\$364,431.76	9 total; 0 since its plan	Includes \$16,572.38 for declarations not counted as hazard incidents (DR-4516-NH).
Hampton Falls town	Town	Approved, expires 2030-04-15	FMA RL 0, SRL 0; any 0	\$301,520.36	6 total; 0 since its plan	Includes \$3,344.49 for declarations not counted as hazard incidents (DR-4516-NH).
Hampton town	Town	Approved, expires 2029-04-16	FMA RL 4, SRL 14; any 79	\$1,361,521.89	13 total; 2 since its plan	Includes \$112,179.62 for declarations not counted as hazard incidents (DR-4516-NH).
Kensington town	Town	Expired on 2026-01-04	FMA RL 0, SRL 0; any 0	\$226,883.26	2 total; 0 since its plan	Includes \$20,750.11 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>	
Kingston town	Town	Approved, expires 2029-12-01	FMA RL 0, SRL 0; any 2	\$577,358.79	14 total; 0 since its plan	
Londonderry town	Town	Approved, expires 2030-05-19	FMA RL 0, SRL 2; any 4	\$2,000,780.39	23 total; 0 since its plan	Includes \$602,890.46 for declarations not counted as hazard incidents (DR-4516-NH).
New Castle town	Town	Approved, expires 2027-02-07	FMA RL 0, SRL 0; any 3	\$545,514.90	7 total; 1 since its plan	Includes \$4,833.49 for declarations not counted as hazard incidents (DR-4516-NH).
Newfields town	Town	Expired on 2020-12-20	FMA RL 0, SRL 0; any 0	\$139,450.02	3 total; 0 since its plan	
Newington town	Town	Approved, expires 2030-01-05	FMA RL 0, SRL 0; any 0	\$111,346.31	2 total; 0 since its plan	Includes \$3,573.62 for declarations not counted as hazard incidents (DR-4516-NH).
Newmarket town	Town	Approved, expires 2031-04-15	FMA RL 0, SRL 0; any 4	\$680,896.12	15 total; 0 since its plan	Includes \$42,795.67 for declarations not counted as hazard incidents (DR-4516-NH).
Newton town	Town	Approved, expires 2027-06-13	FMA RL 0, SRL 0; any 0	\$974,954.38	4 total; 0 since its plan	Includes \$232,844.82 for declarations not counted as hazard incidents (DR-4516-NH).
North Hampton town	Town	Approved, expires 2029-12-05	FMA RL 0, SRL 1; any 2	\$308,508.26	10 total; 0 since its plan	
Northwood town	Town	Approved, expires 2030-06-25	FMA RL 0, SRL 0; any 0	\$218,409.22	7 total; 0 since its plan	
Nottingham town	Town	Approved, expires 2029-12-05	FMA RL 0, SRL 0; any 4	\$526,955.51	7 total; 0 since its plan	
Plaistow town	Town	Approved, expires 2031-06-09	FMA RL 0, SRL 0; any 0	\$415,818.20	5 total; 0 since its plan	Includes \$13,843.97 for declarations not counted as hazard incidents (DR-4516-NH).
Raymond town	Town	Approved, expires 2027-03-03	FMA RL 1, SRL 1; any 11	\$463,546.81	18 total; 2 since its plan	
Rye town	Town	Approved, expires 2027-06-14	FMA RL 1, SRL 3; any 17	\$464,473.85	5 total; 0 since its plan	Includes \$21,187.21 for declarations not counted as hazard incidents (DR-4516-NH).
Salem town	Town	Approved, expires 2030-05-18	FMA RL 0, SRL 2; any 11	\$2,308,510.14	11 total; 0 since its plan	Includes \$343,202.23 for declarations not counted as hazard incidents (DR-4516-NH).
Sandown town	Town	Expired on 2026-09-27	FMA RL 0, SRL 0; any 0	\$230,103.56	5 total; 0 since its plan	Includes \$9,138.16 for declarations not counted as hazard incidents (DR-4516-NH).
Seabrook town	Town	Approved, expires 2030-07-20	FMA RL 0, SRL 0; any 3	\$2,777,645.93	7 total; 0 since its plan	Includes \$2,335,969.06 for declarations not counted as hazard incidents (DR-4516-NH).
South Hampton town	Town	Approved, expires 2030-09-03	FMA RL 0, SRL 0; any 1	\$113,615.35	0 total; 0 since its plan	Includes \$3,412.42 for declarations not counted as hazard incidents (DR-4516-NH).

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
Stratham town	Town	Expired on 2026-06-01	FMA RL 0, SRL 0; any 1	\$223,562.60	16 total; 1 since its plan	
Windham town	Town	Approved, expires 2030-10-08	FMA RL 0, SRL 0; any 0	\$451,073.12	15 total; 0 since its plan	Includes \$22,927.30 for declarations not counted as hazard incidents (DR-4516-NH).

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	\$3					building exposure is 0 in NRI
Coastal Flooding	\$3,277,573,274	n/a	13,717	\$12,071,901	n/a	\$14,101	0.368%				
Cold Wave	\$65,029,314,958	\$28,842,225	314,137	\$960	\$3,152	\$1,927,696	under 0.0001%				
Drought	n/a	\$15,596,202	n/a	n/a	\$1,191,166	n/a	7.64% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$110,953,542,759	n/a	314,176	\$4,601,565	n/a	\$893,595	0.00415%				
Hail	\$65,029,314,958	\$28,842,225	314,137	\$18,808	\$179	\$207,129	under 0.0001%				

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
Heat Wave	\$65,029,314,958	\$28,842,225	314,137	\$1	\$3,593	\$1,112,238	under 0.0001%				
Hurricane	\$65,029,053,989	\$28,842,225	314,135	\$4,639,246	\$185,311	\$149,747	0.00713%				
Ice Storm	\$64,847,531,060	n/a	313,508	\$1,503,555	n/a	\$106,250	0.00232%				
Inland Flooding	\$64,873,843,284	\$998,023	10,502	\$53,845,820	\$4,987	\$115,970	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	\$1,389,650,938	n/a	7,110	\$8,697	n/a	\$2,184	0.000626%				
Lightning	\$65,029,314,958	n/a	314,137	\$128,280	n/a	\$782,423	0.000197%				
Strong Wind	\$65,029,314,958	\$28,842,225	314,137	\$419,032	\$1	\$1,174,282	0.000644%				
Tornado	\$65,029,314,958	\$28,842,225	314,137	\$459,572	\$277	\$3,953,268	0.000707%				
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$9,141,180,642	\$6,610,155	66,164	\$54,568	\$4	\$9,349	0.000597%				
Winter Weather	\$65,029,314,958	\$28,842,225	314,137	\$15,773	\$15	\$153,009	under 0.0001%				

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	314,137
Building value (total, not at risk)	\$65,029,314,958
Agriculture value (total, not at risk)	\$28,842,225
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$79,156,462
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)	\$10,601,243
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)	12	Severe repetitive loss, FMA definition (44 CFR 77.2)	29
Repetitive loss, NFIP insurance definition	185	Severe repetitive loss, NFIP insurance definition	19

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	12	29	185	19	194	4	83
of which: Brentwood town	0	1	1	1	1	0	1
of which: Deerfield town	0	0	1	0	1	0	0
of which: Derry town	0	0	6	0	6	0	4
of which: Epping town	0	0	9	0	9	0	3

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>
of which: Exeter town	4	2	16	1	17	1	3
of which: Fremont town	1	1	6	0	7	1	3
of which: Hampton town	4	14	75	10	79	1	46
of which: Londonderry town	0	2	2	0	4	1	1
of which: New Castle town	0	0	3	0	3	0	3
of which: Newmarket town	0	0	4	0	4	0	1
of which: Nottingham town	0	0	4	0	4	0	0
of which: Portsmouth city	0	0	2	0	2	0	0
of which: Raymond town	1	1	11	1	11	0	4
of which: Rye town	1	3	17	3	17	0	8
of which: Salem town	0	2	11	2	11	0	2
of which: Seabrook town	0	0	3	0	3	0	0
of which: South Hampton town	0	0	1	0	1	0	1
of which: Stratham town	0	0	1	0	1	0	0
of which: Greenland town	0	1	2	1	2	0	0
of which: Hampstead town	0	0	1	0	1	0	0
of which: Kingston town	0	0	2	0	2	0	0
of which: North Hampton town	0	1	1	0	2	0	1
of which: Seabrook Beach Village District (community ID not in plan data)	0	0	4	0	4	0	0
of which: Village District of Little Boar's Head (community ID not in plan data)	1	1	2	0	2	0	2

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>
Portsmouth city	330139	0	0	2	0	2	0	0
Atkinson town	330175	0	0	0	0	0	0	0
Auburn town	330176	0	0	0	0	0	0	0
Brentwood town	330125	0	1	1	1	1	0	1
Candia town	330126	0	0	0	0	0	0	0
Chester town	330182	0	0	0	0	0	0	0
Danville town	330199	0	0	0	0	0	0	0
Deerfield town	330127	0	0	1	0	1	0	0
Derry town	330128	0	0	6	0	6	0	4
East Kingston town	330203	0	0	0	0	0	0	0
Epping town	330129	0	0	9	0	9	0	3

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>
Exeter town	330130	4	2	16	1	17	1	3
Fremont town	330131	1	1	6	0	7	1	3
Greenland town	330210	0	1	2	1	2	0	0
Hampstead town	330211	0	0	1	0	1	0	0
Hampton Falls town	330133	0	0	0	0	0	0	0
Hampton town	330132	4	14	75	10	79	1	46
Kensington town	330216	0	0	0	0	0	0	0
Kingston town	330217	0	0	2	0	2	0	0
Londonderry town	330134	0	2	2	0	4	1	1
New Castle town	330135	0	0	3	0	3	0	3
Newfields town	330228	0	0	0	0	0	0	0
Newington town	330229	0	0	0	0	0	0	0
Newmarket town	330136	0	0	4	0	4	0	1
Newton town	330240	0	0	0	0	0	0	0
North Hampton town	330232	0	1	1	0	2	0	1
Northwood town	330855	0	0	0	0	0	0	0
Nottingham town	330137	0	0	4	0	4	0	0
Plaistow town	330138	0	0	0	0	0	0	0
Raymond town	330140	1	1	11	1	11	0	4
Rye town	330141	1	3	17	3	17	0	8
Salem town	330142	0	2	11	2	11	0	2
Sandown town	330191	0	0	0	0	0	0	0
Seabrook town	330143	0	0	3	0	3	0	0
South Hampton town	330193	0	0	1	0	1	0	1
Stratham town	330197	0	0	1	0	1	0	0
Windham town	330144	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	9	16	130	8	138	4	61
2 to 4 unit residential	1	3	23	3	23	0	9
other residential	1	5	15	4	15	0	9
non-residential	1	5	17	4	18	0	4
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 1 property is FMA repetitive loss but not NFIP repetitive loss, and 174 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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Cite this: Hazard Plain (2026). Rockingham County, NH: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 33015). Automated baseline. <https://hazardplain.org/nh/33015/> 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