

Hennepin County, MN

Risk-assessment baseline packet

County FIPS: 27053 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2029-05-02. Plan: Hennepin County HMP Update (FEMA plan 109597), approved 2024-05-03.

Since the plan was approved on 2024-05-03: no new hazard declaration and 107 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$188,376,120 a year), Cold Wave (\$101,865,177) and Tornado (\$82,990,111).

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; 27053 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.

CONTENTS

- 1. Summary and terms used, page 1
- 2. Plan clock, page 2
- 3. What changed since your last plan (approved 2024-05-03), page 2
- 4. B1-a: hazard identification, page 5
- 5. B1-b: hazard location, page 7
- 6. B1-c: hazard extent, page 8
- 7. B1-d: previous occurrences, page 10
- 8. B1-e: probability of future events, page 14
- 9. B1-f: hazards that vary across jurisdictions, page 16
- 10. B2-a and B2-b: vulnerability and potential impacts, page 20
- 11. B2-a: vulnerability (county context), page 21
- 12. B2-c: repetitive loss properties, page 22
- 13. Sources, what the plan adds, disclaimer and citation, page 25

Plan clock

Status:	Approved, expires 2029-05-02	Plan:	Hennepin County HMP Update (FEMA plan 109597)
Approved:	2024-05-03	Days to expiry:	945

What changed since your last plan (approved 2024-05-03)

New federal declarations:	none	Storm Events records since approval:	107 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 1, SRL 0 (44 CFR 77.2); any definition: 25	Repeat-flood change:	this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county: 48 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 negative = days since expiry	Notes
Hennepin County	County	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-05-02
Bloomington city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Brooklyn Center city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Brooklyn Park city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Champlin city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Chanhassen city	City	Approved, expires 2031-05-03	Carver County 2025 Hazard Mitigation Plan (FEMA plan 111415)	2026-05-04	2031-05-03	1,676	Also approved under plan 109597 (Hennepin County HMP Update, expires 2029-05-02). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last.
Corcoran city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-08-08
Crystal city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-08-08
Dayton city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Deephaven city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Eden Prairie city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-08-08
Edina city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Excelsior city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Golden Valley city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-08-08
Greenfield city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Notes
						negative = days since expiry	
Greenwood city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Hanover city	City	Approved, expires 2028-05-28	Wright County (FEMA plan 109031)	2023-05-29	2028-05-28	606	this jurisdiction approved 2023-06-09
Hopkins city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Independence city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Long Lake city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Loretto city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-07-02
Maple Grove city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Maple Plain city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Medicine Lake city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Medina city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Minneapolis city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Minnetonka Beach city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Minnetonka city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Minnetrista city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Mound city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
New Hope city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-08-08
Orono city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-08-08
Osseo city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Plymouth city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-08-08
Richfield city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Robbinsdale city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Notes
Rockford city	City	Approved, expires 2028-05-28	Wright County (FEMA plan 109031)	2023-05-29	2028-05-28	606	this jurisdiction approved 2024-09-24
Rogers city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Shorewood city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-30
Spring Park city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2024-08-08
St. Anthony city	City	Approved, expires 2030-06-03	Ramsey County 2025 Hazard Mitigation Plan (FEMA plan 110554)	2025-06-04	2030-06-03	1,342	Also approved under plan 109597 (Hennepin County HMP Update, expires 2029-05-02). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last.
St. Bonifacius city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
St. Louis Park city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Tonka Bay city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-07-02
Wayzata city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Woodland city	City	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-04-14
Bassett Creek Watershed Management Commission	Water/Sewer Authority	Approved, expires 2029-05-02	Hennepin County HMP Update (FEMA plan 109597)	2024-05-03	2029-05-02	945	this jurisdiction approved 2025-07-02
University of Minnesota	College/University	Expired on 2021-12-15	University of Minnesota (System Wide) (FEMA plan 103026)	2016-12-15	2021-12-15	-1,750	

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>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$188,244,797	\$74,946	\$56,377	\$188,376,120	62		
2	Cold Wave	Very High	Very High	\$3,555	\$1,008	\$101,860,614	\$101,865,177	20		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).
3	Tornado	Very High	Very High	\$39,942,377	\$1,720	\$43,046,013	\$82,990,111	12		
4	Heat Wave	Relatively High	Relatively High	\$988	\$2	\$39,285,378	\$39,286,367	17		
5	Hail	Very High	Very High	\$30,982,767	\$74,263	\$182,621	\$31,239,650	515		
6	Strong Wind	Very High	Very High	\$6,869,394	\$37,163	\$1,786,532	\$8,693,089	381		Includes 14 High Wind and 4 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
7	Lightning	Relatively High	Relatively High	\$143,584	n/a	\$1,321,931	\$1,465,515	19		
8	Winter Weather	Very High	Very High	\$393,270	\$412	\$894,406	\$1,288,088	123		
9	Ice Storm	Relatively Moderate	Relatively Moderate	\$371,852	n/a	\$103,605	\$475,457	1		
10	Earthquake	Very Low	Relatively Low	\$244,017	n/a	\$81,238	\$325,256			Storm Events does not record earthquakes.
11	Wildfire	Relatively Low	Relatively Low	\$281,131	\$62	\$27,898	\$309,091	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Drought	Relatively Low	Relatively Low	n/a	\$84,444	n/a	\$84,444	0		Declared 1 time; no Storm Events record of this type.

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>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
13	Landslide	Relatively Low	Relatively Low	\$16,795	n/a	\$9,722	\$26,517	0		Declared 1 time; no Storm Events record of this type.
	Hurricane	Not Applicable	Not Applicable					0	NRI rates hurricane Not Applicable for this county, and no counted federal declaration for this county names it (EM-3242-MN names it but is not counted as a local occurrence; see B1-d).	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: avalanche, 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>
Earthquake	tract 1261.02 (Very Low, 41.0); tract 1044 (Very Low, 32.4); tract 1049.01 (Very Low, 31.5)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 260.26 (Relatively Low, 94.3); tract 271.01 (Relatively Low, 93.1); tract 270.02 (Relatively Low, 92.6)
Tornado	tract 1049.01 (Very High, 99.8); tract 1261.02 (Very High, 99.7); tract 1261.01 (Very High, 98.1)
Wildfire	tract 271.01 (Relatively Moderate, 89.3); tract 270.02 (Relatively Moderate, 88.7); tract 271.02 (Relatively Low, 87.1)

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 1261.02 is Census Tract 1261.02). 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
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	19 records, 1996 to 2026 (19 zone-level)	1 day to 5 days (median 2 days); 18 with a recorded value	5 consecutive days, 1996-01-31 to 1996-02-04, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2012 (1 zone-level)		Frost/Freeze, 2012-04-10, \$20,000 crop damage (2012 dollars); NWS zone MNZ060		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	0					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)	586 records, 1956 to 2026	0.75 in to 4 in (median 1 in); 585 with a recorded value	4 in hail, 1966-07-08	Hail, 1998-05-15, \$450,000,000 property; crops not reported (1998 dollars)	Event records naming jurisdictions in the plan: Minneapolis city (80 records), Eden Prairie city (38 records), Bloomington city (37 records), Richfield city (32 records), Edina city (23 records), Plymouth city (22 records), Brooklyn Park city (18 records), Osseo city (16 records), St. Louis Park city (16 records), Maple Grove city (14 records); and 28 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	17 records, 1999 to 2023 (17 zone-level)	1 day to 9 days (median 2 days); 15 with a recorded value	9 consecutive days, 2005-07-09 to 2005-07-17, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					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)	1 record, 1996 (1 zone-level)		No 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
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	62 records, 1997 to 2025 (8 zone-level)		Flood, 2014-06-18, \$4,000,000 property; \$0 crops (2014 dollars)		Event records naming jurisdictions in the plan: Minneapolis city (12 records), Bloomington city (5 records), Edina city (4 records), Richfield city (4 records), St. Louis Park city (4 records), Eden Prairie city (3 records), Osseo city (3 records), Rogers city (3 records), Brooklyn Park city (2 records), Robbinsdale city (2 records); and 10 more jurisdictions (see the Excel file). Zone-level records (8) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	19 records, 1996 to 2016		Lightning, 2013-06-21, \$750,000 property; \$0 crops (2013 dollars)		Event records naming jurisdictions in the plan: Brooklyn Park city (2 records), Edina city (2 records), Bloomington city (1 record), Greenwood city (1 record), Hopkins city (1 record), Minneapolis city (1 record), Osseo city (1 record), Plymouth city (1 record), St. Louis Park city (1 record), Woodland city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	18 records, 1996 to 2026 (18 zone-level)	35 kt (40 mph) to 64 kt (74 mph) (median 51.5 kt (59 mph)); 18 with a recorded value	64 kt (74 mph) measured, High Wind, 2000-04-05; NWS zone MNZ060	High Wind, 2018-06-11, \$25,000 property; \$0 crops (zone total, 2018 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	495 records, 1955 to 2026	43 kt (49 mph) to 90 kt (104 mph) (median 52 kt (60 mph)); 424 with a recorded value	90 kt (104 mph), measurement type not recorded, Thunderstorm Wind, 1980-07-15	Thunderstorm Wind, 2005-09-21, \$130,000,000 property; crops not reported (2005 dollars)	Event records naming jurisdictions in the plan: Minneapolis city (39 records), Bloomington city (33 records), Edina city (17 records), Eden Prairie city (16 records), Richfield city (15 records), Osseo city (13 records), Hopkins city (12 records), Brooklyn Park city (11 records), Champlin city (11 records), St. Louis Park city (11 records); and 29 more jurisdictions (see the Excel file).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Tornado	Enhanced Fujita (Fujita before Feb 2007)	31 records, 1951 to 2020	F/EF0 to F/EF4 (median F/EF1); 31 with a recorded value	F4 tornado, 1965-05-06, 4.6 mi path length (whole path, pre-1996), 300 yd wide, \$25,000,000 property; crops not recorded (1965 dollars), 88 direct injuries	Tornado, 2011-05-22, \$166,000,000 property; \$0 crops (2011 dollars)	Event records naming jurisdictions in the plan: Greenfield city (2 records), Minneapolis city (2 records), Minnetrista city (2 records), Plymouth city (2 records), Brooklyn Park city (1 record), Corcoran city (1 record), Maple Plain city (1 record), Richfield city (1 record), Robbinsdale city (1 record), Rogers city (1 record); and 2 more jurisdictions (see the Excel file).	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)	123 records, 1996 to 2026 (123 zone- level)		Winter Storm, 2010-12-10, \$18,300,000 property; \$0 crops (2010 dollars); NWS zone MNZ060		Countywide (zone-level records).	

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

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of debris flow 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: 18 declarations covering 14 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

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
2020-04-07	2020-01-20	DR-4531-MN	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$118,826,164.81	
2020-03-13	2020-01-20	EM-3453-MN	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	same incident as DR-4531
2016-11-02	2016-09-21	DR-4290-MN	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county	
2014-07-21	2014-06-11	DR-4182-MN	Major disaster	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Strong Wind	\$6,718,783.06	
2013-07-25	2013-06-20	DR-4131-MN	Major disaster	Severe Storms, Straight-Line Winds, and Flooding	Inland Flooding; Strong Wind	\$4,112,656.92	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	
						<i>federal share obligated, nominal dollars</i>	Notes
2011-06-07	2011-05-21	DR-1990-MN	Major disaster	Severe Storms and Tornadoes	Tornado	\$3,305,096.54	
2010-03-19	2010-03-01	EM-3310-MN	Emergency	Flooding	Inland Flooding	no Public Assistance recorded	
2007-08-21	2007-08-01	EM-3278-MN	Emergency	Bridge Collapse	Non-natural, not counted	\$2,979,534.03	
2005-09-13	2005-08-29	EM-3242-MN	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded	
2001-05-16	2001-03-23	DR-1370-MN	Major disaster	Severe Winter Storms, Flooding, and Tornadoes	Inland Flooding (primary); also designated: Ice Storm, Tornado, Winter Weather	PA not declared for this county	
1998-06-23	1998-05-15	DR-1225-MN	Major disaster	Severe Storms, Straight Line Winds, and Tornadoes	Tornado (primary); also designated: Strong Wind	no Public Assistance recorded	
1997-08-25	1997-06-28	DR-1187-MN	Major disaster	Severe Storms, Tornadoes, High Winds, Flooding	Inland Flooding; Strong Wind; Tornado	no Public Assistance recorded	
1997-04-08	1997-03-21	DR-1175-MN	Major disaster	Severe Flooding, High Winds, Severe Storms	Inland Flooding (primary); also designated: Strong Wind	no Public Assistance recorded	
1987-08-06	1987-07-20	DR-797-MN	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded	
1978-07-08	1978-07-08	DR-560-MN	Major disaster	Severe Storms, Flooding, Hail & Tornadoes	Hail; Inland Flooding; Tornado	no Public Assistance recorded	
1976-06-17	1976-06-17	EM-3013-MN	Emergency	Drought	Drought	no Public Assistance recorded	
1969-04-18	1969-04-18	DR-255-MN	Major disaster	Flooding	Inland Flooding	no Public Assistance recorded	
1965-04-11	1965-04-11	DR-188-MN	Major disaster	Flooding	Inland Flooding	no Public Assistance recorded	

School districts and special districts in this county: \$7,838,566.06 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

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
1957-06-22	1957-06-22	DR-80-MN	Major disaster	Floods	Inland Flooding

FEMA recorded these with designated area Statewide and no county, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

7 Fire Management declarations (1976-09-08 to 1976-10-01) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance filed under this county for declarations that do not list it: 1 row, \$1,160,547.53

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4069-MN	2012-07-06	Severe Storms and Flooding	University of Minnesota	\$1,160,547.53

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.

Public Assistance not placed in any Minnesota county: 14 rows, \$9,133,931.59; listed on the Minnesota state page.

Source: 3

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
Cold Wave	20	3	0	4	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	586	34	28	75	1	0	1955 to 2026-06-30	
Heat Wave	17	0	2	5	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	1	0	0	0	1	0	1996 to 2026-06-30	
Inland Flooding	62	4	0	4	11	0	1996 to 2026-06-30	
Landslide	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	19	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	513	45	12	80	5	0	1955 to 2026-06-30	Includes 14 High Wind and 4 Strong Wind records.
Tornado	31	0	0	0	6	0	1950 to 2026-06-30	

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	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	123	21	3	38	1	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Why listed
2014-06-18	Flood		\$4,000,000 property; \$0 crops (2014 dollars)	0, 0	BROOKLYN PARK to ROGERS	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2013-06-21	Lightning		\$750,000 property; \$0 crops (2013 dollars)	0, 0	WOODLAND	B1-c worst recorded: Lightning
2012-07-03	Excessive Heat		\$0 property; \$0 crops (zone total, 2012 dollars)	3, 0	NWS zone MNZ060 (HENNEPIN), zone-level	deaths or injuries recorded
2012-04-10	Frost/Freeze		\$0 property; \$20,000 crops (zone total, 2012 dollars)	0, 0	NWS zone MNZ060 (HENNEPIN), zone-level	B1-c worst recorded: Frost/Freeze
2005-07-09	Heat		damage not reported	0, 0	NWS zone MNZ060 (HENNEPIN), zone-level	B1-c worst recorded: Excessive Heat, Heat
2000-04-05	High Wind	64 kt (74 mph) measured	damage not reported	0, 0	NWS zone MNZ060 (HENNEPIN), zone-level	B1-c worst recorded: High Wind and Strong Wind
1996-01-31	Cold/Wind Chill		damage not reported	0, 0	NWS zone MNZ060 (HENNEPIN), zone-level	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1980-07-15	Thunderstorm Wind	90 kt (104 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded	B1-c worst recorded: Thunderstorm Wind
1966-07-08	Hail	4 in	damage not recorded (pre-1996 record)	0, 0	location not recorded	B1-c worst recorded: Hail
1965-05-06	Tornado	F4, 5.9 mi path length (whole path, pre-1996), 667 yd wide	\$25,000,000 property; crops not recorded (1965 dollars)	6, 50	location not recorded	deaths or injuries recorded
1965-05-06	Tornado	F4, 4.6 mi path length (whole path, pre-1996), 300 yd wide	\$25,000,000 property; crops not recorded (1965 dollars)	0, 88	location not recorded	B1-c worst recorded: Tornado
1951-07-20	Tornado	F3, 11.6 mi path length (whole path, pre-1996), 33 yd wide	\$25,000,000 property; crops not recorded (1951 dollars)	5, 40	location not recorded	deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,372 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	8.95	event-days per year	about 8.95 days per year	Likely	Storm Events event- days in 10 of 30 years, 1996 to 2025 (33.3%)	170	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	2.94	event-days per year	about 2.94 days per year		Storm Events event- days in 0 of 30 years, 1996 to 2025 (0%)	119	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.000258	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0258%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	6.41	events per year	about 6.41 per year	Highly likely	FEMA annualized frequency (modeled)	243.9 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	6.68	event-days per year	about 6.68 days per year	Likely	Storm Events event- days in 10 of 30 years, 1996 to 2025 (33.3%)	99	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane		events per year					1851 to 2024 (Atlantic)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	0.485	event-days per year	about 0.485 days per year	Possible	Storm Events event- days in 1 of 30 years, 1996 to 2025 (3.33%)	33	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.54	event-days per year	about 1.54 days per year	Likely	Storm Events event- days in 18 of 30 years, 1996 to 2025 (60%)	43	1996 to 2023 (28 years)	see B1-f	
Landslide	0.225	events per year (modeled)	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	36	days per year with a strike	about 36 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	4.57	events per year	about 4.57 per year	Highly likely	FEMA annualized frequency (modeled)	174	1986 to 2023 (38 years)	countywide	
Tornado	0.458	events per year	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	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
Wildfire	0.000283	annual probability at a location	chance a given location in the county burns in a year: 0.0283%		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	16.6	event-days per year	about 16.6 days per year	Highly likely	Storm Events event- days in 27 of 30 years, 1996 to 2025 (90%)	315	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	259	30	8.63
Hail	2.00 in+	1996 to 2025	45	30	1.5
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	336	30	11.2
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	21	30	0.7
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	5	30	0.167
Tornado	EF0-1	1996 to 2025	11	30	0.367
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	
Cold Wave	329 of 329	16.1	86.6	97.5	Very High 19, Relatively High 249, Relatively Moderate 59, Relatively Low 1, Very Low 1
Drought	49 of 329	66.8	70.0	90.0	Relatively Low 8, Very Low 41, No Rating 280
Earthquake	329 of 329	0.2	3.3	41.0	Very Low 329
Hail	329 of 329	62.6	85.2	99.7	Very High 6, Relatively High 93, Relatively Moderate 221, Relatively Low 9
Heat Wave	329 of 329	1.8	77.8	93.8	Relatively High 81, Relatively Moderate 229, Relatively Low 18, Very Low 1
Hurricane	0 of 329				Not Applicable 329
Ice Storm	329 of 329	2.6	11.8	66.9	Relatively Low 22, Very Low 307
Inland Flooding	329 of 329	1.1	27.9	96.9	Very High 1, Relatively High 19, Relatively Moderate 73, Relatively Low 138, Very Low 98
Landslide	326 of 329	14.2	55.9	94.3	Relatively Low 42, Very Low 284, No Rating 3
Lightning	329 of 329	0.6	21.1	52.9	Relatively Moderate 1, Relatively Low 175, Very Low 153
Strong Wind	329 of 329	20.9	51.6	97.7	Very High 1, Relatively High 9, Relatively Moderate 136, Relatively Low 183

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	329 of 329	42.8	71.9	99.8	Very High 16, Relatively High 129, Relatively Moderate 171, Relatively Low 13
Wildfire	238 of 329	18.5	41.0	89.3	Relatively Moderate 2, Relatively Low 34, Very Low 202, No Rating 91
Winter Weather	329 of 329	22.5	53.2	90.7	Relatively High 4, Relatively Moderate 224, Relatively Low 101

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
Hennepin County	County	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$31,450,555.87	0 total; 0 since its plan	Includes \$31,450,555.87 for declarations not counted as hazard incidents (DR-4531-MN, EM-3278-MN).
Bloomington city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 2	\$253,834.31	76 total; 1 since its plan	
Brooklyn Center city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$43,370	21 total; 1 since its plan	
Brooklyn Park city	City	Approved, expires 2029-05-02	FMA RL 1, SRL 0; any 1	\$107,471.51	34 total; 3 since its plan	Includes \$27,256.74 for declarations not counted as hazard incidents (DR-4531-MN).
Champlin city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$58,303.57	19 total; 5 since its plan	
Chanhassen city	City	Approved, expires 2031-05-03	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 0 since its plan	Also approved under plan 109597 (Hennepin County HMP Update, expires 2029-05-02). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last.
Corcoran city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$92,979.69	15 total; 2 since its plan	Includes \$14,582.79 for declarations not counted as hazard incidents (DR-4531-MN).
Crystal city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$72,951.04	12 total; 0 since its plan	Includes \$23,295.65 for declarations not counted as hazard incidents (DR-4531-MN).
Dayton city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	8 total; 0 since its plan	
Deephaven city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$9,829.42	22 total; 8 since its plan	
Eden Prairie city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$294,606.11	57 total; 3 since its plan	Includes \$29,842.25 for declarations not counted as hazard incidents (DR-4531-MN).

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>	
Edina city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 5	\$43,410.04	46 total; 3 since its plan	
Excelsior city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	7 total; 0 since its plan	
Golden Valley city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	\$154,972.17	0 total; 0 since its plan	Includes \$25,115.71 for declarations not counted as hazard incidents (DR-4531-MN).
Greenfield city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$16,573.53	5 total; 0 since its plan	
Greenwood city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	5 total; 2 since its plan	
Hanover city	City	Approved, expires 2028-05-28	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Hopkins city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	\$30,176.38	24 total; 4 since its plan	Includes \$30,176.38 for declarations not counted as hazard incidents (DR-4531-MN).
Independence city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$43,742.40	1 total; 0 since its plan	
Long Lake city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$17,641.13	13 total; 0 since its plan	
Loretto city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	7 total; 1 since its plan	
Maple Grove city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$118,921.55	22 total; 0 since its plan	
Maple Plain city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$20,987.09	20 total; 0 since its plan	
Medicine Lake city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	1 total; 0 since its plan	
Medina city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$15,604.94	5 total; 1 since its plan	
Minneapolis city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 3	\$3,182,817.68	134 total; 11 since its plan	Includes \$2,323,116.61 for declarations not counted as hazard incidents (EM-3278-MN).
Minnetonka Beach city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 0 since its plan	
Minnetonka city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	\$192,251.81	14 total; 0 since its plan	
Minnetrista city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	9 total; 0 since its plan	
Mound city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	\$125,003.44	15 total; 1 since its plan	Includes \$4,483.11 for declarations not counted as hazard incidents (DR-4531-MN).

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
New Hope city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$86,615.78	11 total; 0 since its plan	Includes \$28,583.29 for declarations not counted as hazard incidents (DR-4531-MN).
Orono city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	\$139,779.71	4 total; 0 since its plan	
Osseo city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$13,578.78	33 total; 1 since its plan	Includes \$13,578.78 for declarations not counted as hazard incidents (DR-4531-MN).
Plymouth city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$288,907.87	35 total; 4 since its plan	Includes \$22,418.60 for declarations not counted as hazard incidents (DR-4531-MN).
Richfield city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$119,862.50	52 total; 5 since its plan	Includes \$19,047.72 for declarations not counted as hazard incidents (DR-4531-MN).
Robbinsdale city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	\$150,152.11	22 total; 3 since its plan	Includes \$43,879.46 for declarations not counted as hazard incidents (DR-4531-MN).
Rockford city	City	Approved, expires 2028-05-28	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	11 total; 0 since its plan	
Rogers city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	24 total; 1 since its plan	
Shorewood city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$77,200.85	4 total; 0 since its plan	
Spring Park city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	\$19,991.06	1 total; 0 since its plan	
St. Anthony city	City	Approved, expires 2030-06-03	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	9 total; 3 since its plan	Also approved under plan 109597 (Hennepin County HMP Update, expires 2029-05-02). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last.
St. Bonifacius city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	10 total; 0 since its plan	
St. Louis Park city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	\$370,321.22	33 total; 7 since its plan	
Tonka Bay city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 1	\$25,020.95	1 total; 0 since its plan	
Wayzata city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 3	\$115,997.38	5 total; 0 since its plan	Includes \$20,295.70 for declarations not counted as hazard incidents (DR-4531-MN).
Woodland city	City	Approved, expires 2029-05-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 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).

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

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.

- 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 2024-05-03 <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
Cold Wave	\$298,592,651,609	\$75,400,447	1,281,172	\$3,555	\$1,008	\$101,860,614	under 0.0001%		\$0		
Drought	n/a	\$39,674,075	n/a	n/a	\$84,444	n/a	0.213% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$530,164,972,240	n/a	1,281,565	\$244,017	n/a	\$81,238	under 0.0001%				
Hail	\$298,592,651,609	\$75,400,447	1,281,172	\$30,982,767	\$74,263	\$182,621	0.0104%	\$0			
Heat Wave	\$298,592,651,609	\$75,400,447	1,281,172	\$988	\$2	\$39,285,378	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$298,522,569,918	n/a	1,280,722	\$371,852	n/a	\$103,605	0.000125%				
Inland Flooding	\$298,445,436,608	\$5,379,589	9,670	\$188,244,797	\$74,946	\$56,377	n/a (see note)	\$0			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$4,739,103,421	n/a	17,955	\$16,795	n/a	\$9,722	0.000354%				
Lightning	\$298,592,651,609	n/a	1,281,172	\$143,584	n/a	\$1,321,931	under 0.0001%				
Strong Wind	\$298,592,651,609	\$75,400,447	1,281,172	\$6,869,394	\$37,163	\$1,786,532	0.0023%	\$0	\$0		
Tornado	\$298,592,651,609	\$75,400,447	1,281,172	\$39,942,377	\$1,720	\$43,046,013	0.0134%				

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 2024-05-03 <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	\$20,036,437,393	\$23,609,676	102,318	\$281,131	\$62	\$27,898	0.0014%				
Winter Weather	\$298,592,651,609	\$75,400,447	1,281,172	\$393,270	\$412	\$894,406	0.000132%		\$0		

Totals since 2024-05-03 (Storm Events through 2026-06-30): 82 county-coded records, 82 with a damage value recorded (including \$0), \$0; 25 zone-level records, 25 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

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	1,281,172
Building value (total, not at risk)	\$298,592,651,609
Agriculture value (total, not at risk)	\$75,400,447
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$267,768,545
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)	\$188,656,336
Social vulnerability rating	Relatively 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)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	25	Severe repetitive loss, NFIP insurance definition	0

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
County total	1	0	25	0	25	0	10
of which: Brooklyn Park city	1	0	1	0	1	0	1
of which: Dayton city	0	0	1	0	1	0	1
of which: Edina city	0	0	5	0	5	0	2
of which: Golden Valley city	0	0	1	0	1	0	1
of which: Hopkins city	0	0	1	0	1	0	0
of which: Minneapolis city	0	0	3	0	3	0	1
of which: Minnetonka city	0	0	1	0	1	0	1
of which: Mound city	0	0	1	0	1	0	0
of which: Orono city	0	0	1	0	1	0	1
of which: Robbinsdale city	0	0	1	0	1	0	0
of which: St. Louis Park city	0	0	1	0	1	0	0
of which: Tonka Bay city	0	0	1	0	1	0	0
of which: Wayzata city	0	0	3	0	3	0	1
of which: Medicine Lake city	0	0	1	0	1	0	0
of which: Bloomington city	0	0	2	0	2	0	1
of which: Unknown (community ID Unknown in FEMA data)	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>
Hennepin County	270149	0	0	0	0	0	0	0
Bloomington city	275230	0	0	2	0	2	0	1
Brooklyn Center city	270151	0	0	0	0	0	0	0
Brooklyn Park city	270152	1	0	1	0	1	0	1
Champlin city	270153	0	0	0	0	0	0	0
Chanhassen city	270051	0	0	0	0	0	0	0
Corcoran city	270155	0	0	0	0	0	0	0
Crystal city	270156	0	0	0	0	0	0	0
Dayton city	270157	0	0	1	0	1	0	1
Deephaven city	270158	0	0	0	0	0	0	0
Eden Prairie city	270159	0	0	0	0	0	0	0
Edina city	270160	0	0	5	0	5	0	2
Excelsior city	270161	0	0	0	0	0	0	0
Golden Valley city	270162	0	0	1	0	1	0	1
Greenfield city	270673	0	0	0	0	0	0	0
Greenwood city	270164	0	0	0	0	0	0	0
Hanover city	270540	0	0	0	0	0	0	0
Hopkins city	270166	0	0	1	0	1	0	0
Independence city	270167	0	0	0	0	0	0	0
Long Lake city	270168	0	0	0	0	0	0	0
Loretto city	270659	0	0	0	0	0	0	0
Maple Grove city	270169	0	0	0	0	0	0	0
Maple Plain city	270170	0	0	0	0	0	0	0
Medicine Lake city	270690	0	0	1	0	1	0	0
Medina city	270171	0	0	0	0	0	0	0
Minneapolis city	270172	0	0	3	0	3	0	1
Minnetonka Beach city	270174	0	0	0	0	0	0	0
Minnetonka city	270173	0	0	1	0	1	0	1
Minnetrista city	270175	0	0	0	0	0	0	0
Mound city	270176	0	0	1	0	1	0	0
New Hope city	270177	0	0	0	0	0	0	0
Orono city	270178	0	0	1	0	1	0	1
Osseo city	270658	0	0	0	0	0	0	0

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Plymouth city	270179	0	0	0	0	0	0	0
Richfield city	270180	0	0	0	0	0	0	0
Robbinsdale city	270181	0	0	1	0	1	0	0
Rockford city	270182	0	0	0	0	0	0	0
Rogers city	270775	0	0	0	0	0	0	0
Shorewood city	270185	0	0	0	0	0	0	0
Spring Park city	270186	0	0	0	0	0	0	0
St. Anthony city	270716	0	0	0	0	0	0	0
St. Bonifacius city	270183	0	0	0	0	0	0	0
St. Louis Park city	270184	0	0	1	0	1	0	0
Tonka Bay city	270187	0	0	1	0	1	0	0
Wayzata city	270188	0	0	3	0	3	0	1
Woodland city	270189	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	1	0	21	0	21	0	10
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	1	0	1	0	0
non-residential	0	0	2	0	2	0	0
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 24 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):

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