

Washington County, MN

Risk-assessment baseline packet

Unit **County area 27163** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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A starting point for the plan's risk assessment (FEMA Local Mitigation Plan Review Tool, Element B). It does not replace local data or FEMA review. Section headings say which FEMA review item each table supports; whether an item is satisfied is decided by the plan and its reviewers.

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Plan clock

Status	Approved, expires 2028-11-09	Plan	Washington County Update (FEMA plan 109297)
Approved	2023-11-10	Expires	2028-11-09
As of	2026-09-28	Days	773 days to expiry

What changed since your last plan (approved 2023-11-10)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	51 (data through 2026-06-30)
Repetitive loss now	FMA RL 3, SRL 10 (44 CFR 77.2); any definition: 69	Repeat-flood change	First release: no prior release to compare.

SOURCES: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API); FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API); NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>; FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

Plan status for every jurisdiction listed in this county: 38 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Update underway	Notes
Washington County	County	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		
Afton city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Bayport city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Birchwood Village city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Cottage Grove city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Dellwood city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Forest Lake city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Grant city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Hastings city	City	Approved, expires 2028-04-19	Dakota County (FEMA plan 108460)	2023-04-20	2028-04-19	569		member approved 2023-05-04
Hugo city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Lake Elmo city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Lake St. Croix Beach city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
Lakeland city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
Lakeland Shores city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Landfall city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Mahtomedi city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
Marine on St. Croix city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
Newport city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Oak Park Heights city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
Oakdale city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Pine Springs city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Scandia city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
St. Marys Point city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
St. Paul Park city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Stillwater city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
White Bear Lake city	City	Approved, expires 2030-06-03	Ramsey County 2025 Hazard Mitigation Plan (FEMA plan 110554)	2025-06-04	2030-06-03	1,344		member approved 2025-10-15
Willernie city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
Woodbury city	City	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Baytown township	Township	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Denmark township	Township	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
Grey Cloud Island township	Township	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
May township	Township	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
Stillwater township	Township	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2023-12-05
West Lakeland township	Township	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-01-03
Brown's Creek Watershed District	Water/Sewer Authority	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Comfort Lake-Forest Lake Watershed District	Water/Sewer Authority	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
South Washington Watershed District	Water/Sewer Authority	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-03-14
Valley Branch Watershed District	Water/Sewer Authority	Approved, expires 2028-11-09	Washington County Update (FEMA plan 109297)	2023-11-10	2028-11-09	773		member approved 2024-09-25

SOURCE
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B1-a: hazards

Hazards NRI does not cover: check locally

- 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)

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$41,419,681	\$4,618	\$26,446	\$41,450,744	13		
2	Tornado	Relatively High	Relatively High	\$8,533,591	\$1,153	\$10,970,425	\$19,505,169	19		
3	Strong Wind	Very High	Very High	\$6,381,349	\$54,843	\$4,172,708	\$10,608,899	138		Includes 7 High Wind records and 3 Strong Wind records, event types the NRI definition of this hazard leaves out.
4	Cold Wave	Relatively Moderate	Relatively High	\$193	\$2,015	\$10,462,166	\$10,464,374	20		Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
5	Hail	Relatively High	Relatively High	\$4,690,256	\$88,202	\$308,373	\$5,086,830	182		
6	Heat Wave	Relatively Moderate	Relatively Moderate	\$4,884	\$1	\$2,758,668	\$2,763,553	14		
7	Lightning	Relatively High	Relatively High	\$84,629		\$1,868,011	\$1,952,640	11		
8	Winter Weather	Relatively Moderate	Relatively High	\$34,709	\$440	\$284,145	\$319,295	118		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	EAL population equivalence statistical value of life and injury, \$13.7M per life, not property damage	EAL total (see note) modeled dollars per year	Storm Events records since 1996 count	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
9	Ice Storm	Relatively Moderate	Relatively Moderate	\$239,342		\$70,249	\$309,591	2		
10	Wildfire	Relatively Low	Relatively Low	\$181,433	\$53	\$20,800	\$202,286	0		Declared 1 time; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
11	Earthquake	Very Low	Very Low	\$19,300		\$5,124	\$24,423			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
12	Landslide	Relatively Low	Relatively Low	\$3,079		\$10,315	\$13,394	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
13	Drought	Very Low	Very Low		\$44		\$44	0		Declared 1 time; no Storm Events record of this type.
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Coastal Flooding	Not Applicable	Not Applicable					0	NRI rates coastal flooding Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	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).
	Tsunami	Not Applicable	Not Applicable					0	NRI rates tsunami Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Check your state hazard mitigation plan's hazard list for this county; explain any hazard you drop.

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 59
Coastal Flooding	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 59
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	59 of 59
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	29 of 59
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	59 of 59
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	59 of 59
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	59 of 59
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 59
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	59 of 59
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.	59 of 59
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	59 of 59
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	59 of 59
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	59 of 59
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	59 of 59
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 59
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 59
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	58 of 59
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	59 of 59

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	19, 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		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	1, 2012 to 2012 (1 zone-level)		Frost/Freeze, 2012-04-10, \$20,000 crop damage, reported for the zone (2012 dollars); NWS zone MNZ063 (WASHINGTON), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	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					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	203, 1962 to 2026	0.75 in to 2.75 in (median 1 in); 203 with a recorded value	2.75 in hail, 1999-06-05; same size also recorded on 1989-05-29	Hail, 1998-05-15, \$10,000,000 property; crops not reported (1998 dollars)	Event records naming member places: Woodbury city (30 records), Forest Lake city (24 records), Oakdale city (20 records), Cottage Grove city (15 records), Lake Elmo city (13 records), Stillwater city (12 records), Stillwater township (12 records), Hugo city (11 records), Newport city (7 records), Bayport city (6 records); and 11 more member places (see the XLSX file).	
Excessive Heat, Heat	heat index (narratives)	14, 1999 to 2023 (14 zone-level)	1 day to 5 days (median 2 days); 12 with a recorded value	5 consecutive days, 2013-08-25 to 2013-08-29, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Ice Storm	Sperry-Piltz (local data)	2, 1996 to 1998 (2 zone- level)		No damage reported in 2 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	13, 1997 to 2016 (5 zone- level)		No damage reported in 13 records.		Event records naming member places: Forest Lake city (2 records), Oakdale city (2 records), St. Paul Park city (2 records), Newport city (1 record), Woodbury city (1 record). Zone-level records (5) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	11, 1996 to 2021		Lightning, 2009-07-21, \$0 property; \$0 crops (2009 dollars), 1 direct death	Lightning, 2017-05-16, \$450,000 property; \$0 crops (2017 dollars)	Event records naming member places: Stillwater city (3 records), Stillwater township (3 records), Cottage Grove city (2 records), Lake Elmo city (1 record), Marine on St. Croix city (1 record), Newport city (1 record), Oakdale city (1 record), Woodbury city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	10, 1996 to 2018 (10 zone- level)	35 kt (40 mph) to 69 kt (79 mph) (median 51 kt (59 mph)); 10 with a recorded value	69 kt (79 mph) measured, High Wind, 2001-04-07; NWS zone MNZ063 (WASHINGTON), zone- level: may include parts of neighboring counties	Strong Wind, 2018-07-12, \$500 property; \$0 crops, reported for the zone (2018 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	159, 1960 to 2025	50 kt (58 mph) to 85 kt (98 mph) (median 52 kt (60 mph)); 132 with a recorded value	85 kt (98 mph), measurement type not recorded, Thunderstorm Wind, 1996-05-19	Thunderstorm Wind, 1998-05-30, \$14,000,000 property; crops not reported (1998 dollars)	Event records naming member places: Stillwater city (18 records), Stillwater township (18 records), Forest Lake city (17 records), Woodbury city (16 records), Cottage Grove city (14 records), Mahtomedi city (10 records), Oakdale city (10 records), Afton city (6 records), Hugo city (6 records), Lake Elmo city (6 records); and 11 more member places (see the XLSX file).	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	27, 1954 to 2020	F/EF0 to F/EF3 (median F/EF0); 27 with a recorded value	EF3 tornado, 2008-05-25, 4.35 mi within this county, 220 yd wide, \$25,000,000 property; crops not reported (2008 dollars), 1 direct death, 17 direct injuries		Event records naming member places: Forest Lake city (6 records), Marine on St. Croix city (4 records), Hugo city (2 records), Scandia city (2 records), Woodbury city (2 records), Afton city (1 record), Cottage Grove city (1 record), Grant city (1 record), Lake Elmo city (1 record), Mahtomedi city (1 record); and 2 more member places (see the XLSX file).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	0					Acres burned: in event narratives only; local data required.
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	118, 1996 to 2026 (118 zone-level)		No damage reported in 118 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Where a hazard names more than 10 member places, the table lists the 10 with the most records; every place is in the XLSX file, sheet "B1-c Extent".

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Supports B1-d: previous occurrences

Declaration rows

17

Counted incidents

14

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-04-07	2020-01-20	DR-4531-MN	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$1,131,301.12		
2020-03-13	2020-01-20	EM-3453-MN	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4531
2019-06-12	2019-03-12	DR-4442-MN	Major disaster	SEVERE WINTER STORM, STRAIGHT-LINE WINDS, AND FLOODING	Inland Flooding (primary); also designated: Strong Wind, Winter Weather	\$906,970.76		
2011-05-10	2011-03-16	DR-1982-MN	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$365,891.33		
2010-03-19	2010-03-01	EM-3310-MN	Emergency	FLOODING	Inland Flooding	none found		
2005-09-13	2005-08-29	EM-3242-MN	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found		
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	\$1,833,784.32		
2000-10-20	2000-10-19	FM-2345-MN	Fire management	MN - CARLOS EDGE FIRE COMPLEX - 10/19/2000	Wildfire	none found		
1998-06-23	1998-05-15	DR-1225-MN	Major disaster	SEVERE STORMS, STRAIGHT LINE WINDS, AND TORNADOES	Tornado (primary); also designated: Strong Wind	none found		
1997-04-08	1997-03-21	DR-1175-MN	Major disaster	SEVERE FLOODING, HIGH WINDS, SEVERE STORMS	Inland Flooding (primary); also designated: Strong Wind	none found		
1996-06-01	1996-03-14	DR-1116-MN	Major disaster	FLOODING AND SEVERE STORMS	Inland Flooding	none found		
1993-06-11	1993-05-06	DR-993-MN	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found		
1987-08-06	1987-07-20	DR-797-MN	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	PA not declared for this county		
1978-07-08	1978-07-08	DR-560-MN	Major disaster	SEVERE STORMS, FLOODING, HAIL & TORNADOES	Hail; Inland Flooding; Tornado	none found		
1976-06-17	1976-06-17	EM-3013-MN	Emergency	DROUGHT	Drought	none found		
1969-04-18	1969-04-18	DR-255-MN	Major disaster	FLOODING	Inland Flooding	none found		
1965-04-11	1965-04-11	DR-188-MN	Major disaster	FLOODING	Inland Flooding	none found		

School districts and special districts in this county: \$45,453.11 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan members in this county. They are not shown as member blocks, 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); do not add this line to the county total.

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

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

SOURCES

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
1957-06-22	1957-06-22	DR-80-MN	Major disaster	FLOODS	Inland Flooding		

FEMA recorded these with designated area Statewide and no county. Listed on every county page in the state; not counted with county rows.

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.

SOURCE

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance not placed in a county in this state: 14 rows, \$9,133,931.59

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated <i>federal share obligated, nominal dollars</i>	Why not placed
4666	2022-08-09	Sioux Valley Southwestern Electric Co-Op, INC. DBA Sioux Valley Energy	Moody County	\$142,289.22	county field is a county of another state and the applicant name does not identify a place in the declaring state
4666	2022-08-09	Western Minnesota Municipal Power Agency	Minnehaha County	\$1,040,838.24	county field is a county of another state and the applicant name does not identify a place in the declaring state
4659	2022-07-13	Minnkota Power Cooperative	Grand Forks County	\$22,222.50	county field is a county of another state and the applicant name does not identify a place in the declaring state
4658	2022-07-08	Western Minnesota Municipal Power Agency	Minnehaha County	\$48,276.63	county field is a county of another state and the applicant name does not identify a place in the declaring state
4442	2019-06-12	Sioux Valley Southwestern Electric Co-Op, INC. DBA Sioux Valley Energy	Moody County	\$1,540,004.12	county field is a county of another state and the applicant name does not identify a place in the declaring state
4442	2019-06-12	Dairyland Power Cooperative	La Crosse County	\$1,086,623.96	county field is a county of another state and the applicant name does not identify a place in the declaring state
4442	2019-06-12	Minnkota Power Cooperative	Grand Forks County	\$11,716.29	county field is a county of another state and the applicant name does not identify a place in the declaring state
4390	2018-09-05	Minnkota Power Cooperative	Grand Forks County	\$4,720,531.89	county field is a county of another state and the applicant name does not identify a place in the declaring state
4182	2014-07-21	Sioux Valley Southwestern Electric Co-Op, INC. DBA Sioux Valley Energy	Moody County	\$25,544.66	county field is a county of another state and the applicant name does not identify a place in the declaring state
4113	2013-05-03	Sioux Valley Southwestern Electric Co-Op, INC. DBA Sioux Valley Energy	Moody County	\$315,762.30	county field is a county of another state and the applicant name does not identify a place in the declaring state
1921	2010-07-02	Dairyland Power Cooperative	La Crosse County	\$41,629.91	county field is a county of another state and the applicant name does not identify a place in the declaring state
1830	2009-04-09	Minnkota Power Cooperative	Grand Forks County	\$52,576.73	county field is a county of another state and the applicant name does not identify a place in the declaring state
1622	2006-01-04	Minnkota Power Cooperative	Grand Forks County	\$79,292.25	county field is a county of another state and the applicant name does not identify a place in the declaring state
1288	1999-08-26	Minnkota Power Cooperative	Grand Forks County	\$6,622.89	county field is a county of another state and the applicant name does not identify a place in the declaring state

FEMA's Public Assistance summaries file these applicants under a county field that is not a county of this state (an Alaska school area, the former Valdez-Cordova Census Area, or another state's county), and the applicant name does not identify one place here. They are listed for the whole state and are not in any county total. Check whether any of them worked in your county.

SOURCE

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	20	3	1	4	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
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		No Storm Events record; local data required (e.g., USGS).
Hail	203	17	1	58	1	0	1955 to 2026-06-30	
Heat Wave	14	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	2	0	0	0	1	0	1996 to 2026-06-30	
Inland Flooding	13	0	0	0	11	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	11	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	169	9	3	12	3	0	1955 to 2026-06-30	Includes 7 High Wind records and 3 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	27	0	0	0	5	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	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)
Winter Weather	118	22	13	37	2	0	1996 to 2026-06-30	

SOURCESNOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2022-12-23	Extreme Cold/ Wind Chill		\$0 property; \$0 crops, reported for the zone (2022 dollars)	1, 0	NWS zone MNZ063 (WASHINGTON), zone-level: may include parts of neighboring counties	during plan review, check whether your last plan included it; within last 5 years	deaths or injuries recorded
2018-07-12	Strong Wind	43 kt (49 mph) estimated gust	\$500 property; \$0 crops, reported for the zone (2018 dollars)	0, 0	NWS zone MNZ063 (WASHINGTON), zone-level: may include parts of neighboring counties		B1-c most damaging: High Wind and Strong Wind (outside NRI Strong Wind definition)
2013-08-25	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2013 dollars)	0, 0	NWS zone MNZ063 (WASHINGTON), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
2012-04-10	Frost/Freeze		\$0 property; \$20,000 crops, reported for the zone (2012 dollars)	0, 0	NWS zone MNZ063 (WASHINGTON), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/Freeze (outside NRI Cold Wave definition)
2009-07-21	Lightning		\$0 property; \$0 crops (2009 dollars)	1, 0	STILLWATER		deaths or injuries recorded
2008-05-25	Tornado	EF3, 4.35 mi within this county, 220 yd wide	\$25,000,000 property; crops not reported (2008 dollars)	1, 17	HUGO to WITHROW		deaths or injuries recorded
2001-04-07	High Wind	69 kt (79 mph) measured	damage not reported	0, 0	NWS zone MNZ063 (WASHINGTON), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
1999-06-05	Hail	2.75 in	damage not reported	0, 0	FOREST LAKE		B1-c worst recorded: Hail
1998-05-30	Thunderstorm Wind	75 kt (86 mph), measurement type not recorded	\$14,000,000 property; crops not reported (1998 dollars)	0, 0	WOODBURY		B1-c most damaging: Thunderstorm Wind
1998-05-15	Hail	1.75 in	\$10,000,000 property; crops not reported (1998 dollars)	0, 0	FOREST LAKE		B1-c most damaging: Hail
1996-05-19	Thunderstorm Wind	85 kt (98 mph), measurement type not recorded	\$800,000 property; crops not reported (1996 dollars)	0, 0	COTTAGE GROVE		B1-c worst recorded: Thunderstorm Wind
1996-01-31	Cold/Wind Chill		damage not reported	0, 0	NWS zone MNZ063 (WASHINGTON), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill

The full list is in the **XLSX file, sheet "B1-d Storm Events history" (577 rows).**

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
 FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

State-declared emergencies are not in federal data. Add them from your state emergency management agency.

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

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		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Cold Wave	8.84	event-days per year	about 8.84 days per year	Likely	event-days in 10 of 30 years, 1996 to 2025 (33.3%)	168	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 8.84 cold wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 10 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	0.785	event-days per year	about 0.785 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	42	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Earthquake	0.000252	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0252%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	5.98	events per year	about 5.98 per year	Highly likely	FEMA annualized frequency (modeled)	227.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	6.05	event-days per year	about 6.05 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	91	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 6.05 heat wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 8 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.

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
Hurricane		events per year					1851 to 2024 (Atlantic)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	0.392	event-days per year	about 0.392 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	27	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.429	event-days per year	about 0.429 days per year	Likely	event-days in 9 of 30 years, 1996 to 2025 (30%)	12	1996 to 2023 (28 years)	see B1-f	
Landslide	0.166	events per year (modeled)	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	35.3	days per year with a strike	about 35.3 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	4.37	events per year	about 4.37 per year	Highly likely	FEMA annualized frequency (modeled)	166	1986 to 2023 (38 years)	countywide	
Tornado	0.284	events per year	about 1 in 4 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)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.000346	annual probability at a location	chance a given location in the county burns in a year: 0.0346%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Winter Weather	17.4	event-days per year	about 17.4 days per year	Highly likely	event-days in 27 of 30 years, 1996 to 2025 (90%)	330	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado,

hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county, which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Descriptor scale used in this packet (defined per unit)

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

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	104	30	3.47
Hail	2.00 in+	1996 to 2025	12	30	0.4
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	117	30	3.9
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	11	30	0.367
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	18	30	0.6
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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.

SOURCE
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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.

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 59				Not Applicable 59	
Coastal Flooding	0 of 59				Not Applicable 59	
Cold Wave	59 of 59	22.9	70.8	89.3	Relatively High 15, Relatively Moderate 42, Relatively Low 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	29 of 59	66.8	67.2	69.4	Very Low 29, No Rating 30	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	59 of 59	0.2	1.4	9.0	Very Low 59	
Hail	59 of 59	38.7	83.9	94.0	Relatively High 13, Relatively Moderate 44, Relatively Low 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	59 of 59	3.2	42.1	72.3	Relatively Moderate 12, Relatively Low 45, Very Low 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	0 of 59				Not Applicable 59	
Ice Storm	59 of 59	2.5	39.1	68.3	Relatively Low 40, Very Low 19	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Inland Flooding	59 of 59	0.4	36.1	96.8	Very High 1, Relatively High 1, Relatively Moderate 16, Relatively Low 31, Very Low 10	
Landslide	59 of 59	26.4	68.5	95.9	Relatively Moderate 1, Relatively Low 13, Very Low 45	
Lightning	59 of 59	9.9	71.1	93.6	Relatively High 15, Relatively Moderate 39, Relatively Low 4, Very Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Strong Wind	59 of 59	30.1	92.4	98.9	Very High 10, Relatively High 44, Relatively Moderate 4, Relatively Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	59 of 59	27.1	76.7	97.2	Very High 3, Relatively High 36, Relatively Moderate 17, Relatively Low 2, Very Low 1	
Tsunami	0 of 59				Not Applicable 59	
Volcanic Activity	0 of 59				Not Applicable 59	
Wildfire	58 of 59	27.3	61.0	88.8	Relatively Moderate 1, Relatively Low 21, Very Low 36, No Rating 1	
Winter Weather	59 of 59	19.7	57.7	79.5	Relatively High 2, Relatively Moderate 50, Relatively Low 7	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Washington County	County	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 9	\$14,913.63	0; 0	
Afton city	City	Approved, expires 2028-11-09	FMA RL 1, SRL 1; any 7	\$263,271.27	9; 1	
Bayport city	City	Approved, expires 2028-11-09	FMA RL 1, SRL 7; any 23	\$98,633.63	8; 0	
Birchwood Village city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	0; 0	
Cottage Grove city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	\$925,127.20	32; 1	
Dellwood city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	1; 0	
Forest Lake city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	49; 0	
Grant city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	4; 0	

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Hastings city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 4	none found	0; 0	Whole community, including the part in Dakota County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 2, NFIP SRL 0, any category 2.
Hugo city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	19; 1	
Lake Elmo city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 1	none found	21; 3	
Lake St. Croix Beach city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 3	\$271,022.15	1; 0	
Lakeland city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 2; any 9	\$26,896.24	2; 0	
Lakeland Shores city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 1	none found	0; 0	
Landfall city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	5; 3	
Mahtomedi city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	17; 0	
Marine on St. Croix city	City	Approved, expires 2028-11-09	FMA RL 1, SRL 0; any 1	none found	10; 1	
Newport city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 2	\$139,565.43	15; 0	
Oak Park Heights city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	5; 0	
Oakdale city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	33; 3	
Pine Springs city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	9; 0	
Scandia city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	\$35,952.77	12; 0	
St. Marys Point city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 9	none found	0; 0	
St. Paul Park city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 1	\$113,183.03	7; 2	
Stillwater city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 1	none found	34; 1	
White Bear Lake city	City	Approved, expires 2030-06-03	FMA RL 0, SRL 0; any 0	none found	0; 0	
Willernie city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	5; 0	

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>federal share obligated, nominal dollars</i>	<i>all years; since the member's plan</i>	
Woodbury city	City	Approved, expires 2028-11-09	FMA RL 0, SRL 0; any 0	none found	50; 9	
Baytown township	Township	Approved, expires 2028-11-09		none found	0; 0	No NFIP community ID on this member's plan row.
Denmark township	Township	Approved, expires 2028-11-09		none found	0; 0	No NFIP community ID on this member's plan row.
Grey Cloud Island township	Township	Approved, expires 2028-11-09		none found	0; 0	No NFIP community ID on this member's plan row.
May township	Township	Approved, expires 2028-11-09		none found	0; 0	No NFIP community ID on this member's plan row.
Stillwater township	Township	Approved, expires 2028-11-09		none found	34; 1	No NFIP community ID on this member's plan row.
West Lakeland township	Township	Approved, expires 2028-11-09		\$21,226.69	0; 0	No NFIP community ID on this member's plan row.

Member 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 member row, while the county table counts only its part in this county.

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

SOURCES

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Supports B2-a and B2-b: assets and impacts

Local data required

County-level starter. The plan must describe impacts for each participant and its own assets.

- Critical facilities and lifelines per hazard
 - A problem statement per participant 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

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-11-10 <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											Not Applicable in NRI for this county
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$59,899,087,382	\$76,973,870	267,506	\$193	\$2,015	\$10,462,166	under 0.0001%		\$0		
Drought		\$34,840,098			\$44		0.000126% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$99,400,633,750		267,568	\$19,300		\$5,124	under 0.0001%				
Hail	\$59,899,087,382	\$76,973,870	267,506	\$4,690,256	\$88,202	\$308,373	0.00783%		\$0		
Heat Wave	\$59,899,087,382	\$76,973,870	267,506	\$4,884	\$1	\$2,758,668	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$59,868,124,676		267,427	\$239,342		\$70,249	0.0004%				
Inland Flooding	\$59,836,296,769	\$1,186,184	1,959	\$41,419,681	\$4,618	\$26,446	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. EAL as % of exposure: n/a.
Landslide	\$1,177,529,205		4,851	\$3,079		\$10,315	0.000262%				
Lightning	\$59,899,087,382		267,506	\$84,629		\$1,868,011	0.000141%				
Strong Wind	\$59,899,087,382	\$76,973,870	267,506	\$6,381,349	\$54,843	\$4,172,708	0.0107%		\$0		
Tornado	\$59,899,087,382	\$76,973,870	267,506	\$8,533,591	\$1,153	\$10,970,425	0.0142%				
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$9,144,255,955	\$22,256,830	52,428	\$181,433	\$53	\$20,800	0.00198%				
Winter Weather	\$59,899,087,382	\$76,973,870	267,506	\$34,709	\$440	\$284,145	under 0.0001%		\$0		

Totals since 2023-11-10 (Storm Events through 2026-06-30): 26 county-coded records, 25 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 on counted declarations none found (0 declarations, 0 with PA).

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

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 must not be added up; the unit total counts each declaration once.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

Measure	Value
Population	267,506
Building value (total, not at risk)	\$59,899,087,382
Agriculture value (total, not at risk)	\$76,973,870
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$61,743,813
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)	\$30,957,430
Social vulnerability rating	Very Low
Community resilience rating	Very High
NRI version	December 2025

FEMA's all-hazard expected annual loss total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	3	Severe repetitive loss, FMA definition (44 CFR 77.2)	10
Repetitive loss, NFIP insurance definition	69	Severe repetitive loss, NFIP insurance definition	10

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties: county total and NFIP communities

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	3	10	69	10	69	1	19
HASTINGS, CITY OF	0	0	2	0	2	0	0
WASHINGTON COUNTY *	0	0	9	0	9	0	1
LAKE ELMO, CITY OF	0	0	1	0	1	1	0
MARINE-ON-ST. CROIX, CITY OF	1	0	1	0	1	0	0
NEWPORT, CITY OF	0	0	2	0	2	0	0
ST. PAUL PARK, CITY OF	0	0	1	0	1	0	0
AFTON, CITY OF	1	1	7	1	7	0	0
BAYPORT, CITY OF	1	7	23	7	23	0	8
LAKELAND, CITY OF	0	2	9	2	9	0	3
LAKELAND SHORES, CITY OF	0	0	1	0	1	0	0
LAKE ST. CROIX BEACH, CITY OF	0	0	3	0	3	0	3
ST. MARYS POINT, CITY OF	0	0	9	0	9	0	4
STILLWATER, CITY OF	0	0	1	0	1	0	0

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties by plan member (NFIP community)

Member	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>	Note
Washington County	270499	0	0	9	0	9	0	1	
Afton city	275226	1	1	7	1	7	0	0	
Bayport city	275229	1	7	23	7	23	0	8	
Birchwood Village city	270720	0	0	0	0	0	0	0	
Cottage Grove city	270502	0	0	0	0	0	0	0	
Dellwood city	270694	0	0	0	0	0	0	0	
Forest Lake city	270693	0	0	0	0	0	0	0	
Grant city	270780	0	0	0	0	0	0	0	
Hastings city	270105	0	0	4	0	4	0	1	Whole community, including the part in Dakota County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 2, NFIP SRL 0, any category 2.
Hugo city	270504	0	0	0	0	0	0	0	
Lake Elmo city	270505	0	0	1	0	1	1	0	

Member	NFIP community ID	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties	Note
Lake St. Croix Beach city	275240	0	0	3	0	3	0	3	
Lakeland city	275238	0	2	9	2	9	0	3	
Lakeland Shores city	275239	0	0	1	0	1	0	0	
Landfall city	270029	0	0	0	0	0	0	0	
Mahtomedi city	270698	0	0	0	0	0	0	0	
Marine on St. Croix city	270509	1	0	1	0	1	0	0	
Newport city	270510	0	0	2	0	2	0	0	
Oak Park Heights city	270512	0	0	0	0	0	0	0	
Oakdale city	270511	0	0	0	0	0	0	0	
Pine Springs city	270697	0	0	0	0	0	0	0	
Scandia city	270582	0	0	0	0	0	0	0	
St. Marys Point city	275247	0	0	9	0	9	0	4	
St. Paul Park city	270514	0	0	1	0	1	0	0	
Stillwater city	275249	0	0	1	0	1	0	0	
White Bear Lake city	270386	0	0	0	0	0	0	0	
Willernie city	270695	0	0	0	0	0	0	0	
Woodbury city	270699	0	0	0	0	0	0	0	

Per-member types: XLSX sheet 'B2-c Members'.

Member 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 member row, while the county table counts only its part in this county.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

County repeat-flood properties by occupancy group

Occupancy group	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
single-family residential	2	3	51	3	51	1	17
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	6	9	6	9	0	2
non-residential	1	1	9	1	9	0	0
not reported	0	0	0	0	0	0	0

Institutional properties cannot be separated in this data: FEMA's occupancy groups have no institutional class, so they fall in non-residential or other residential in the table by occupancy group.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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; OpenFEMA's fmaRI field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRI) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

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

Counts may differ from your state NFIP coordinator's list, which is the source the Handbook names.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 66 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Every table above lists its own sources. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <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 2026-09-28, 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 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
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Cite this: Hazard Plain (2026). Washington County, MN: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 27163). Preview: automated baseline. 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: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_MN_27163. Preview: automated baseline.