

Dane County, WI

Risk-assessment baseline packet

Unit **County area 55025** 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 2027-12-06	Plan	Dane County (FEMA plan 108424)
Approved	2022-12-07	Expires	2027-12-06
As of	2026-09-28	Days	434 days to expiry

What changed since your last plan (approved 2022-12-07)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	301 (data through 2026-06-30)
Repetitive loss now	FMA RL 1, SRL 2 (44 CFR 77.2); any definition: 14	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: 47 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 <i>negative = days since expiry</i>	Update underway	Notes
Dane County	County	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Belleville village	Village	Approved, expires 2028-04-03	Green County Hazard Mitigation Plan (FEMA plan 108643)	2023-04-04	2028-04-03	553		Also approved under plan 108424 (Dane County, expires 2027-12-06). 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. member approved 2026-08-05
Black Earth village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Blue Mounds village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Brooklyn village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434	FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cambridge village	Village	Plan 110820 approved 2025-08-06, pending adoption here; not yet eligible	Jefferson County Hazard Mitigation Plan 2025 (FEMA plan 110820), pending adoption here	2025-08-06 by FEMA; not yet adopted here	2030-08-05 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cottage Grove village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Cross Plains village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Dane village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		member approved 2022-12-19

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Deerfield village	Village	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
DeForest village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Edgerton city	City	Approved, expires 2028-04-19	Rock County (FEMA plan 109006)	2023-04-20	2028-04-19	569		Also approved under plan 108424 (Dane County, expires 2027-12-06). 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. member approved 2024-06-01
Fitchburg city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Madison city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Maple Bluff village	Village	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Marshall village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		member approved 2022-12-19
Mazomanie village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
McFarland village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Middleton city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Monona city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Mount Horeb village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Oregon village	Village	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Rockdale village	Village	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Shorewood Hills village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Stoughton city	City	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Sun Prairie city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Verona city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Waunakee village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Windsor village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Albion town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Berry town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Blue Mounds town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cottage Grove town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Dunn town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Mazomanie town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Montrose town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Oregon town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Perry town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Pleasant Springs town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Roxbury town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	Dane County (FEMA plan 108424), pending adoption here	2022-12-07 by FEMA; not yet adopted here	2027-12-06 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Springdale town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Springfield town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Vermont town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		member approved 2022-12-19
Verona town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Vienna town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
Westport town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	434		
University of Wisconsin-Madison	College/ University	Expired on 2018-11-20	University of Wisconsin-Madison (FEMA plan 3564)	2013-11-20	2018-11-20	-2,869		

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	EAL agriculture	EAL population equivalence	EAL total (see note)	Storm Events records since 1996	Evidence for an omission	Storm Events coverage note
				<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>statistical value of life and injury, \$13.7M per life, not property damage</i>	<i>modeled dollars per year</i>	<i>count</i>	<i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	
1	Inland Flooding	Relatively High	Relatively High	\$81,582,637	\$1,899,369	\$494,568	\$83,976,574	83		
2	Cold Wave	Very High	Very High	\$11,179	\$24,390	\$44,094,441	\$44,130,011	39		Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
3	Tornado	Relatively High	Relatively High	\$14,522,460	\$20,076	\$11,368,640	\$25,911,173	45		
4	Hail	Relatively High	Relatively High	\$11,336,747	\$336,134	\$1,034,269	\$12,707,150	484		

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
5	Heat Wave	Relatively Moderate	Relatively Moderate	\$2,218	\$7	\$8,067,130	\$8,069,355	47		
6	Strong Wind	Relatively High	Relatively High	\$1,021,137	\$74,346	\$1,905,302	\$3,000,785	399		Includes 11 High Wind records and 37 Strong Wind records, event types the NRI definition of this hazard leaves out.
7	Lightning	Relatively High	Relatively High	\$203,384		\$1,341,860	\$1,545,244	54		
8	Earthquake	Relatively Low	Relatively Low	\$774,049		\$262,381	\$1,036,430			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
9	Winter Weather	Relatively High	Relatively High	\$10,311	\$3,477	\$696,592	\$710,380	245		
10	Ice Storm	Relatively High	Relatively High	\$92,704		\$587,355	\$680,059	1		
11	Wildfire	Very Low	Relatively Low	\$95,508	\$184	\$9,629	\$105,320	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.
12	Drought	Relatively Low	Relatively Low		\$80,819		\$80,819	18		
13	Landslide	Relatively Moderate	Relatively Low	\$18,990		\$48,019	\$67,009	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.
14	Hurricane	Very Low	Very Low	\$12,757	\$3,819	under \$1	\$16,577	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	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).
	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.

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
	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 123
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 123
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	123 of 123
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	71 of 123
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.	123 of 123
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	123 of 123
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	123 of 123
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.	123 of 123
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	123 of 123
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.	123 of 123
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.	123 of 123
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	123 of 123
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	123 of 123
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.	123 of 123
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 123
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 123
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.	100 of 123
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	123 of 123

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.
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	38, 1996 to 2026 (38 zone-level)	1 day to 13 days (median 2 days); 30 with a recorded value	13 consecutive days, 2017-12-25 to 2018-01-06, 4 direct deaths, zone-level	Cold/Wind Chill, 2007-02-03, \$100,000 property; \$0 crops, reported for the zone (2007 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required. Cold/ Wind Chill records from May to September (a frost night, not a cold wave) are counted but not used for the longest run.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	1, 2016 to 2016 (1 zone-level)		Frost/Freeze, 2016-05-15, \$250,000 crop damage, reported for the zone (2016 dollars); NWS zone WIZ063 (DANE), 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	18, 2002 to 2012 (18 zone-level)	11 days to 158 days (median 131 days); 5 with a recorded value	158 days (about 5.2 months), 2012-06-26 to 2012-11-30, a run of 6 consecutive Storm Events drought records, zone-level	Drought, 2002-08-01, property not reported; \$300,000 crops, reported for the zone (2002 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	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)	555, 1958 to 2026	0.75 in to 4 in (median 1 in); 555 with a recorded value	4 in hail, 2026-04-14; same size also recorded on 1960-07-02	Hail, 2006-04-13, \$5,550,000 property; crops not reported (2006 dollars)	Event records naming member places: Madison city (33 records), Middleton city (32 records), Sun Prairie city (32 records), Oregon town (21 records), Oregon village (21 records), Verona city (20 records), Verona town (20 records), Mount Horeb village (18 records), Monona city (17 records), Maple Bluff village (14 records); and 21 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
Excessive Heat, Heat	heat index (narratives)	47, 1997 to 2026 (47 zone-level)	1 day to 5 days (median 2 days); 37 with a recorded value	5 consecutive days, 2012-07-02 to 2012-07-06, 1 direct death, 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. Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	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.
Ice Storm	Sperry-Piltz (local data)	1, 1996 to 1996 (1 zone-level)		No damage reported in 1 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)	83, 1996 to 2026 (3 zone-level)		Flash Flood, 2008-06-12, \$13,540,000 property; \$64,600,000 crops (2008 dollars)		Event records naming member places: Madison city (11 records), Mazomanie town (8 records), Mazomanie village (8 records), Sun Prairie city (7 records), Oregon town (5 records), Oregon village (5 records), Maple Bluff village (4 records), Middleton city (4 records), Waunakee village (4 records), Belleville village (3 records); and 13 more member places (see the XLSX file). Zone-level records (3) 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)	54, 1996 to 2026		Lightning, 2007-08-27, \$0 property; \$0 crops (2007 dollars), 1 direct death	Lightning, 2018-08-20, \$500,000 property; \$0 crops (2018 dollars)	Event records naming member places: Madison city (16 records), Cottage Grove town (3 records), Cottage Grove village (3 records), Cross Plains village (3 records), Fitchburg city (3 records), Black Earth village (2 records), Dane village (2 records), Deerfield village (2 records), Mazomanie town (2 records), Mazomanie village (2 records); and 11 more member places (see the XLSX file).	Storm Events lists lightning with damage or casualties; 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
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	48, 1997 to 2026 (47 zone-level)	26 kt (30 mph) to 62 kt (71 mph) (median 39.5 kt (45 mph)); 40 with a recorded value	62 kt (71 mph), measurement type not recorded, High Wind, 1997-04-06, 1 direct death (reported for the zone); NWS zone WIZ063 (DANE), zone-level: may include parts of neighboring counties	High Wind, 1998-11-10, \$600,000 property; \$150,000 crops, reported for the zone (1998 dollars)	Event records naming member places: Mount Horeb village (1 record). Zone-level records (47) apply countywide.	
Thunderstorm Wind	wind speed (kt and mph)	489, 1956 to 2026	43 kt (49 mph) to 87 kt (100 mph) (median 55.5 kt (64 mph)); 366 with a recorded value	87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1998-05-31, 2 direct injuries	Thunderstorm Wind, 2013-09-19, \$7,000,000 property; crops not reported (2013 dollars)	Event records naming member places: Madison city (32 records), Stoughton city (30 records), Sun Prairie city (23 records), Mount Horeb village (18 records), Belleville village (16 records), Oregon town (16 records), Oregon village (16 records), Middleton city (13 records), Waunakee village (12 records), Albion town (11 records); and 23 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	76, 1955 to 2026	F/EF0 to F/EF3 (median F/EF1); 75 with a recorded value	F3 tornado, 1992-06-17, 16 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 400 yd wide, \$25,000,000 property; crops not recorded (1992 dollars), 30 direct injuries	Tornado, 2005-08-18, \$34,310,000 property; \$750,000 crops (2005 dollars)	Event records naming member places: Albion town (3 records), Cross Plains village (3 records), Stoughton city (3 records), Verona city (3 records), Verona town (3 records), Waunakee village (3 records), Belleville village (2 records), Black Earth village (2 records), Dane village (2 records), Maple Bluff village (2 records); and 14 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	245, 1996 to 2026 (245 zone-level)		Winter Weather, 2007-03-27, \$300,000 property; \$0 crops, reported for the zone (2007 dollars); NWS zone WIZ063 (DANE), zone- level: may include parts of neighboring counties		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

19

Counted incidents

16

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
2020-04-04	2020-01-20	DR-4520-WI	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$541,505,632.01		
2020-03-13	2020-01-20	EM-3454-WI	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4520
2018-10-18	2018-08-17	DR-4402-WI	Major disaster	SEVERE STORMS, TORNADOES, STRAIGHT- LINE WINDS, FLOODING, AND LANDSLIDES	Inland Flooding (primary); also designated: Landslide, Strong Wind, Tornado	\$14,778,743.17		
2011-04-05	2011-01-31	DR-1966-WI	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$1,350,142.95		
2008-06-14	2008-06-05	DR-1768-WI	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado	\$1,442,456.60		
2008-03-19	2008-02-05	EM-3285-WI	Emergency	RECORD SNOW AND NEAR RECORD SNOW	Winter Weather	\$1,165,018.60		
2007-08-26	2007-08-18	DR-1719-WI	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county		
2005-09-13	2005-08-29	EM-3249-WI	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	\$9,932		
2004-06-18	2004-05-07	DR-1526-WI	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		
						<i>federal share obligated, nominal dollars</i>	Flags	Notes
2001-01-24	2000-12-11	EM-3163-WI	Emergency	SNOW	Winter Weather	\$540,337.33		
2000-06-24	2000-05-26	DR-1332-WI	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado	\$945,363.23		
1993-07-02	1993-06-07	DR-994-WI	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found		
1992-09-18	1992-06-17	DR-963-WI	Major disaster	SEVERE STORMS & TORNADOES	Tornado	none found		
1991-08-06	1991-07-07	DR-912-WI	Major disaster	SEVERE STORMS & HAIL	Hail	none found		
1990-07-13	1990-06-22	DR-874-WI	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found		
1984-06-12	1984-06-08	DR-710-WI	Major disaster	SEVERE STORMS & TORNADOES	Tornado	PA not declared for this county		
1978-07-07	1978-07-07	DR-559-WI	Major disaster	SEVERE STORMS, FLOODING, HAIL & TORNADOES	Hail; Inland Flooding; Tornado	none found		
1976-06-17	1976-06-17	EM-3014-WI	Emergency	DROUGHT	Drought	none found		
1976-03-23	1976-03-23	DR-496-WI	Major disaster	SEVERE STORMS, ICING, WIND & FLOODING	Inland Flooding	none found		

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)

Public Assistance filed under this county for declarations that do not list it: 1 row, \$2,781.94

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-1369-WI	2001-05-11	FLOODING, SEVERE STORMS AND TORNADOES	Wisconsin Historical Society	\$2,781.94

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.

SOURCES

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

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: 1 row, \$87,788.41

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated <i>federal share obligated, nominal dollars</i>	Why not placed
4383	2018-08-10	Merit Network, Inc.	Washtenaw County	\$87,788.41	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

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

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	39	5	1	6	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
Drought	18	0	0	0	1	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	555	165	34	199	2	0	1955 to 2026-06-30	
Heat Wave	47	6	3	9	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	0	0	1996 to 2026-06-30	
Inland Flooding	83	7	1	8	9	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	54	1	1	2	0	0	1996 to 2026-06-30	
Strong Wind	537	72	21	93	1	0	1955 to 2026-06-30	Includes 11 High Wind records and 37 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	76	7	1	8	8	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	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	245	38	11	49	3	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
2026-04-14	Hail	4 in	\$0 property; \$0 crops (2026 dollars)	0, 0	BURKE	new since last plan; within last 5 years	B1-c worst recorded: Hail
2017-12-25	Cold/Wind Chill		property not reported; \$0 crops, reported for the zone (2017 dollars)	3, 0	NWS zone WIZ063 (DANE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2016-05-15	Frost/Freeze		\$0 property; \$250,000 crops, reported for the zone (2016 dollars)	0, 0	NWS zone WIZ063 (DANE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/Freeze (outside NRI Cold Wave definition)
2012-07-02	Excessive Heat		damage not reported	1, 0	NWS zone WIZ063 (DANE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
2008-06-12	Flash Flood		\$13,540,000 property; \$64,600,000 crops (2008 dollars)	0, 0	CAMP RANDALL STADIUM to FITCHBURG		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2007-08-27	Lightning		\$0 property; \$0 crops (2007 dollars)	1, 0	DOWNTOWN MADISON		B1-c worst recorded: Lightning
2007-03-27	Winter Weather		\$300,000 property; \$0 crops, reported for the zone (2007 dollars)	0, 0	NWS zone WIZ063 (DANE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2005-08-18	Tornado	F3, 17 mi within this county, 600 yd wide	\$34,310,000 property; \$750,000 crops (2005 dollars)	1, 23	FITCHBURG		deaths or injuries recorded
1998-05-31	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	\$3,130,000 property; \$150,000 crops (1998 dollars)	0, 2	COUNTYWIDE		B1-c worst recorded: Thunderstorm Wind
1997-04-06	High Wind	62 kt (71 mph), measurement type not recorded	\$120,000 property; crops not reported, reported for the zone (1997 dollars)	1, 0	NWS zone WIZ063 (DANE), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
1992-06-17	Tornado	F3, 16 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 400 yd wide	\$25,000,000 property; crops not recorded (1992 dollars)	0, 30	location not recorded		B1-c worst recorded: Tornado
1967-08-02	Tornado	F3, 200 yd wide	\$25,000 property; crops not recorded (1967 dollars)	2, 5	location not recorded		deaths or injuries recorded

The full list is in the XLSX file, sheet "B1-d Storm Events history" (1,655 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)

1 Fire Management declaration (1980-04-24 to 1980-04-24) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

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	5.74	event-days per year	about 5.74 days per year	Likely	event-days in 20 of 30 years, 1996 to 2025 (66.7%)	109	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	3.44	event-days per year	about 3.44 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	182	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 3.44 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 5 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.
Earthquake	0.000659	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0659%			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	3.78	events per year	about 3.78 per year	Highly likely	FEMA annualized frequency (modeled)	143.8 (modeled)	1986 to 2023 (38 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
Heat Wave	3.53	event-days per year	about 3.53 days per year	Likely	event-days in 20 of 30 years, 1996 to 2025 (66.7%)	53	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.00776	events per year	about 1 in 129 years	Unlikely	FEMA annualized frequency (modeled)	0	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are counted separately in B1-d and need not match.
Ice Storm	0.622	event-days per year	about 0.622 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	42	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.07	event-days per year	about 2.07 days per year	Likely	event-days in 24 of 30 years, 1996 to 2025 (80%)	58	1996 to 2023 (28 years)	see B1-f	
Landslide	0.447	events per year (modeled)	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	37.1	days per year with a strike	about 37.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	4.4	events per year	about 4.4 per year	Highly likely	FEMA annualized frequency (modeled)	165	1986 to 2023 (38 years)	countywide	
Tornado	0.926	events per year	about 0.93 per year	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	0.000212	annual probability at a location	chance a given location in the county burns in a year: 0.0212%		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)

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
Winter Weather	16.1	event-days per year	about 16.1 days per year	Highly likely	event-days in 30 of 30 years, 1996 to 2025 (100%)	306	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	231	30	7.7
Hail	2.00 in+	1996 to 2025	36	30	1.2
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	255	30	8.5
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	34	30	1.13
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	40	30	1.33
Tornado	EF0-1	1996 to 2025	40	30	1.33
Tornado	EF2-3	1996 to 2025	3	30	0.1
Tornado	EF4-5	1996 to 2025	0	30	0
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 123				Not Applicable 123	
Coastal Flooding	0 of 123				Not Applicable 123	
Cold Wave	123 of 123	53.2	88.3	97.9	Very High 11, Relatively High 100, Relatively Moderate 12	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	71 of 123	66.9	72.9	88.9	Relatively Low 15, Very Low 56, No Rating 52	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	123 of 123	2.7	18.1	63.6	Relatively Low 6, Very Low 117	
Hail	123 of 123	66.8	87.9	98.9	Very High 1, Relatively High 51, Relatively Moderate 69, 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.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Heat Wave	123 of 123	14.1	58.9	85.7	Relatively High 3, Relatively Moderate 68, Relatively Low 51, 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.
Hurricane	123 of 123	13.5	18.5	34.3	Very Low 123	
Ice Storm	123 of 123	11.4	46.1	73.8	Relatively Moderate 6, Relatively Low 98, 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	123 of 123	2.7	40.2	95.2	Relatively High 11, Relatively Moderate 32, Relatively Low 57, Very Low 23	
Landslide	123 of 123	13.5	55.5	98.6	Relatively Moderate 4, Relatively Low 13, Very Low 106	
Lightning	123 of 123	13.5	45.3	74.0	Relatively Moderate 41, Relatively Low 77, Very Low 5	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.
Strong Wind	123 of 123	19.8	53.0	82.6	Relatively High 1, Relatively Moderate 57, Relatively Low 64, 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.
Tornado	123 of 123	40.5	68.3	96.7	Very High 1, Relatively High 44, Relatively Moderate 67, Relatively Low 11	
Tsunami	0 of 123				Not Applicable 123	
Volcanic Activity	0 of 123				Not Applicable 123	
Wildfire	100 of 123	18.7	48.2	80.3	Relatively Low 25, Very Low 75, No Rating 23	
Winter Weather	123 of 123	31.0	63.2	85.2	Relatively High 8, Relatively Moderate 104, Relatively Low 11	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
Dane County	County	Approved, expires 2027-12-06	FMA RL 1, SRL 2; any 8	\$8,179,960.70	0; 0	Includes \$7,607,885.44 for declarations not counted as hazard incidents (DR-4520-WI).
Belleville village	Village	Approved, expires 2028-04-03	FMA RL 0, SRL 0; any 0	\$370,433.28	24; 4	Also approved under plan 108424 (Dane County, expires 2027-12-06). 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.
Black Earth village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 2	\$259,252.30	20; 5	
Blue Mounds village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$13,478.94	12; 1	
Brooklyn village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$27,982.58	3; 0	Includes \$4,494.20 for declarations not counted as hazard incidents (DR-4520-WI).
Cambridge village	Village	Plan 110820 approved 2025-08-06, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$39,236.59	0; no approved plan	
Cottage Grove village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$43,186.67	24; 4	
Cross Plains village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$254,493.15	30; 6	
Dane village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$5,123.75	17; 2	
Deerfield village	Village	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$21,984.49	12; no approved plan	
DeForest village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 1	\$47,519.41	0; 0	
Edgerton city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 0	none found	0; 0	Also approved under plan 108424 (Dane County, expires 2027-12-06). 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.
Fitchburg city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$133,791.13	17; 1	
Madison city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 1	\$4,106,301.01	92; 0	Includes \$544,445.59 for declarations not counted as hazard incidents (DR-4520-WI).
Maple Bluff village	Village	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$29,320.96	27; no approved plan	

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>	
Marshall village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$85,049.96	25; 2	
Mazomanie village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$285,344.74	28; 7	
McFarland village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$66,817.67	1; 0	
Middleton city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 1	\$3,881,610.71	51; 10	
Monona city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 1	\$186,598.26	29; 6	
Mount Horeb village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$60,073.53	41; 5	
Oregon village	Village	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$26,270.03	45; no approved plan	
Rockdale village	Village	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$930	12; no approved plan	
Shorewood Hills village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$163,217.37	24; 9	
Stoughton city	City	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$81,105.38	48; no approved plan	
Sun Prairie city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$207,808.91	65; 15	Includes \$97,733.44 for declarations not counted as hazard incidents (DR-4520-WI).
Verona city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$74,293.25	34; 4	
Waunakee village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$24,448.63	31; 10	
Windsor village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$47,333.33	12; 3	
Albion town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		none found	30; no approved plan	No NFIP community ID on this member's plan row.

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>	
Berry town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$90,393.49	0; no approved plan	No NFIP community ID on this member's plan row.
Blue Mounds town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$27,090.23	12; no approved plan	No NFIP community ID on this member's plan row.
Cottage Grove town	Town	Approved, expires 2027-12-06		\$61,973	24; 4	No NFIP community ID on this member's plan row.
Dunn town	Town	Approved, expires 2027-12-06		\$185,423.51	0; 0	No NFIP community ID on this member's plan row.
Mazomanie town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$4,944.28	28; no approved plan	No NFIP community ID on this member's plan row.
Montrose town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$14,253.10	2; no approved plan	No NFIP community ID on this member's plan row.
Oregon town	Town	Approved, expires 2027-12-06		\$26,454.50	45; 19	No NFIP community ID on this member's plan row.
Perry town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$12,631.07	0; no approved plan	No NFIP community ID on this member's plan row.
Pleasant Springs town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$83,835.42	0; no approved plan	No NFIP community ID on this member's plan row.
Roxbury town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		none found	12; no approved plan	No NFIP community ID on this member's plan row.
Springdale town	Town	Approved, expires 2027-12-06		\$76,135.30	0; 0	No NFIP community ID on this member's plan row.
Springfield town	Town	Approved, expires 2027-12-06		\$91,365.36	0; 0	No NFIP community ID on this member's plan row.
Vermont town	Town	Approved, expires 2027-12-06		\$47,686.98	0; 0	No NFIP community ID on this member's plan row.
Verona town	Town	Approved, expires 2027-12-06		\$50,668.51	34; 4	No NFIP community ID on this member's plan row.

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>	
Vienna town	Town	Approved, expires 2027-12-06		\$95,136.75	0; 0	No NFIP community ID on this member's plan row.
Westport town	Town	Approved, expires 2027-12-06		\$135,701.75	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	Agriculture exposure	Population exposed	EAL buildings	EAL agriculture	EAL population equivalence	EAL as % of exposure	Storm Events damage since 2022-12-07	Zone-level damage since plan	Public Assistance since plan	Note
	<i>modeled dollars</i>	<i>modeled dollars</i>	<i>people</i>	<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>statistical value of life and injury, \$13.7M per life, not property damage</i>	<i>buildings; agriculture where noted</i>	<i>county-coded records, property plus crops, nominal dollars</i>	<i>property plus crops, reported for the zone</i>	<i>nominal dollars; see note</i>	
Avalanche											Not Applicable in NRI for this county
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$151,090,959,100	\$655,485,634	561,270	\$11,179	\$24,390	\$44,094,441	under 0.0001%		\$0		
Drought		\$195,948,493			\$80,819		0.0412% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$262,396,661,729		561,504	\$774,049		\$262,381	0.000295%				

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 2022-12-07 <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
Hail	\$151,090,972,283	\$655,485,634	561,270	\$11,336,747	\$336,134	\$1,034,269	0.0075%	\$0			
Heat Wave	\$151,090,959,100	\$655,485,634	561,270	\$2,218	\$7	\$8,067,130	under 0.0001%		\$0		
Hurricane	\$151,090,972,283	\$655,485,634	561,270	\$12,757	\$3,819	under \$1	under 0.0001%				
Ice Storm	\$151,087,522,233		561,260	\$92,704		\$587,355	under 0.0001%				
Inland Flooding	\$150,944,092,637	\$46,032,180	2,762	\$81,582,637	\$1,899,369	\$494,568	n/a (see note)	\$66,000			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	\$2,705,950,003		9,029	\$18,990		\$48,019	0.000702%				
Lightning	\$151,090,972,283		561,270	\$203,384		\$1,341,860	0.000135%	\$20,000			
Strong Wind	\$151,090,972,283	\$655,485,634	561,270	\$1,021,137	\$74,346	\$1,905,302	0.000676%	\$495,000	\$40,000		Storm Events damage since the plan includes 1 zone-level High Wind record (\$40,000), an event type the NRI definition of this hazard leaves out.
Tornado	\$151,090,972,283	\$655,485,634	561,270	\$14,522,460	\$20,076	\$11,368,640	0.00961%	\$4,537,000			
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$6,982,927,178	\$110,601,720	33,583	\$95,508	\$184	\$9,629	0.00137%				
Winter Weather	\$151,090,959,100	\$655,485,634	561,270	\$10,311	\$3,477	\$696,592	under 0.0001%		\$25,000		

Totals since 2022-12-07 (Storm Events through 2026-06-30): 251 county-coded records, 222 with a damage value recorded (including \$0), \$5,118,000; 50 zone-level records, 50 with a damage value recorded (including \$0), \$65,000 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)

Supports B2-a: context

County context

Measure	Value
Population	561,270
Building value (total, not at risk)	\$151,090,972,283
Agriculture value (total, not at risk)	\$655,485,634
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$112,126,703
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)	\$69,910,186
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)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	2
Repetitive loss, NFIP insurance definition	13	Severe repetitive loss, NFIP insurance definition	1

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 and state-level rows

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	1	2	13	1	14	1	2
DANE COUNTY*	1	2	7	1	8	1	1
BLACK EARTH, VILLAGE OF	0	0	2	0	2	0	1
DEFOREST, VILLAGE OF	0	0	1	0	1	0	0

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>
MADISON, CITY OF	0	0	1	0	1	0	0
MIDDLETON, CITY OF	0	0	1	0	1	0	0
MONONA, CITY OF	0	0	1	0	1	0	0
State level, not in this county: county not reported	0	0	2	0	2	0	0

SOURCESFEMA, 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
Dane County	550077	1	2	7	1	8	1	1	
Belleville village	550159	0	0	0	0	0	0	0	
Black Earth village	550079	0	0	2	0	2	0	1	
Blue Mounds village	550620	0	0	0	0	0	0	0	
Brooklyn village	550621	0	0	0	0	0	0	0	
Cambridge village	550080	0	0	0	0	0	0	0	
Cottage Grove village	550617	0	0	0	0	0	0	0	
Cross Plains village	550081	0	0	0	0	0	0	0	
Dane village	550622	0	0	0	0	0	0	0	
Deerfield village	550623	0	0	0	0	0	0	0	
DeForest village	550082	0	0	1	0	1	0	0	
Edgerton city	550365	0	0	0	0	0	0	0	
Fitchburg city	550610	0	0	0	0	0	0	0	
Madison city	550083	0	0	1	0	1	0	0	
Maple Bluff village	550618	0	0	0	0	0	0	0	
Marshall village	550084	0	0	0	0	0	0	0	
Mazomanie village	550085	0	0	0	0	0	0	0	
McFarland village	550086	0	0	0	0	0	0	0	
Middleton city	550087	0	0	1	0	1	0	0	
Monona city	550088	0	0	1	0	1	0	0	
Mount Horeb village	550624	0	0	0	0	0	0	0	
Oregon village	550089	0	0	0	0	0	0	0	
Rockdale village	550090	0	0	0	0	0	0	0	
Shorewood Hills village	550556	0	0	0	0	0	0	0	
Stoughton city	550091	0	0	0	0	0	0	0	

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
Sun Prairie city	550573	0	0	0	0	0	0	0	
Verona city	550092	0	0	0	0	0	0	0	
Waunakee village	550093	0	0	0	0	0	0	0	
Windsor village	550634	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 <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	2	10	1	11	1	1
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	2	0	2	0	1
not reported	0	0	0	0	0	0	0

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 12 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/>
7. 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>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-28, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

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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_WI_55025. Preview: automated baseline.