

Dane County, WI

Risk-assessment baseline packet

County FIPS: 55025 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

Hazard Plain is an independent product built from public federal data. It is not a FEMA document and is not reviewed or endorsed by FEMA or any state agency.

Summary

Plan status as of 2026-09-30: Approved, expires 2027-12-06. Plan: Dane County (FEMA plan 108424), approved 2022-12-07.

Since the plan was approved on 2022-12-07: no new hazard declaration and 301 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$83,976,574 a year), Cold Wave (\$44,130,011) and Tornado (\$25,911,173).

The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.

NRI: FEMA's National Risk Index (version 1.20, December 2025).

NFIP: National Flood Insurance Program.

RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).

FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.

PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.

Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.

County-coded: NOAA logged the event to this county.

FIPS: the federal code for a place; 55025 is this area.

D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).

F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.

kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.

CFR: Code of Federal Regulations.

A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).

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

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Plan clock

Status:	Approved, expires 2027-12-06	Plan:	Dane County (FEMA plan 108424)
Approved:	2022-12-07	Days to expiry:	432

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

New federal declarations:	none	Storm Events records since approval:	301 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 1, SRL 2 (44 CFR 77.2); any definition: 14	Repeat-flood change:	this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county: 47 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Dane County	County	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Belleville village	Village	Approved, expires 2028-04-03	Green County Hazard Mitigation Plan (FEMA plan 108643)	2023-04-04	2028-04-03	551		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. this jurisdiction approved 2026-08-05
Black Earth village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Blue Mounds village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Brooklyn village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432	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	432		
Cross Plains village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Dane village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		this jurisdiction approved 2022-12-19
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	432		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Edgerton city	City	Approved, expires 2028-04-19	Rock County (FEMA plan 109006)	2023-04-20	2028-04-19	567		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. this jurisdiction approved 2024-06-01
Fitchburg city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Madison city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
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	432		this jurisdiction approved 2022-12-19
Mazomanie village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
McFarland village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Middleton city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Monona city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Mount Horeb village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
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	432		
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	432		
Verona city	City	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Waunakee village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Windsor village	Village	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
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	432		
Dunn town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
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	432		
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.
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	432		
Springfield town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Vermont town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		this jurisdiction approved 2022-12-19
Verona town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Vienna town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
Westport town	Town	Approved, expires 2027-12-06	Dane County (FEMA plan 108424)	2022-12-07	2027-12-06	432		
University of Wisconsin-Madison	College/University	Expired on 2018-11-20	University of Wisconsin-Madison (FEMA plan 3564)	2013-11-20	2018-11-20	-2,871		

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- dam failure (incl. upstream dams)
- levee failure
- flash flood as its own subtype
- ice jams
- debris flows
- erosion (riverine and coastal)
- land subsidence and sinkholes
- expansive soils

The 18 National Risk Index hazards, ranked by expected annual loss (EAL)

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively 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 (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
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	
5	Heat Wave	Relatively Moderate	Relatively Moderate	\$2,218	\$7	\$8,067,130	\$8,069,355	47	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
6	Strong Wind	Relatively High	Relatively High	\$1,021,137	\$74,346	\$1,905,302	\$3,000,785	399	Includes 11 High Wind and 37 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
7	Lightning	Relatively High	Relatively High	\$203,384	n/a	\$1,341,860	\$1,545,244	54	
8	Earthquake	Relatively Low	Relatively Low	\$774,049	n/a	\$262,381	\$1,036,430		Storm Events does not record earthquakes.
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	n/a	\$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).
12	Drought	Relatively Low	Relatively Low	n/a	\$80,819	n/a	\$80,819	18	
13	Landslide	Relatively Moderate	Relatively Low	\$18,990	n/a	\$48,019	\$67,009	0	Declared 1 time; no Storm Events record of this type.
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).

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

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local wildfire and landslide records (Storm Events records these hazards only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: avalanche, coastal flooding, tsunami and volcanic activity. That is the evidence for leaving them out of the plan.

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 25 (Relatively Low, 63.6); tract 11.02 (Relatively Low, 60.4); tract 17.04 (Relatively Low, 58.1)
Hurricane	tract 126 (Very Low, 34.3); tract 11.02 (Very Low, 30.3); tract 118 (Very Low, 28.1)
Landslide	tract 129 (Relatively Moderate, 98.6); tract 127 (Relatively Moderate, 97.9); tract 131 (Relatively Moderate, 97.3)
Tornado	tract 11.02 (Very High, 96.7); tract 119 (Relatively High, 92.1); tract 132.02 (Relatively High, 92.0)
Wildfire	tract 126 (Relatively Low, 80.3); tract 106 (Relatively Low, 79.6); tract 132.02 (Relatively Low, 78.6)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 25 is Census Tract 25). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	38 records, 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 (zone total, 2007 dollars)	Countywide (zone-level records).	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's Cold Wave definition)	crop damage	1 record, 2016 (1 zone-level)		Frost/Freeze, 2016-05-15, \$250,000 crop damage (2016 dollars); NWS zone WIZ063		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	18 records, 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 (zone total, 2002 dollars)	Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	555 records, 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 jurisdictions in the plan: 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 jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	47 records, 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		Countywide (zone-level records).	Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	1 record, 1996 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	83 records, 1996 to 2026 (3 zone-level)		Flash Flood, 2008-06-12, \$13,540,000 property; \$64,600,000 crops (2008 dollars)		Event records naming jurisdictions in the plan: 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 jurisdictions (see the Excel file). Zone-level records (3) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	54 records, 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 jurisdictions in the plan: 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 jurisdictions (see the Excel file).	Storm Events lists lightning with damage or casualties.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	48 records, 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	High Wind, 1998-11-10, \$600,000 property; \$150,000 crops (zone total, 1998 dollars)	Event records naming jurisdictions in the plan: Mount Horeb village (1 record). Zone-level records (47) apply countywide.	
Thunderstorm Wind	wind speed (kt and mph)	489 records, 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 jurisdictions in the plan: 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 jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	76 records, 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 (whole path, pre-1996), 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 jurisdictions in the plan: 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 jurisdictions (see the Excel file).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	245 records, 1996 to 2026 (245 zone-level)		Winter Weather, 2007-03-27, \$300,000 property; \$0 crops (2007 dollars); NWS zone WIZ063		Countywide (zone-level records).	

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

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of debris flow and lightning.

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 19 declarations covering 16 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2020-04-04	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	no Public Assistance recorded	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	
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	no Public Assistance recorded	
1992-09-18	1992-06-17	DR-963-WI	Major disaster	Severe Storms & Tornadoes	Tornado	no Public Assistance recorded	
1991-08-06	1991-07-07	DR-912-WI	Major disaster	Severe Storms & Hail	Hail	no Public Assistance recorded	
1990-07-13	1990-06-22	DR-874-WI	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded	
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	no Public Assistance recorded	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	
						<i>federal share obligated, nominal dollars</i>	Notes
1976-06-17	1976-06-17	EM-3014-WI	Emergency	Drought	Drought	no Public Assistance recorded	
1976-03-23	1976-03-23	DR-496-WI	Major disaster	Severe Storms, Icing, Wind & Flooding	Inland Flooding	no Public Assistance recorded	

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

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

Sources: 2, 3

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.

Public Assistance not placed in any Wisconsin county: 1 row, \$87,788.41; listed on the Wisconsin state page.

Source: 3

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	39	5	1	6	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	18	0	0	0	1	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
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)

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
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 and 37 Strong Wind records.
Tornado	76	7	1	8	8	0	1950 to 2026-06-30	
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	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2026-04-14	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 (zone total, 2017 dollars)	3, 0	NWS zone WIZ063 (DANE), zone-level		deaths or injuries recorded
2016-05-15	Frost/Freeze		\$0 property; \$250,000 crops (zone total, 2016 dollars)	0, 0	NWS zone WIZ063 (DANE), zone-level		B1-c worst recorded: Frost/Freeze
2012-07-02	Excessive Heat		damage not reported	1, 0	NWS zone WIZ063 (DANE), zone-level		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 (zone total, 2007 dollars)	0, 0	NWS zone WIZ063 (DANE), zone-level		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 (zone total, 1997 dollars)	1, 0	NWS zone WIZ063 (DANE), zone-level		B1-c worst recorded: High Wind and Strong Wind
1992-06-17	Tornado	F3, 16 mi path length (whole path, pre-1996), 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 Excel file, sheet "B1-d Storm Events history" (1,655 rows).

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

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.

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	5.74	event-days per year	about 5.74 days per year	Likely	Storm Events event- days in 20 of 30 years, 1996 to 2025 (66.7%)	109	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	3.44	event-days per year	about 3.44 days per year	Likely	Storm Events event- days in 5 of 30 years, 1996 to 2025 (16.7%)	182	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
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	No descriptor (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	
Heat Wave	3.53	event-days per year	about 3.53 days per year	Likely	Storm Events 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 in B1-d.
Ice Storm	0.622	event-days per year	about 0.622 days per year	Possible	Storm Events 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	Storm Events 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	

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
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	
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 descriptor: no Storm Events record 1996 to 2025
Winter Weather	16.1	event-days per year	about 16.1 days per year	Highly likely	Storm Events 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) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year
events per year	Likely	about once in 1 to 10 years
events per year	Possible	about once in 10 to 100 years
events per year	Unlikely	less than once in 100 years
annual probability	Likely	10% to under 100% chance in a given year
annual probability	Possible	1% to under 10% chance in a given year
annual probability	Unlikely	under 1% chance in a given year
event-days (share of years)	Highly likely	event-days recorded in 90% or more of years
event-days (share of years)	Likely	event-days recorded in 10% to under 90% of years
event-days (share of years)	Possible	event-days recorded in some years but under 10% of years
lightning strike-days	Highly likely	cloud-to-ground strikes on 1 or more days per year

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	231	30	7.7
Hail	2.00 in+	1996 to 2025	36	30	1.2
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	255	30	8.5
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	34	30	1.13
Thunderstorm Wind (counted as NRI Strong Wind)	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

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	123 of 123	53.2	88.3	97.9	Very High 11, Relatively High 100, Relatively Moderate 12
Drought	71 of 123	66.9	72.9	88.9	Relatively Low 15, Very Low 56, No Rating 52
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
Heat Wave	123 of 123	14.1	58.9	85.7	Relatively High 3, Relatively Moderate 68, Relatively Low 51, Very Low 1
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
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
Strong Wind	123 of 123	19.8	53.0	82.6	Relatively High 1, Relatively Moderate 57, Relatively Low 64, Very Low 1

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	123 of 123	40.5	68.3	96.7	Very High 1, Relatively High 44, Relatively Moderate 67, Relatively Low 11
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

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Dane County	County	Approved, expires 2027-12-06	FMA RL 1, SRL 2; any 8	\$8,179,960.70	0 total; 0 since its plan	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 total; 4 since its plan	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 total; 5 since its plan	
Blue Mounds village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$13,478.94	12 total; 1 since its plan	
Brooklyn village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$27,982.58	3 total; 0 since its plan	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 total; no approved plan	
Cottage Grove village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$43,186.67	24 total; 4 since its plan	
Cross Plains village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$254,493.15	30 total; 6 since its plan	
Dane village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$5,123.75	17 total; 2 since its plan	
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 total; no approved plan	

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
DeForest village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 1	\$47,519.41	0 total; 0 since its plan	
Edgerton city	City	Approved, expires 2028-04-19	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	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 total; 1 since its plan	
Madison city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 1	\$4,106,301.01	92 total; 0 since its plan	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 total; no approved plan	
Marshall village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$85,049.96	25 total; 2 since its plan	
Mazomanie village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$285,344.74	28 total; 7 since its plan	
McFarland village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$66,817.67	1 total; 0 since its plan	
Middleton city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 1	\$3,881,610.71	51 total; 10 since its plan	
Monona city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 1	\$186,598.26	29 total; 6 since its plan	
Mount Horeb village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$60,073.53	41 total; 5 since its plan	
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 total; 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 total; no approved plan	
Shorewood Hills village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$163,217.37	24 total; 9 since its plan	
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 total; no approved plan	
Sun Prairie city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$207,808.91	65 total; 15 since its plan	Includes \$97,733.44 for declarations not counted as hazard incidents (DR-4520-WI).

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Verona city	City	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$74,293.25	34 total; 4 since its plan	
Waunakee village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$24,448.63	31 total; 10 since its plan	
Windsor village	Village	Approved, expires 2027-12-06	FMA RL 0, SRL 0; any 0	\$47,333.33	12 total; 3 since its plan	
Albion town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		no Public Assistance recorded	30 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.
Berry town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$90,393.49	0 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.
Blue Mounds town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$27,090.23	12 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.
Cottage Grove town	Town	Approved, expires 2027-12-06		\$61,973	24 total; 4 since its plan	No NFIP community ID on this jurisdiction's plan row.
Dunn town	Town	Approved, expires 2027-12-06		\$185,423.51	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Mazomanie town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$4,944.28	28 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.
Montrose town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$14,253.10	2 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.
Oregon town	Town	Approved, expires 2027-12-06		\$26,454.50	45 total; 19 since its plan	No NFIP community ID on this jurisdiction's plan row.
Perry town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$12,631.07	0 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.
Pleasant Springs town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		\$83,835.42	0 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Roxbury town	Town	Plan 108424 approved 2022-12-07, pending adoption here; not yet eligible		no Public Assistance recorded	12 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.
Springdale town	Town	Approved, expires 2027-12-06		\$76,135.30	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Springfield town	Town	Approved, expires 2027-12-06		\$91,365.36	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Vermont town	Town	Approved, expires 2027-12-06		\$47,686.98	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Verona town	Town	Approved, expires 2027-12-06		\$50,668.51	34 total; 4 since its plan	No NFIP community ID on this jurisdiction's plan row.
Vienna town	Town	Approved, expires 2027-12-06		\$95,136.75	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Westport town	Town	Approved, expires 2027-12-06		\$135,701.75	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.

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

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

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

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

Local data needed

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

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 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
Cold Wave	\$151,090,959,100	\$655,485,634	561,270	\$11,179	\$24,390	\$44,094,441	under 0.0001%		\$0		
Drought	n/a	\$195,948,493	n/a	n/a	\$80,819	n/a	0.0412% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$262,396,661,729	n/a	561,504	\$774,049	n/a	\$262,381	0.000295%				
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	n/a	561,260	\$92,704	n/a	\$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.
Landslide	\$2,705,950,003	n/a	9,029	\$18,990	n/a	\$48,019	0.000702%				
Lightning	\$151,090,972,283	n/a	561,270	\$203,384	n/a	\$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): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$151,090,972,283	\$655,485,634	561,270	\$14,522,460	\$20,076	\$11,368,640	0.00961%	\$4,537,000			

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 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
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: no counted declaration since the plan.

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column does not add up to the total; the unit total counts each declaration once.

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

County context

Source: 5

Measure	Value
Population	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 adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	2
Repetitive loss, NFIP insurance definition	13	Severe repetitive loss, NFIP insurance definition	1

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

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	1	2	13	1	14	1	2
of which: Dane County (unincorporated area)	1	2	7	1	8	1	1
of which: Black Earth village	0	0	2	0	2	0	1
of which: Deforest village	0	0	1	0	1	0	0
of which: Madison city	0	0	1	0	1	0	0
of which: Middleton city	0	0	1	0	1	0	0
of which: Monona city	0	0	1	0	1	0	0
Statewide, no county in FEMA's file	0	0	2	0	2	0	0

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
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

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
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
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

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	1	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

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 12 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each item is met.

The plan adds what only the community has: local data on assets, critical facilities, development and each jurisdiction's impacts; local hazard history, including state-declared emergencies; the mitigation strategy; and adoption.

How the federal data are built: National Risk Index values are FEMA's model, not counts of events. Storm Events is more complete from 1996; zone-level records are placed by forecast zone, not by location in the county. Public Assistance for a jurisdiction is matched by applicant name. The Methods page gives every rule and the known edge cases.

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This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

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Cite this: Hazard Plain (2026). Dane County, WI: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 55025). Automated baseline. <https://hazardplain.org/wi/55025/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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