



# Midweek Winter Storm

February 20, 2023  
3:31 PM

## Significant Snow Accumulations for Tuesday through Thursday

### Key Messages

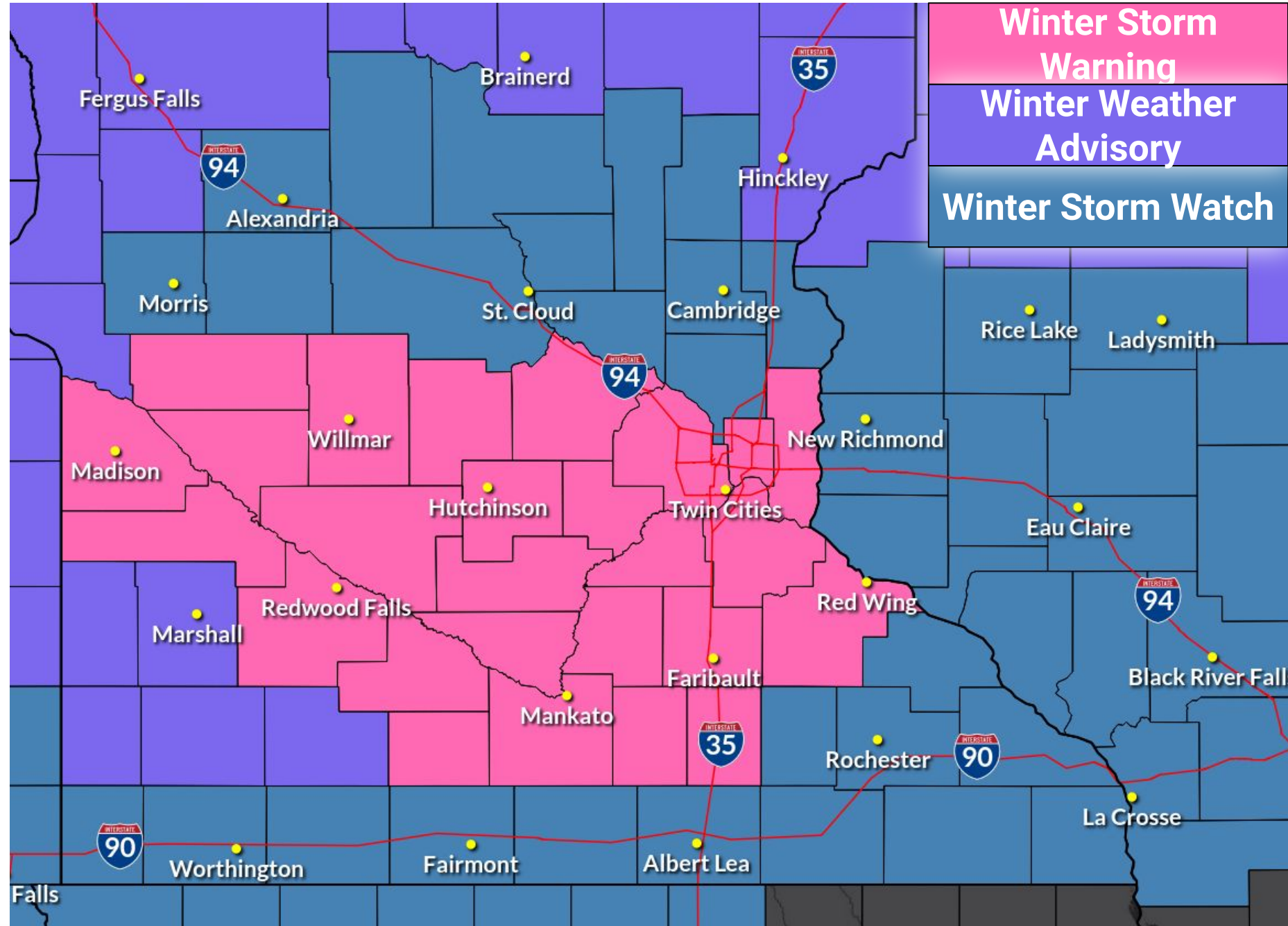
- Significant 3-Day Winter Storm will bring widespread accumulating snow, with blowing and drifting snow mainly Wed-Thu.
- Two main rounds of snow are expected with a “lull” and lighter snow in between. The **first round** arrives on Tuesday afternoon/evening ending Wednesday morning, the **second round** arrives Wednesday afternoon/evening and lasts through much of Thursday.
- Significant travel disruptions are expected due to snowfall accumulations and blowing snow.

### What Has Changed

- A Winter Storm Warning has been issued Tuesday PM through Thursday PM in Pink
- Snow potential images for Tue-Thu have included the final 6 hours of the event.

### Next Scheduled Update

- Tuesday Morning







# Snowfall Timing

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## Heaviest snow in two rounds with a lull between

### Key Messages:

- Two rounds of more significant snow are expected, with a lull and lighter snow in between.
  - The **first round** arrives on Tuesday afternoon, ending Wednesday morning.
  - A **lull** with light snow will occur Wednesday morning into the afternoon.
  - The **second round** arrives Wednesday afternoon and lasts through much of Thursday. **Strong winds and heavy snow are expected with the second round.**
- Significant travel impacts are likely Tuesday Evening into Friday Afternoon due to long duration of snow & blowing snow.

	2/21 Tue						2/22 Wed				2/23 Thu									
	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	2pm	3pm	6pm	9pm
Albert Lea	45%	60%	60%	70%	50%	50%	45%	45%	90%	90%	100%	100%	100%	100%	90%	90%	25%	25%	5%	5%
Alexandria	90%	100%	85%	85%	45%	45%	20%	20%	45%	45%	80%	80%	95%	95%	95%	95%	50%	50%	5%	5%
Eau Claire	10%	55%	95%	95%	80%	80%	50%	50%	75%	75%	95%	95%	100%	100%	100%	100%	70%	70%	10%	10%
Fairmont	70%	50%	55%	80%	50%	50%	50%	50%	90%	90%	100%	100%	100%	100%	85%	85%	20%	20%	5%	5%
Ladysmith	5%	40%	90%	90%	65%	65%	30%	30%	55%	55%	80%	80%	95%	95%	100%	100%	80%	80%	15%	15%
Madison, MN	100%	100%	90%	95%	70%	70%	50%	50%	80%	80%	95%	95%	100%	100%	90%	90%	30%	30%	5%	5%
Mankato	75%	85%	85%	85%	70%	70%	60%	60%	90%	90%	100%	100%	100%	100%	100%	100%	35%	35%	5%	5%
Mora	20%	80%	95%	85%	50%	50%	25%	25%	50%	50%	80%	80%	95%	95%	100%	100%	75%	75%	15%	15%
New Richmond	20%	95%	95%	90%	65%	65%	50%	50%	70%	70%	90%	90%	100%	100%	100%	100%	70%	70%	15%	15%
Red Wing	30%	90%	75%	90%	65%	65%	55%	55%	85%	85%	100%	100%	100%	100%	100%	100%	60%	60%	10%	10%
Redwood Falls	95%	95%	75%	85%	75%	75%	60%	60%	90%	90%	100%	100%	100%	100%	100%	100%	40%	40%	5%	5%
Rice Lake	10%	50%	90%	80%	60%	60%	30%	30%	55%	55%	85%	85%	100%	100%	100%	100%	80%	80%	15%	15%
St. Cloud	50%	95%	100%	85%	60%	60%	30%	30%	60%	60%	90%	90%	100%	100%	100%	100%	70%	70%	10%	10%
Twin Cities	40%	95%	100%	90%	70%	70%	50%	50%	75%	75%	95%	95%	100%	100%	100%	100%	60%	60%	10%	10%
Willmar	95%	100%	95%	85%	65%	65%	40%	40%	75%	75%	95%	95%	100%	100%	100%	100%	50%	50%	5%	5%

\*Created: 1 pm CST Mon 2/20/2023. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation ≥ 0%.

Round One

Round Two





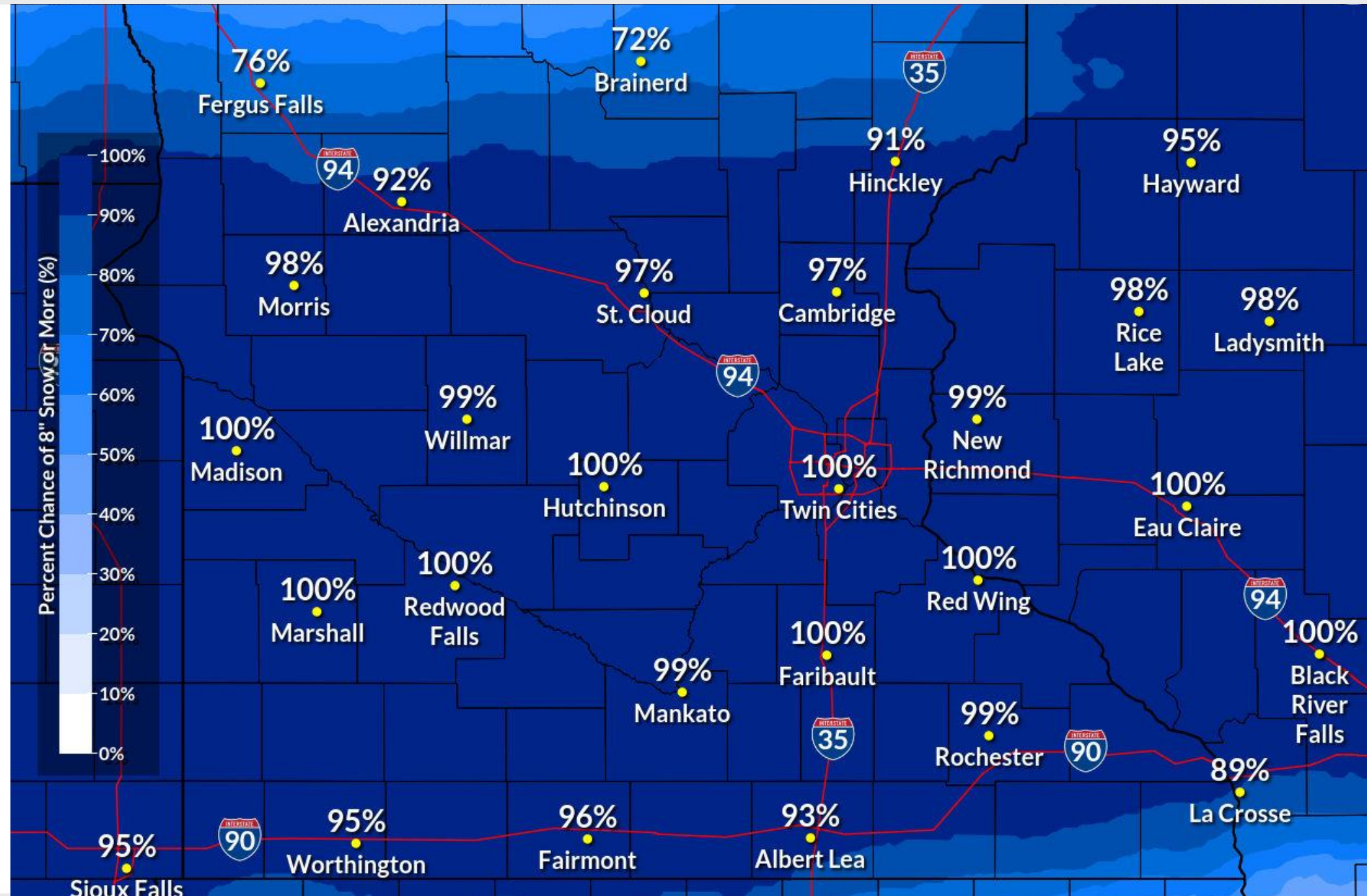
# 8"+ Snowfall Potential

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## Probability of 8"+ from Tuesday to Thursday

### Key Messages:

- High confidence of 8" inches or more across much of the MPX forecast area by the end of the event Thursday Night.
- Areas least likely to achieve 8" lie north of St. Cloud.







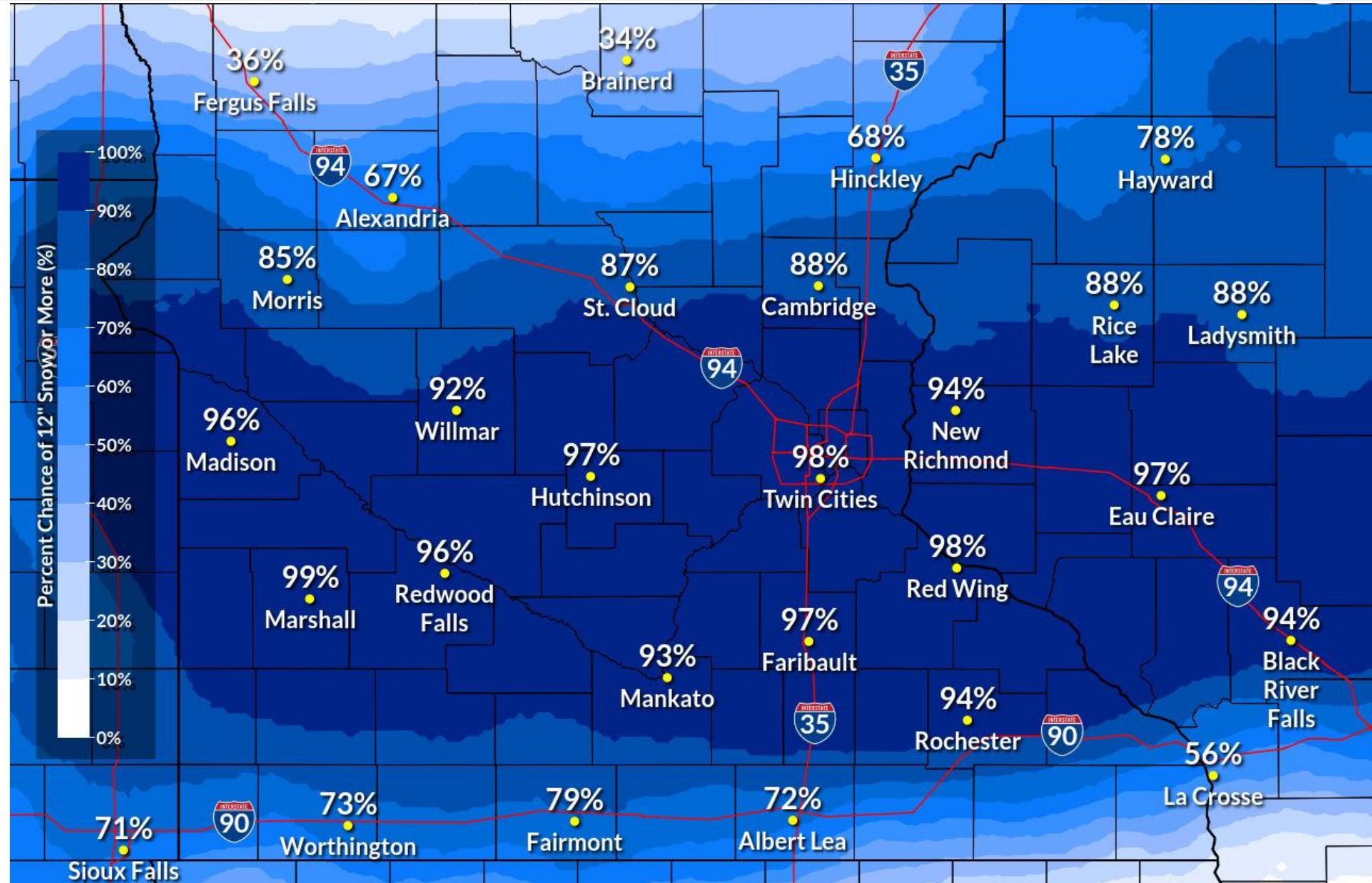
# 12"+ Snowfall Potential

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## Probability of 12"+ from Tuesday to Thursday

### Key Message: Widespread heavy snow expected Tuesday through Thursday

- High confidence of 12" inches or more across the Twin Cities Metro and portions of western Minnesota and west central Wisconsin by the end of the event Thursday Night.
- Medium/High confidence of 12" inches or more along I-90 corridor and portions of central Minnesota.







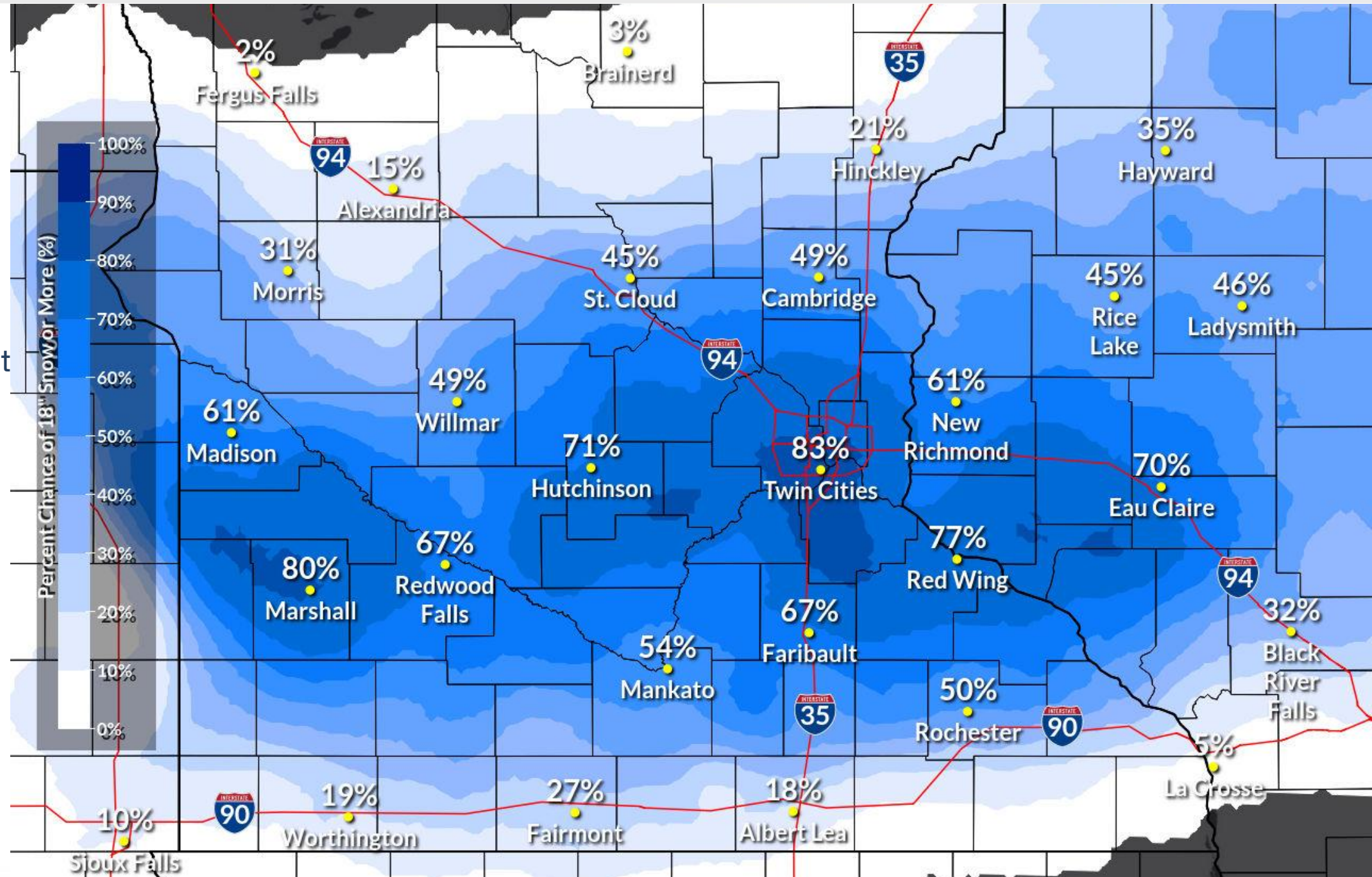
# 18"+Snowfall Potential

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## Probability of 18"+ from Tuesday to Thursday

### Key Messages:

- Medium/Low confidence in seeing amounts of 18" or greater in western Minnesota and the western Metro, but these percentages are high enough that some locations will probably exceed it.
- Locally, total accumulations could exceed 20" in some locations by Thursday night. Especially in locations hit the hardest with the first round.
- The reason the percentages have increased dramatically compared to the previous update is that the final 6 hours of the system have been added to the time range.







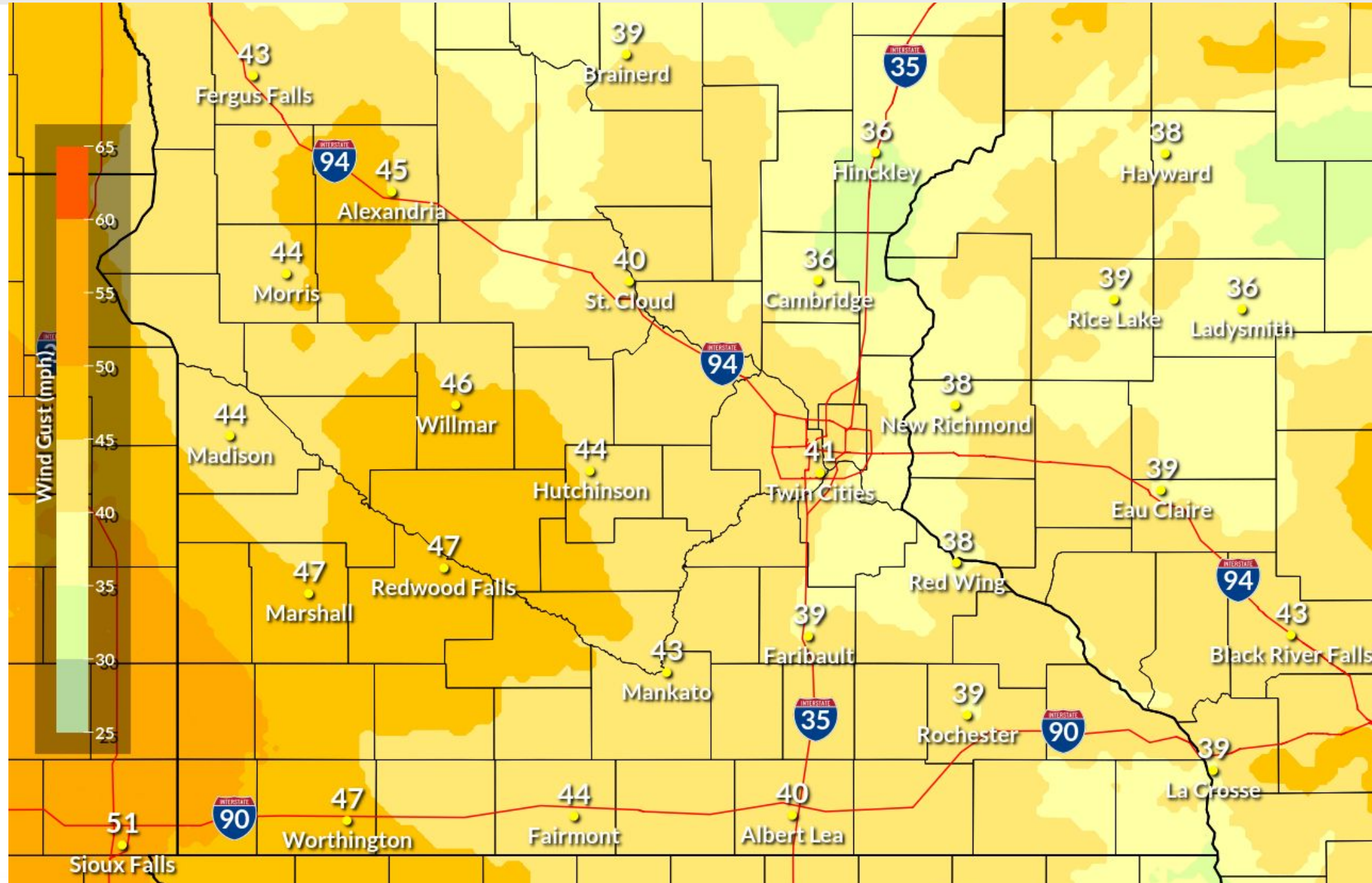
# Maximum Forecast Wind Gusts

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Wednesday through Thursday

## Key Messages:

- Strong northeast winds develop on Wednesday and will turn to the northwest by Thursday afternoon.
- Winds will gust from 40 to 45 MPH at times in Minnesota, with stronger gusts possible in west-central Minnesota.
- Peak Winds are Wednesday afternoon into Thursday morning.
- Gusty winds combined with the falling snow and a fresh snow pack will lead to areas of blowing and drifting snow across much of the forecast area on Wednesday and Thursday. **Blizzard conditions will be possible in open areas.**







# Wind Gust Timing

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Winds will be primarily out of the Northeast when gusts are strongest

## Maximum Wind Gust Forecast

	2/21 Tue				2/22 Wed				2/23 Thu				2/24 Fri				Maximum								
	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am									
Albert Lea	14	17	21	21	21	23	26	31	36	37	38	40	40	37	33	30	30	29	28	23	18	13	10	8	40
Alexandria	15	17	22	26	29	33	35	35	33	39	44	44	44	43	43	39	31	24	22	16	12	9	7	10	44
Eau Claire	8	10	14	16	21	21	23	28	30	33	37	38	37	38	38	33	30	28	25	21	17	12	8	8	38
Fairmont	18	22	22	22	22	28	32	36	39	41	41	41	41	37	35	36	36	35	30	22	18	13	12	10	41
Ladysmith	10	9	10	14	17	21	23	25	28	31	35	35	36	36	36	35	33	29	29	22	18	13	9	9	36
Madison MN	22	21	22	23	28	32	33	35	37	39	43	43	41	41	38	35	33	29	26	20	16	12	12	10	43
Mankato	14	18	20	18	21	28	29	31	36	38	39	40	40	38	36	35	31	31	25	21	16	10	9	8	40
Mora	8	10	15	20	25	28	29	32	33	35	36	36	35	35	35	35	35	30	26	18	14	9	7	8	36
New Richmond	8	13	16	18	21	25	28	31	33	36	37	37	37	38	38	38	33	31	29	20	15	10	7	7	38
Saint Cloud	12	14	18	21	25	29	29	32	35	39	40	40	40	38	38	38	35	28	25	17	13	8	7	8	40
Twin Cities	9	13	16	20	21	25	28	30	35	39	40	39	40	41	40	36	33	31	30	18	14	9	7	8	41
Willmar	17	21	25	26	31	36	36	36	39	44	45	45	45	45	45	41	31	28	23	16	12	10	8	9	45

\* Table values in mph

\*\*Created: 3 pm CST Mon 2/20/2023





# Widespread Winter Storm This Week

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Significant and possibly record setting accumulations Tuesday through Thursday

## Key Messages

- Significant 3-Day Winter Storm will bring widespread accumulating snow, with blowing and drifting snow mainly Wed-Thu.
- The **first round** arrives on Tuesday afternoon/evening ending Wednesday morning. The **second round** arrives Wednesday afternoon and lasts through much of Thursday.
- Significant travel disruptions are possible due to falling and blowing snow. Widespread blowing and drifting snow is expected in western and southern Minnesota.

## It's the Upper Midwest,

what can you expect  
with **12 to 24 inches** of snow?



Severe  
Travel Delays



Many Accidents,  
Stranded Vehicles



Plowing and  
Road Treatment



Major Airport  
Delays

## How to Prepare



Stay indoors,  
travel by vehicle  
is not advised and  
should be avoided.



Pack a winter supply  
kit that has warm  
clothes, cell chargers,  
water and a flashlight.



Stay tuned to your  
local news for updated  
storm information  
and road conditions.

