



# Winter Storm on the Way

January 18, 2023

4:21 AM

Wednesday through Thursday Morning

## Key Messages

- Wintry weather will produce hazardous travel and delays during this evening's commute.
- The greatest impacts from this storm will occur between noon today to 12 AM Thursday.
- Snowfall rates will exceed 1 inch per hour at times along and north of Interstate 80, reducing visibility and making it especially difficult to clear roadways.

## Important Forecast Changes

- Slowed down timing for onset of precipitation
- Shifted higher snow totals a bit farther south, increasing snow totals for Omaha

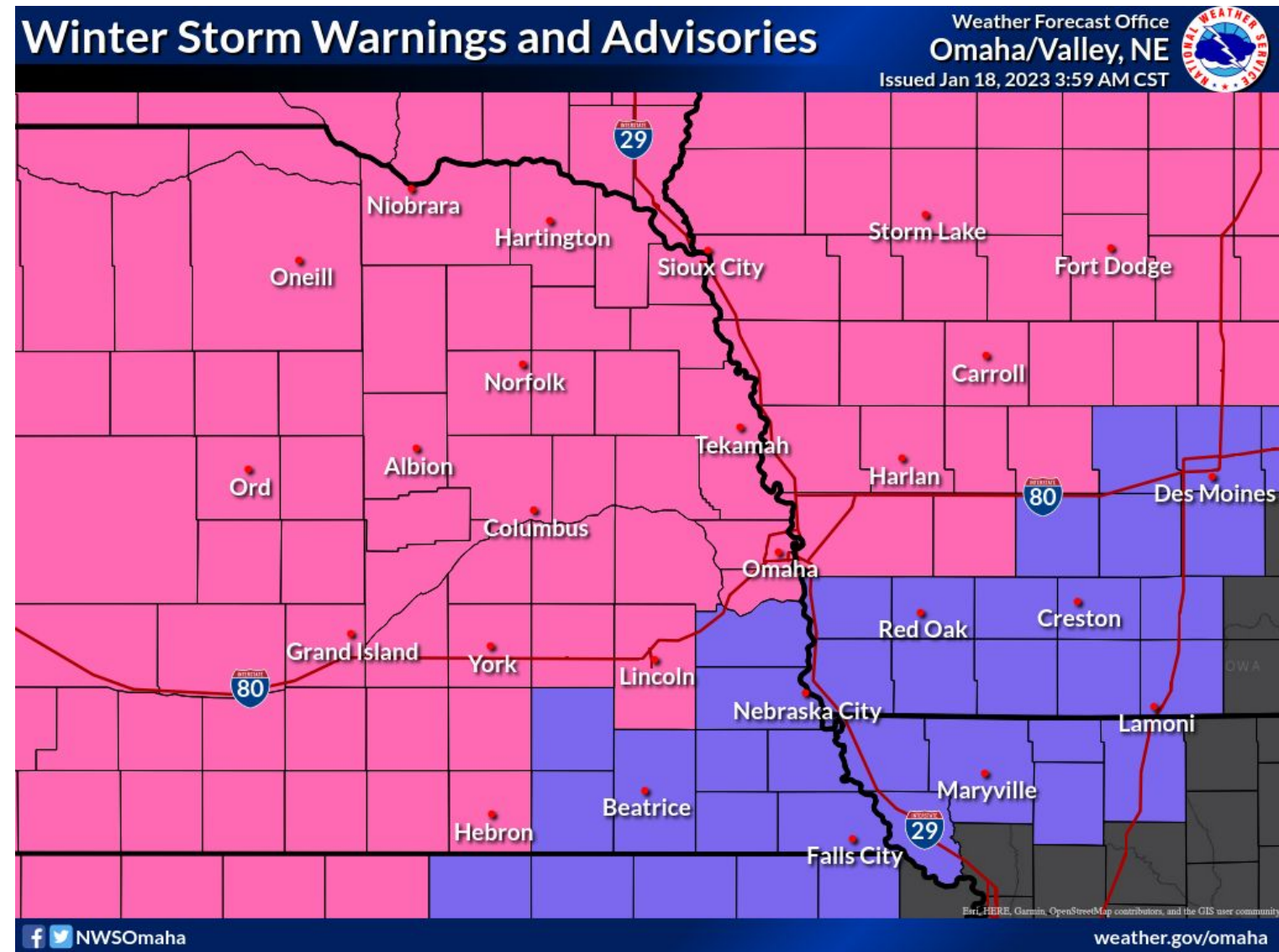
## Overall Forecast Confidence



Low

Medium

High







# Forecast Snowfall

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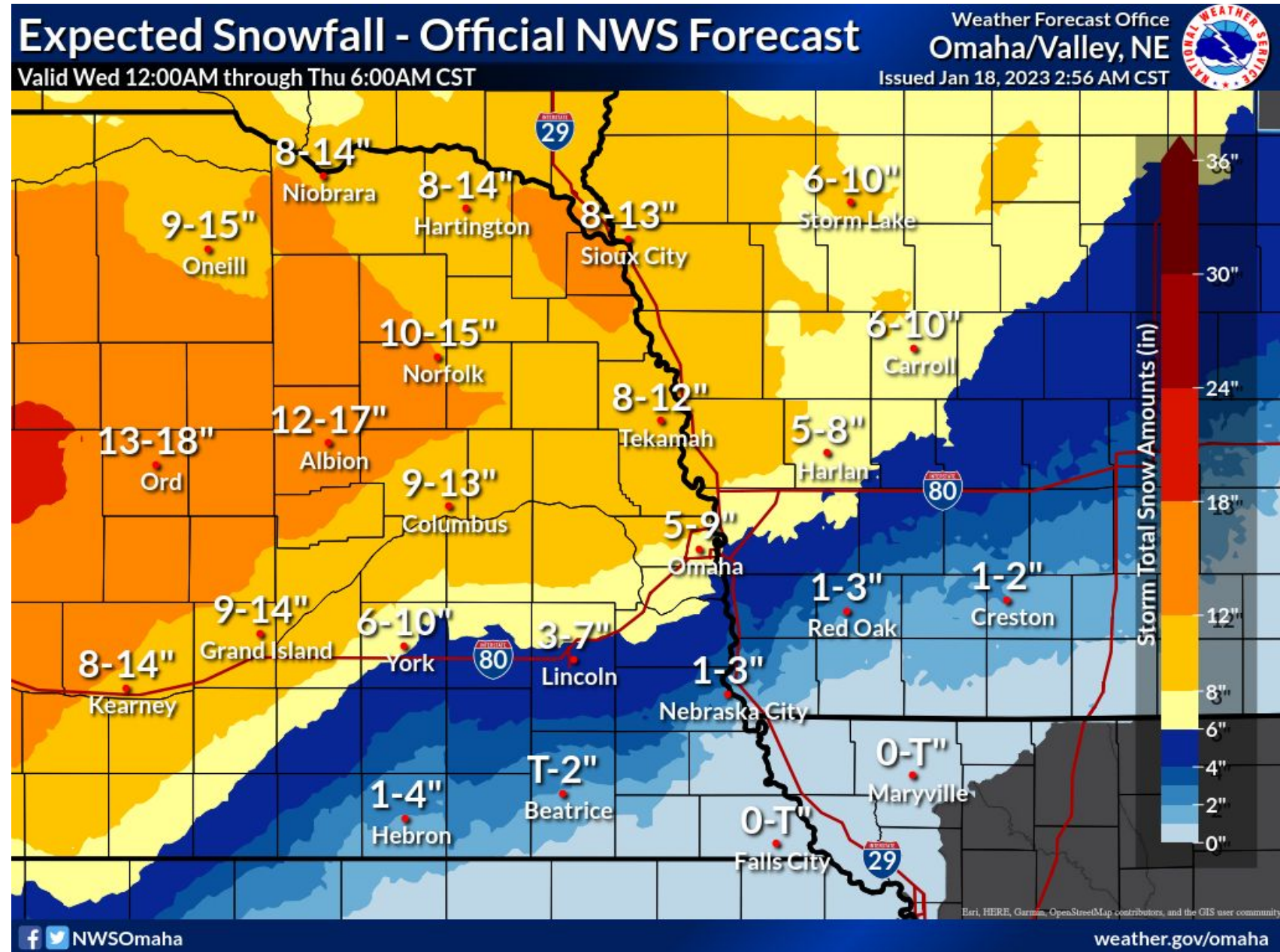
Wednesday through Thursday Morning

## Snowfall Details

- Heavy snow in northeast Nebraska, with storm total snowfall of 8 to 15 inches.
- **Snowfall rates of 1 inch per hour or greater are likely (50-70%)** in northeast Nebraska between 3 PM today and 12 AM Thu.
- Expect a sharp cutoff in snow amounts along or south of Interstate 80.

## Impacts

- Peak snowfall rates will coincide with this evening's commute; **expect delays and hazardous travel.** Lingering impacts for the Thursday morning commute.
- A combination of snow and ice will lead to hazardous travel on Interstate 80, despite lower snow totals.
- Heavy wet snow may be difficult to shovel.







# Event Wildcards

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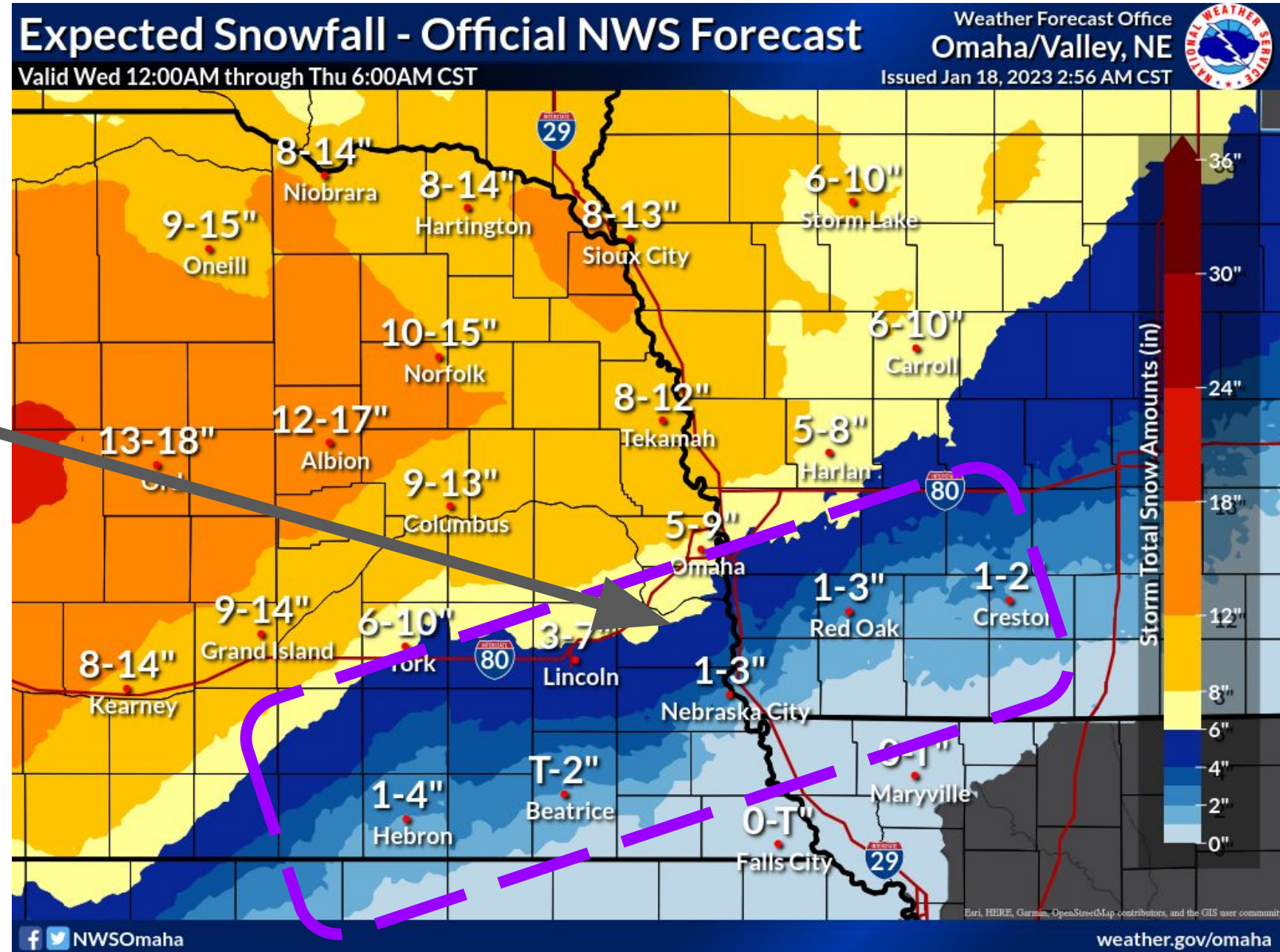
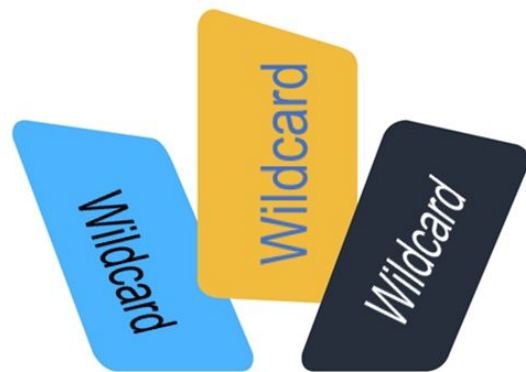
## Small Changes in Temperature V.S. Snowfall Totals

### Wildcard #1

→ Right now, we expect at least some mix of snow, sleet, freezing rain in the area between dashed lines. If temperatures are a couple degrees cooler and all the precipitation falls as snow, **Totals may be a few inches higher!**

### Wildcard #2

→ If precipitation starts as freezing rain or sleet and doesn't turn to snow by later afternoon: **Snow amounts may be lower! Travel would still be hazardous with the mix of snow and freezing rain!**

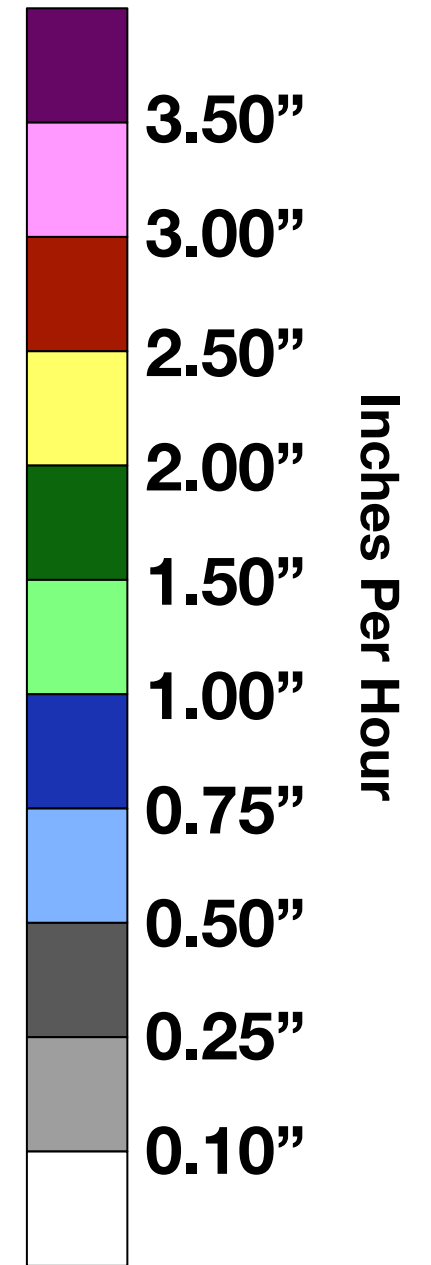
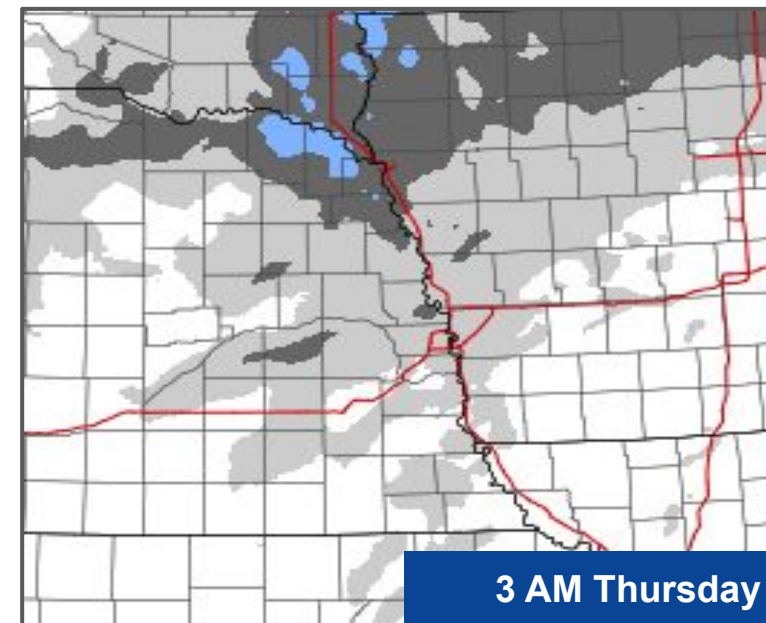
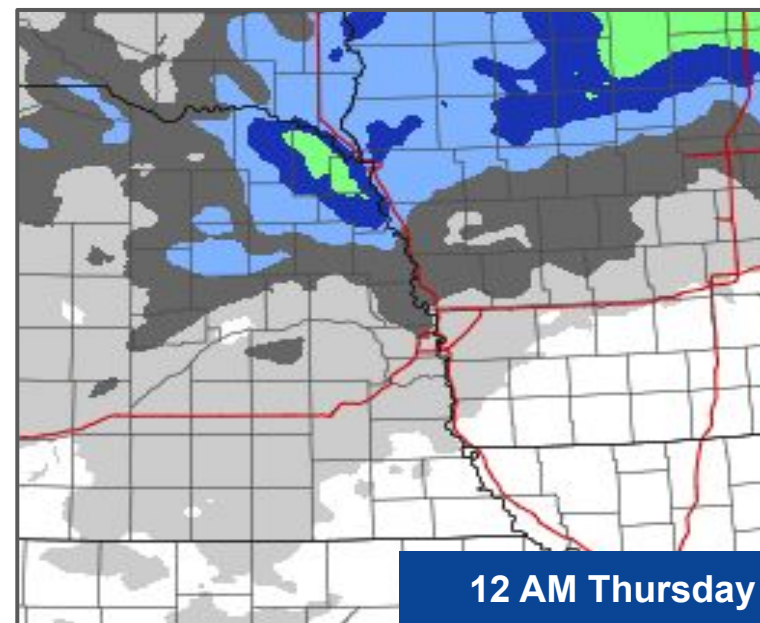
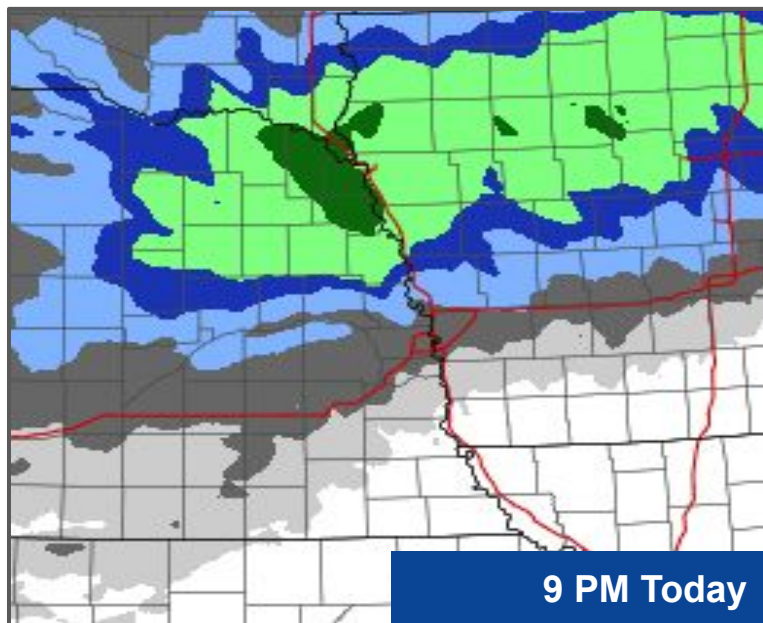
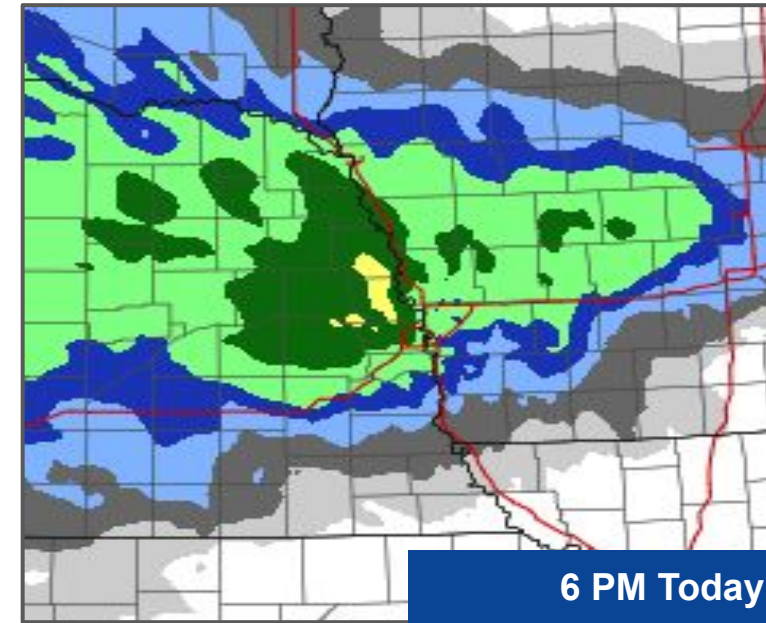
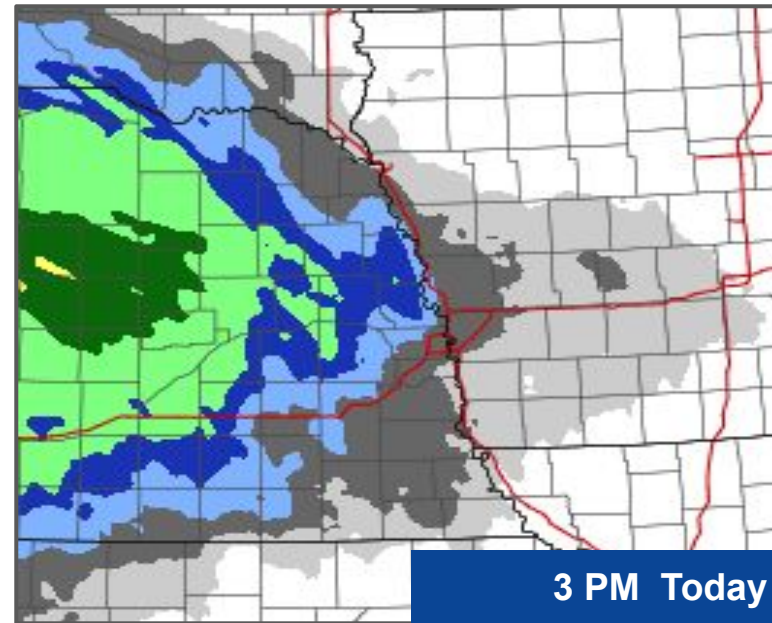
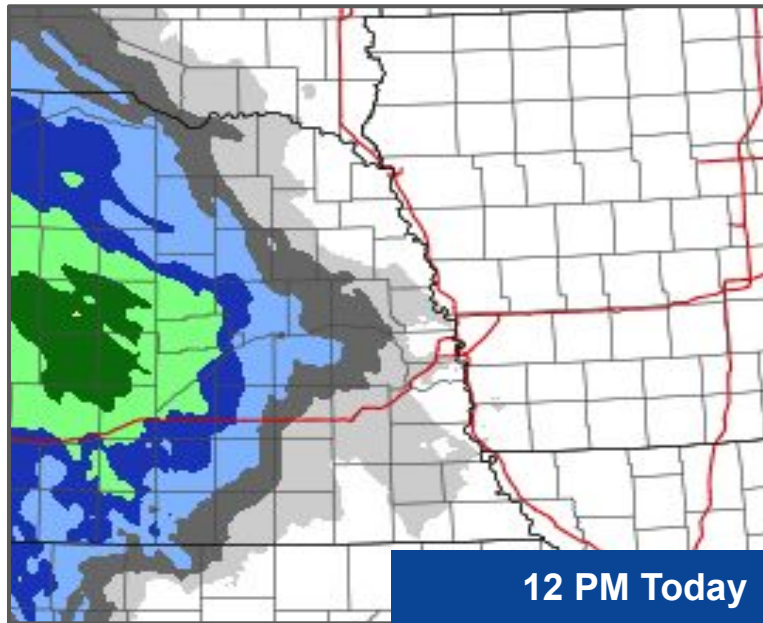






# Forecast Snowfall Rates

January 18, 2023  
4:21 AM







# Forecast Snowfall Probabilities

January 18, 2023

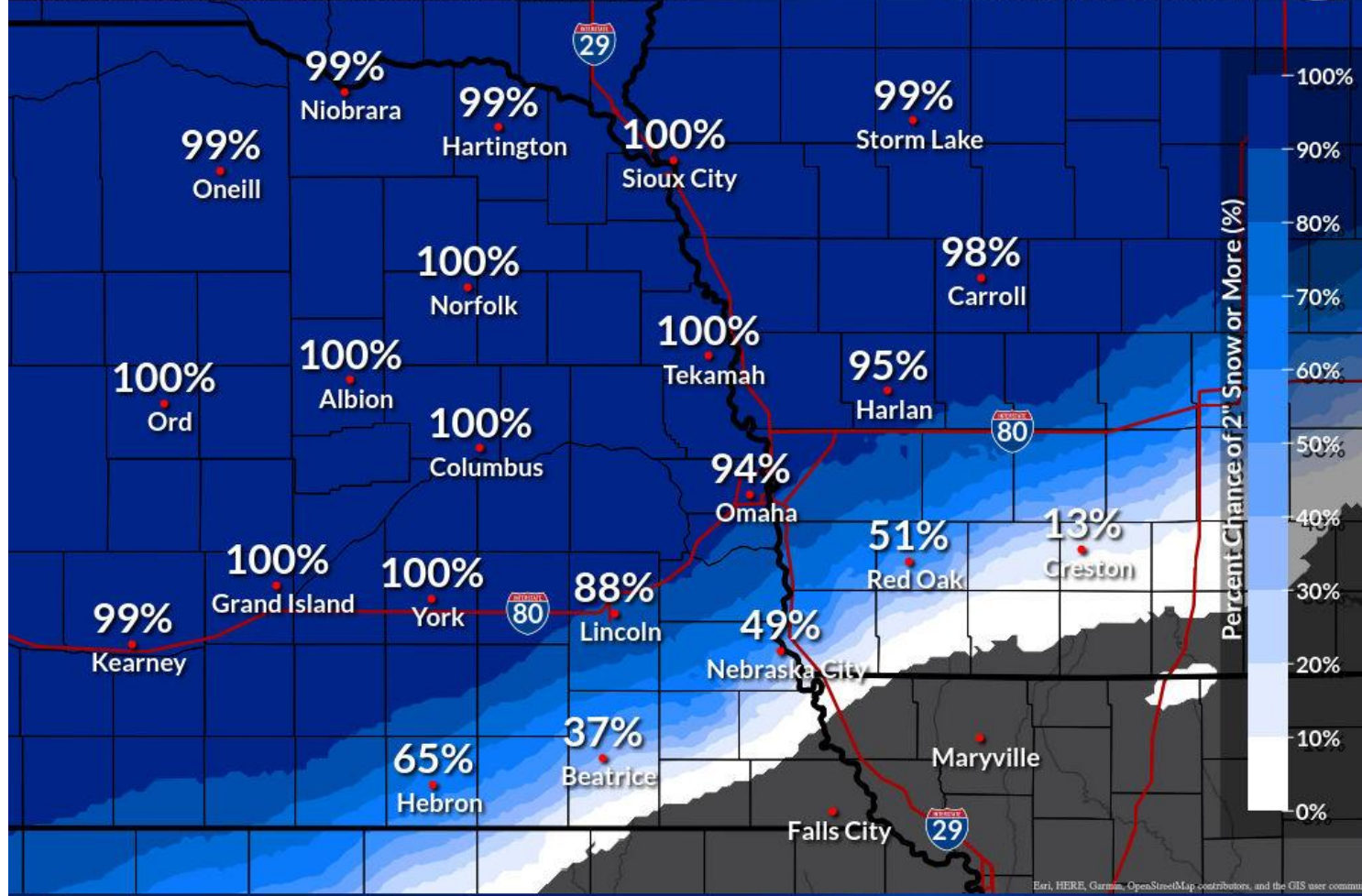
4:21 AM

## Chances for 2 inches and 4 inches of Snowfall

### Percent Chance of 2" Snow or More

Valid 6 AM Wed Jan 18, 2023 through 6 AM Fri Jan 20, 2023 CST

Weather Forecast Office  
Omaha/Valley, NE  
Issued Jan 18, 2023 3:03 AM CST



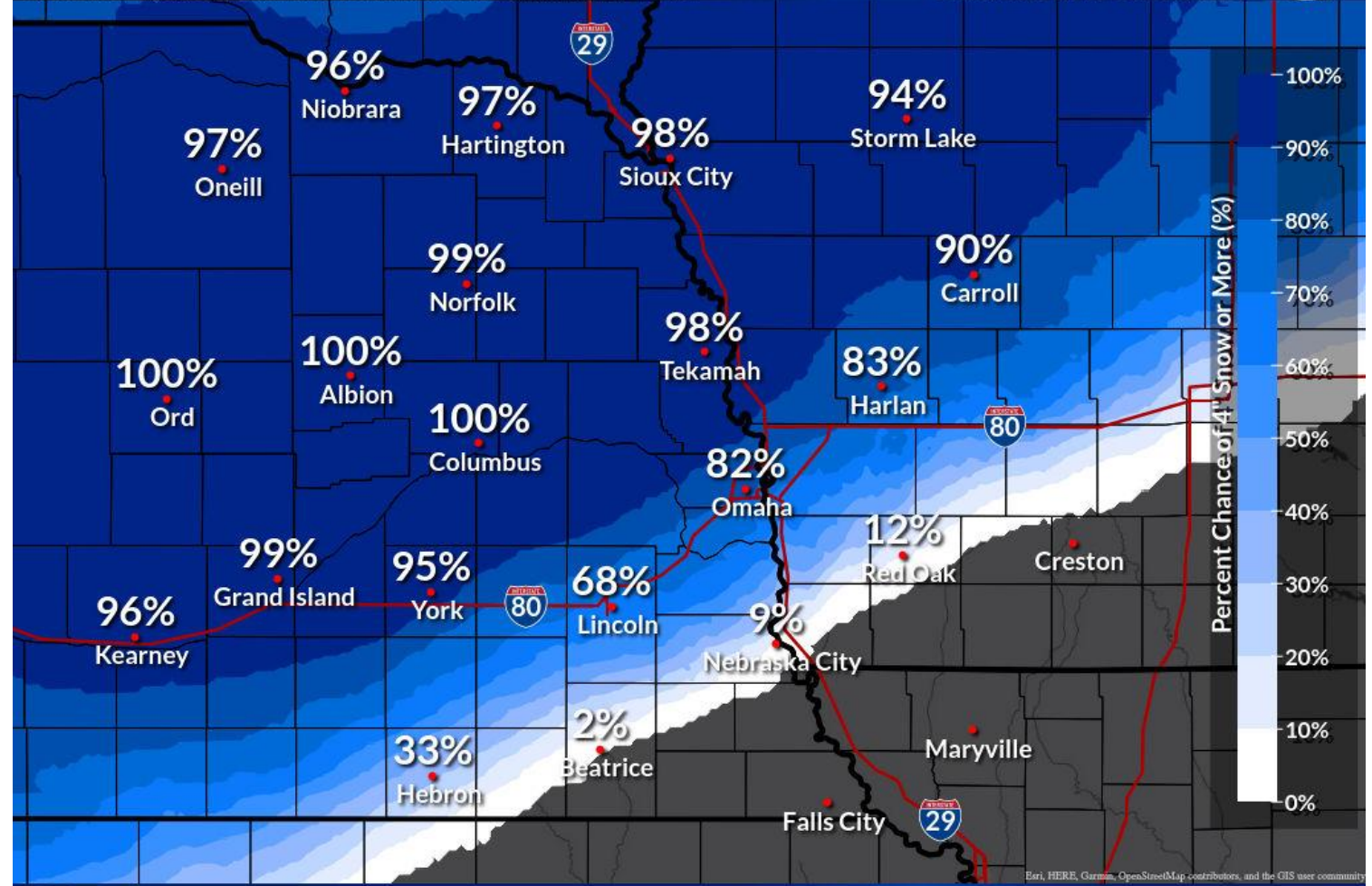
NWSOmaha

weather.gov/omaha

### Percent Chance of 4" Snow or More

Valid 6 AM Wed Jan 18, 2023 through 6 AM Fri Jan 20, 2023 CST

Weather Forecast Office  
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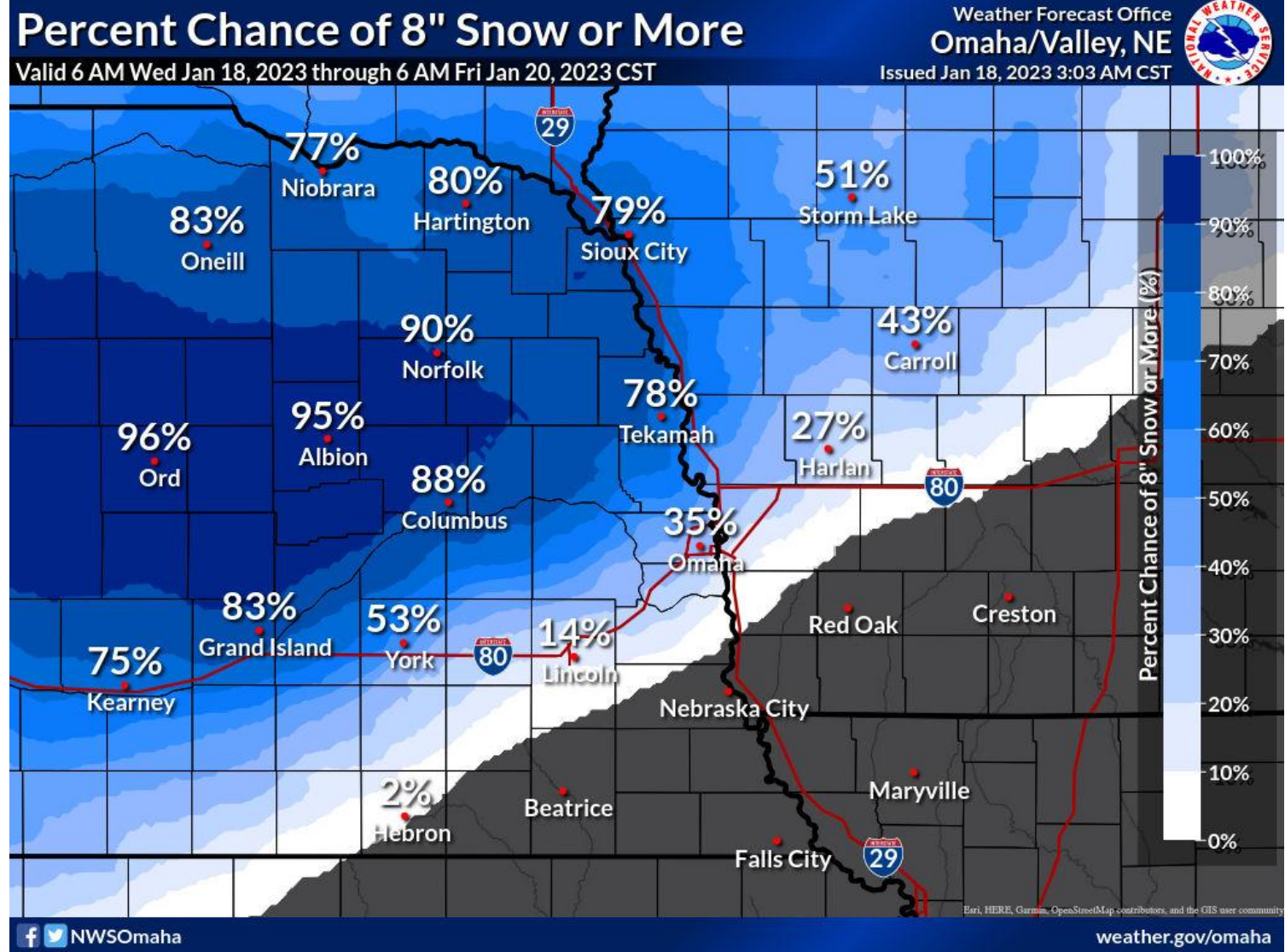
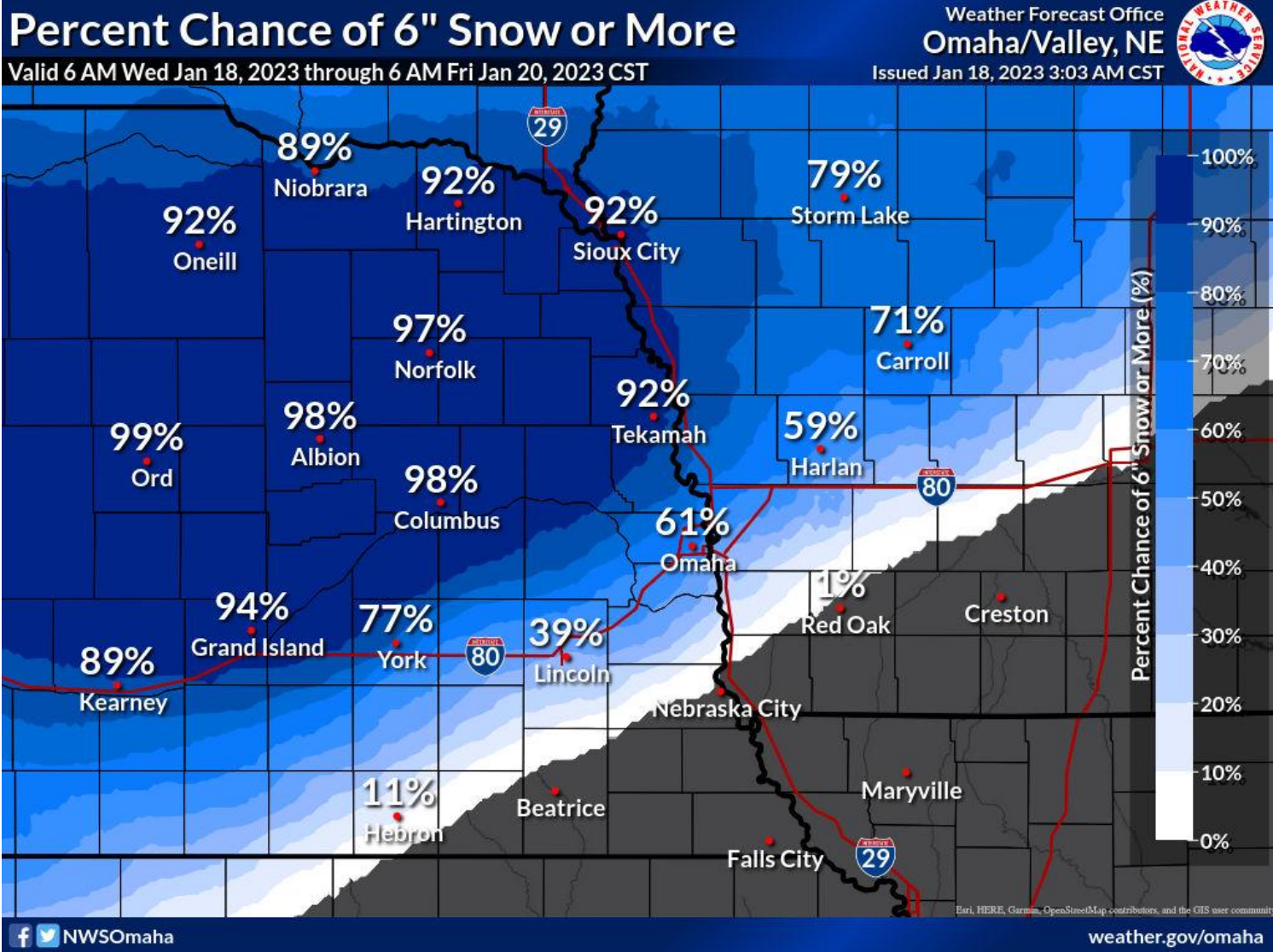




# Forecast Snowfall Probabilities

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## Chances for 6 inches and 8 inches of Snowfall



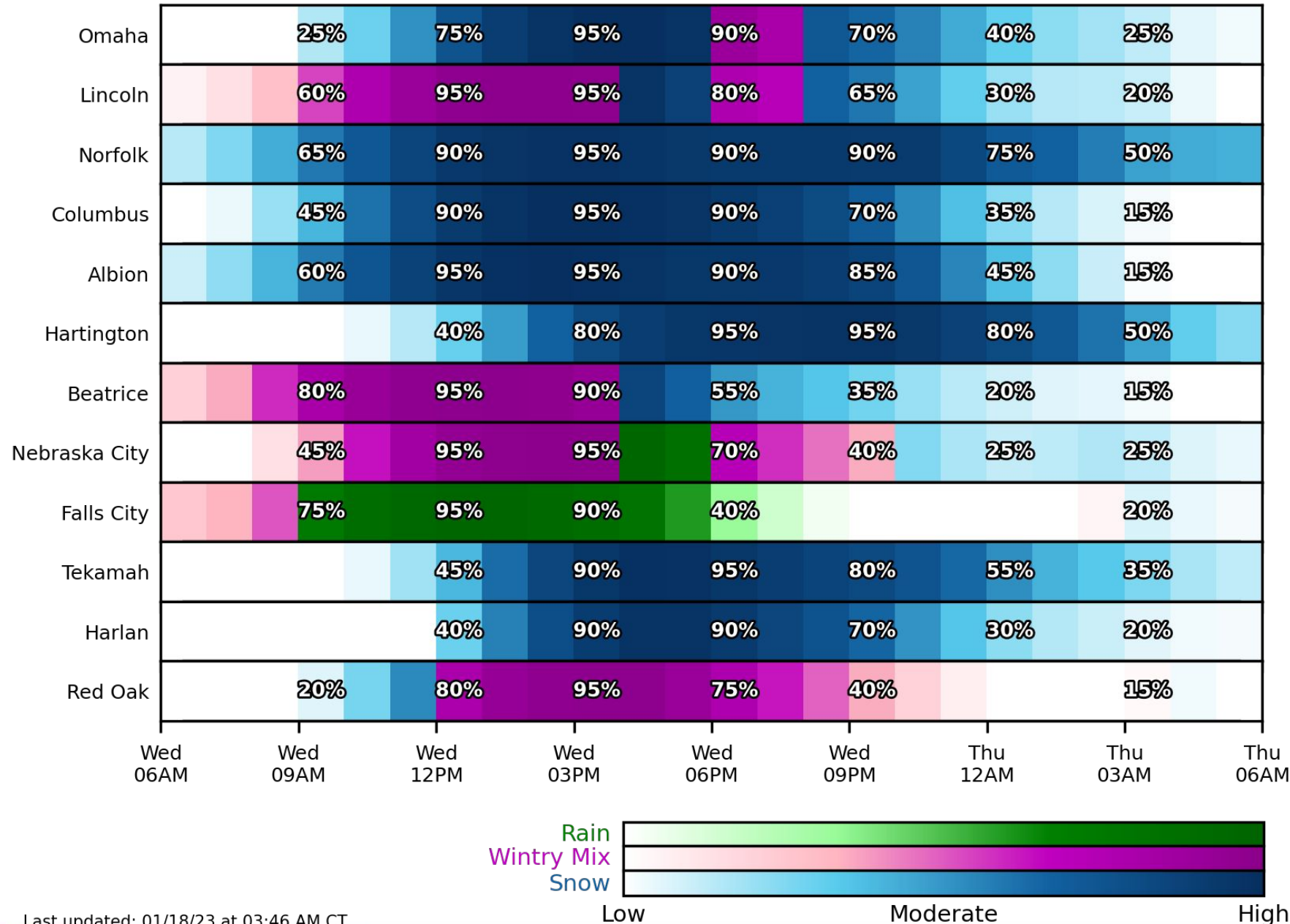




# Precipitation Type and Timing

January 18, 2023  
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## 1-Day Probability of Precipitation Forecast



## Timing Details

- Timing has been pushed back by about 3 hours.
- Snow will be the dominant precipitation type along and north of Interstate 80.
- Locations along Interstate 80 will still see a mix of snow, sleet, freezing rain for a period until around 3 PM.
- Snow becomes the main precipitation type for all by 12 AM Thursday.

Last updated: 01/18/23 at 03:46 AM CT



# Forecast Ice Accumulation

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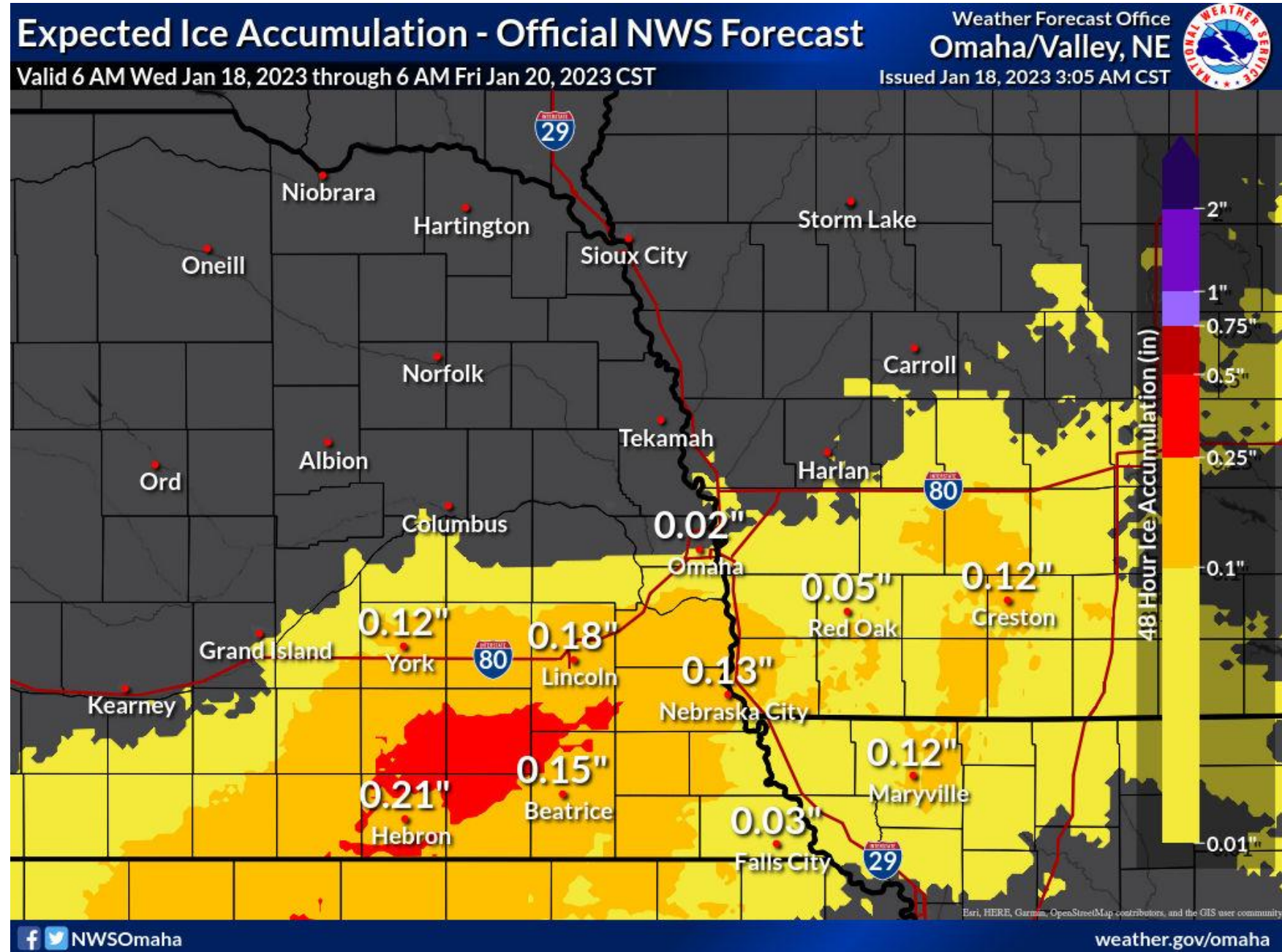
Wednesday through Wednesday Evening

## Icing Details

- Snow, sleet and freezing rain develops rapidly along and south of Interstate 80 between 9 AM and 12 PM Today.
- Total ice accumulations of 0.10 to 0.25 inches along and south of Interstate 80.
- The icing threat ends as temperatures fall this evening.

## Impacts

- Overpasses and bridges will ice over first.
- Some ice accumulations on trees and powerlines. The risk for power outages is low.







# Wind Gust Forecast

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Some locations will see gusts over 30 mph

## Maximum Wind Gust Forecast

	1/18 Wed																	1/19 Thu													
	3am	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am	5am	6am	7am	8am	9am
Beatrice	9	16	25	25	23	26	29	29	29	28	28	29	25	22	15	16	20	20	21	22	24	26	30	35	37	37	38	38	36	33	33
Bellevue	6	7	15	18	21	21	23	22	25	26	28	28	28	28	24	23	22	22	22	24	24	25	26	29	30	32	33	35	35	32	33
Columbus	8	12	18	22	23	20	23	26	30	29	29	29	29	29	26	25	29	31	33	35	35	37	37	37	37	37	37	36	35	31	31
Council Bluffs	6	7	15	18	20	21	22	22	24	26	28	29	29	30	26	26	23	23	23	24	25	26	26	29	30	32	35	36	35	33	32
Fremont	3	7	17	20	21	21	22	22	26	28	28	28	26	29	29	28	26	28	29	30	31	35	35	35	36	36	37	38	36	35	33
La Vista	6	8	15	18	20	20	22	22	25	26	28	28	28	28	25	23	22	23	23	25	25	26	28	30	32	33	35	36	36	32	33
Lincoln	10	13	20	21	22	22	24	28	28	26	26	26	28	25	21	20	23	26	25	26	29	31	35	36	37	37	37	38	36	32	33
Norfolk	8	8	16	18	18	18	20	23	25	26	28	29	28	29	29	30	30	30	33	33	35	35	35	35	35	36	36	35	32	32	32
Omaha	7	8	15	18	20	20	22	22	24	26	26	28	28	29	26	25	23	23	23	24	24	26	26	29	31	33	33	36	33	32	33
Papillion	6	8	15	18	21	21	22	22	26	28	28	28	29	28	24	22	22	23	23	25	25	28	28	31	32	33	35	36	36	32	33



Period of peak snow rates

\* Table values in mph

\*\*Created: 3 am CST Wed 1/18/2023

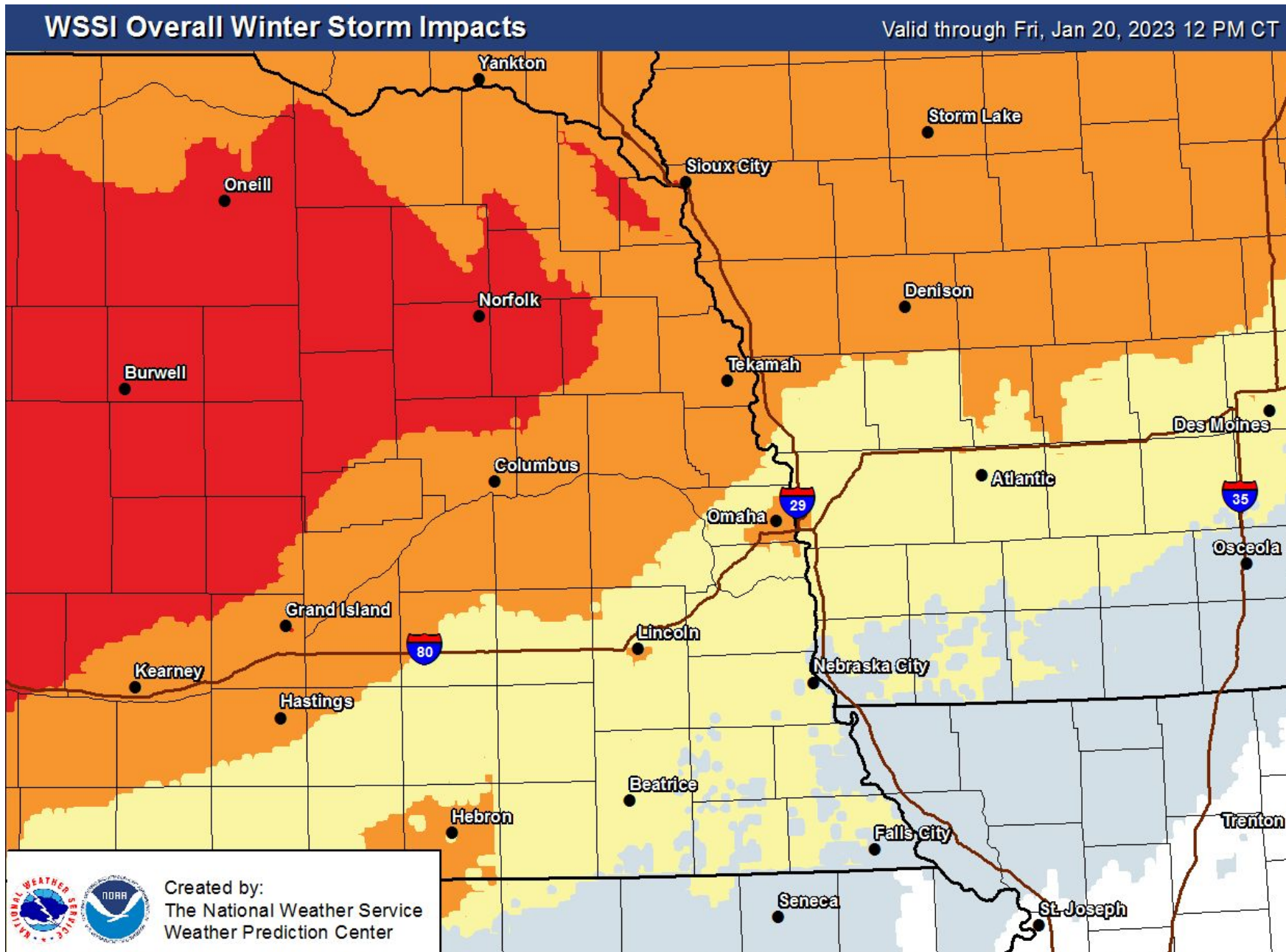
\*\*\*Values are maximums over the period beginning at the time sho..n.





# Winter Weather Impact Levels

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## Potential Winter Storm Impacts

	<p><b>Winter Weather Area</b></p> <ul style="list-style-type: none"> <li>• <i>Expected Winter Weather</i></li> <li>• Winter Driving Conditions. Drive carefully.</li> </ul>
	<p><b>Minor Impacts</b></p> <ul style="list-style-type: none"> <li>• <i>Expected a few inconveniences to daily life.</i></li> <li>• Winter Driving Conditions. Use caution while driving.</li> </ul>
	<p><b>Moderate Impacts</b></p> <ul style="list-style-type: none"> <li>• <i>Expected disruptions to daily life.</i></li> <li>• Hazardous driving conditions. Use extra caution while driving.</li> <li>• Closure and disruptions to infrastructure may occur.</li> </ul>
	<p><b>Major Impacts</b></p> <ul style="list-style-type: none"> <li>• <i>Expected considerable disruptions to daily life.</i></li> <li>• Dangerous or impossible driving conditions. Avoid travel if possible.</li> <li>• Widespread closures and disruptions to infrastructure may occur.</li> </ul>
	<p><b>Extreme Impacts</b></p> <ul style="list-style-type: none"> <li>• <i>Expected substantial disruptions to daily life.</i></li> <li>• Extremely dangerous or impossible driving conditions. Travel is not advised.</li> <li>• Extensive and widespread closures and disruptions to infrastructure may occur.</li> <li>• Life-saving actions may be needed.</li> </ul>





## Points to Remember

- Hazardous travel conditions expected Today through Thursday morning.
- Stay informed. Please reach out to us with additional questions.

## Additional Resources

- [NWS Omaha Web Page](#)
- [NWS Omaha Winter Page](#)
- [Winter Storm Severity Index](#)
- [Hourly Point Forecasts](#)
- [Winter Weather Safety](#)
- [Reporting Winter Weather](#)
- [Recent Snowfall Reports](#)
- [NE 511 | IA 511](#)

Social Media: [Facebook](#) | [Twitter](#)

# WINTER STORMS

## What Can I Do?

### Prepare Your Home



Make your home winter ready. Buy needed supplies before the storm arrives. Have a plan in case you lose power or are unable to leave your home.

### Monitor Your Forecast



Stay up to date with the latest forecast information as the storm approaches, monitor your favorite source for weather information.

### Prepare Your Vehicle



Make your vehicle weather ready. Be sure to include a safety kit, cold weather gear, and all the necessities you may need to deal with the storm ahead.

### Have A Plan



Before weather threatens, be sure to have a communications plan, change travel plans, and prepare for the impacts to your routine.

## Know The Terms

**Winter Storm Watch:** There is potential of a significant winter weather event. Conditions are possible but not imminent.

**Winter Weather Advisory:** Winter weather is imminent and may cause inconveniences.

**Winter Storm Warning:** A significant winter storm is imminent and is a danger to life and property.

**Blizzard Warning:** A significant winter storm with strong winds, snow, and low visibility is imminent and is a danger to life and property.

**Ice Storm Warning:** Dangerous ice accumulations are imminent