



Impactful Snow & Cold

December 31, 2021
3:05 PM

Hazardous Travel Late Tonight Through Saturday

NEW Important Updates

Slightly higher snowfall amounts, mainly in the Winter Storm Warning area.

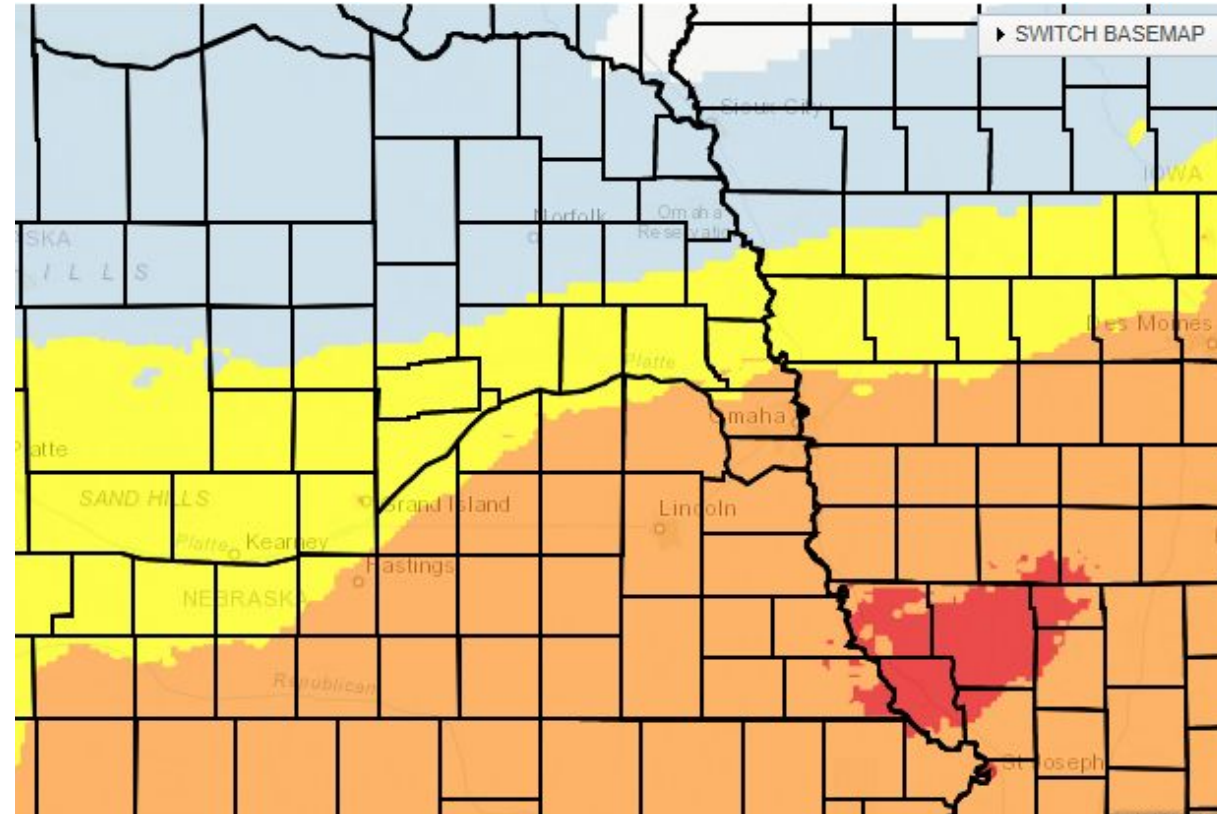
What We Know

- Significant snowfall expected Saturday.
- Snow begins after midnight and ends Saturday after 6pm.
- Peak snow rates from 7 AM to 2 PM.
- Dangerous wind chills -15 to -30 much of tonight into Sunday morning.

Next Scheduled Update

The forecast and this packet will be updated by 6 AM.

Winter Impacts Anticipated Across Much of the Area



Potential Winter Storm Impacts	
	No Impacts Impacts not expected.
	Limited Impacts Rarely a direct threat to life and property. Typically results in little inconveniences.
	Minor Impacts Rarely a direct threat to life and property. Typically results in an inconvenience to daily life.
	Moderate Impacts Often threatening to life and property, some damage unavoidable. Typically results in disruptions to daily life.
	Major Impacts Extensive property damage likely, life saving actions needed. Will likely result in major disruptions to daily life.
	Extreme Impacts Extensive and widespread severe property damage, life saving actions will be needed. Results in extreme disruptions to daily life.





Winter Storm Warning

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Late Tonight Through Saturday Evening

Winter Storm Warning Details



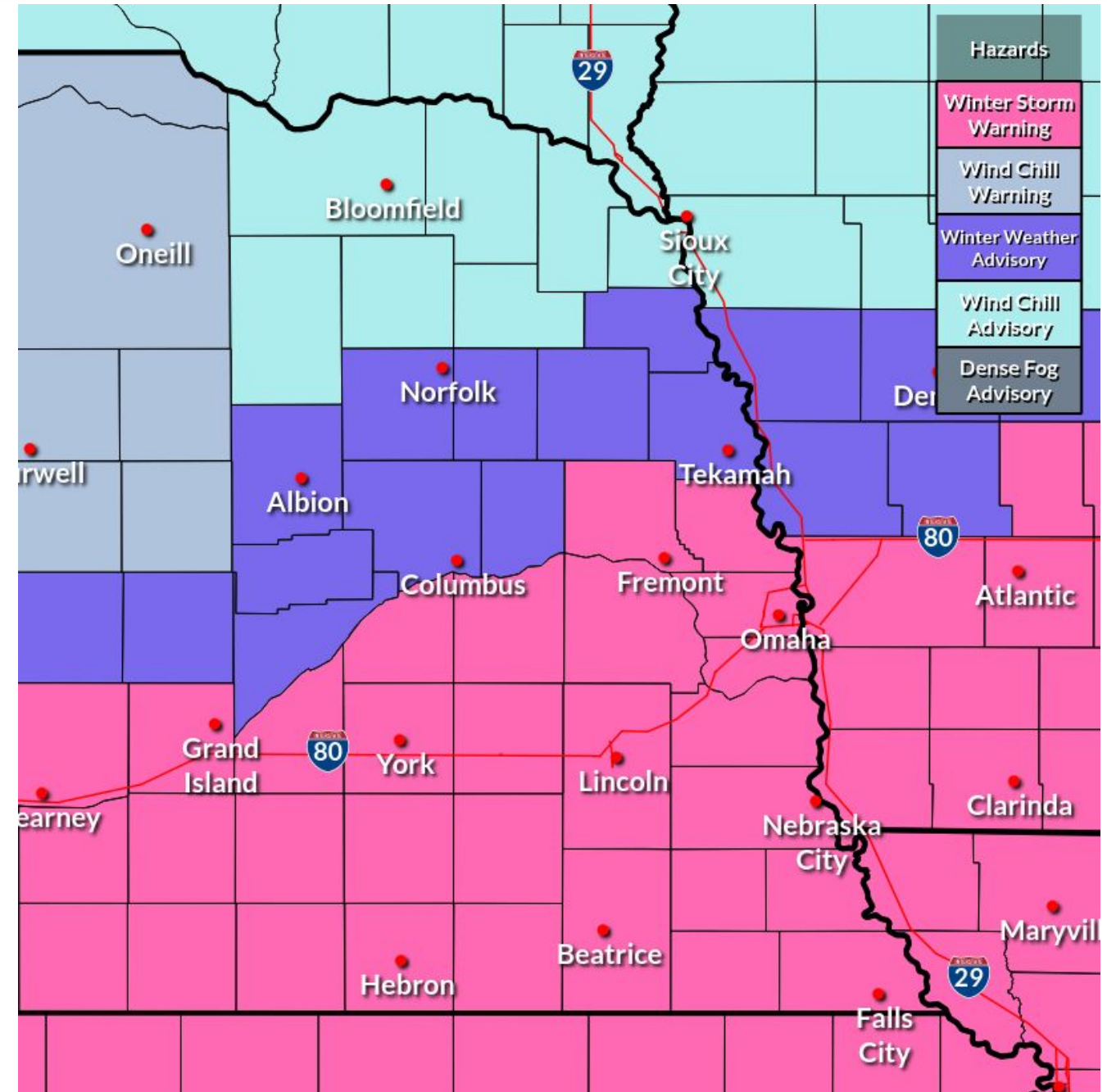
Much of Saturday. 3am - Midnight



Combination of:

- Snow totals of 4" to 10", locally higher
- Blowing and drifting snow
- Peak snow rates 7 AM to 2 PM
- *Dangerous wind chills

*** *Winter Weather Advisory and Wind Chill Advisory in effect north of the Warning area****





Forecast Snowfall

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Periods of Heavy Snow

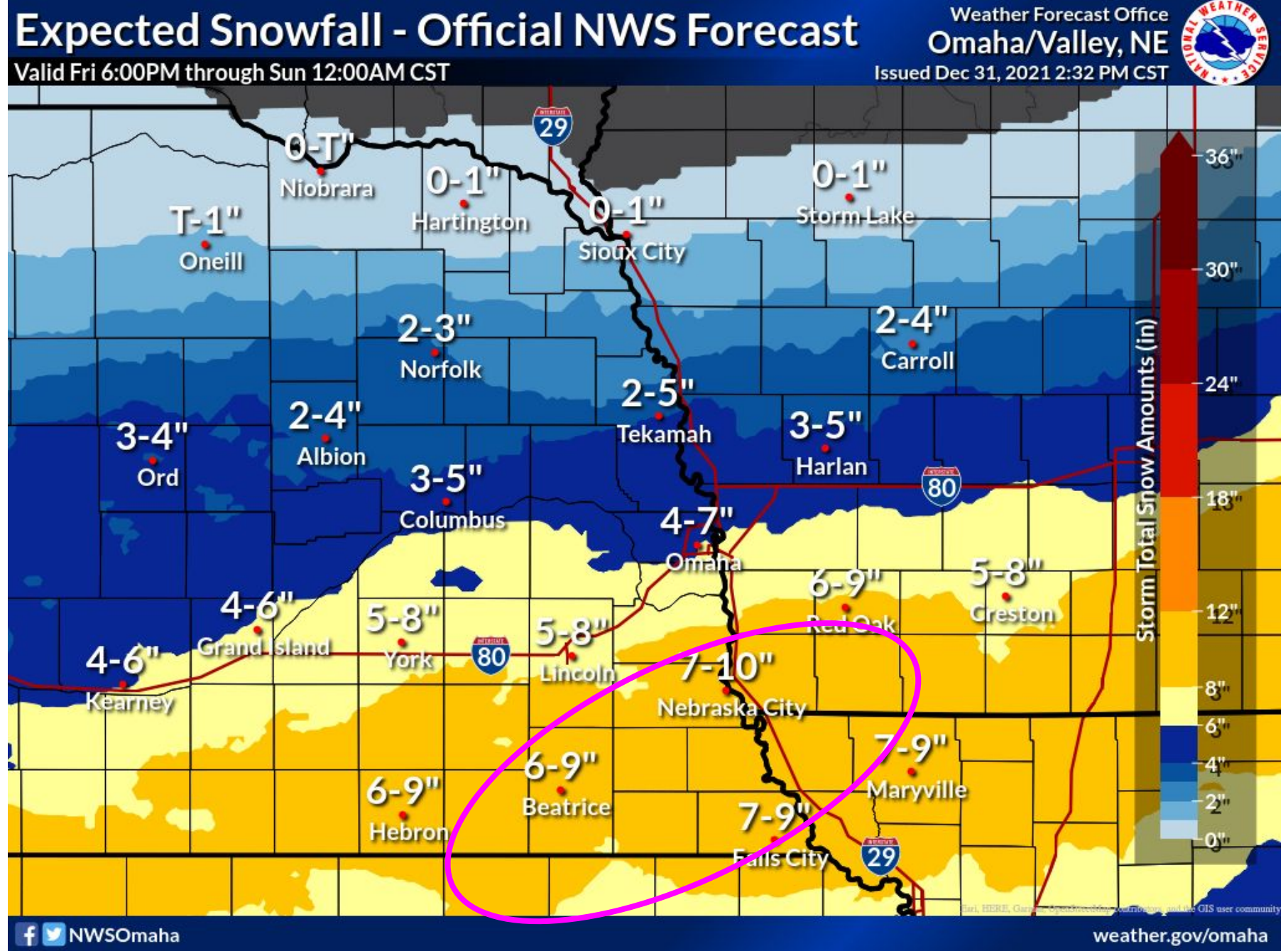
Winter Weather Details

- 35-60% chance of 6" or more along I-80, including Omaha and Lincoln. 60-85% chance of 6" or more south of I-80.
 - ◆ Localized 12" totals possible in highlighted area.
- Peak snowfall rates near 1 inch per hour for several hours along and south of Interstate 80.
- Snow will be light and fluffy, resulting in prolonged blowing and drifting.

Impacts



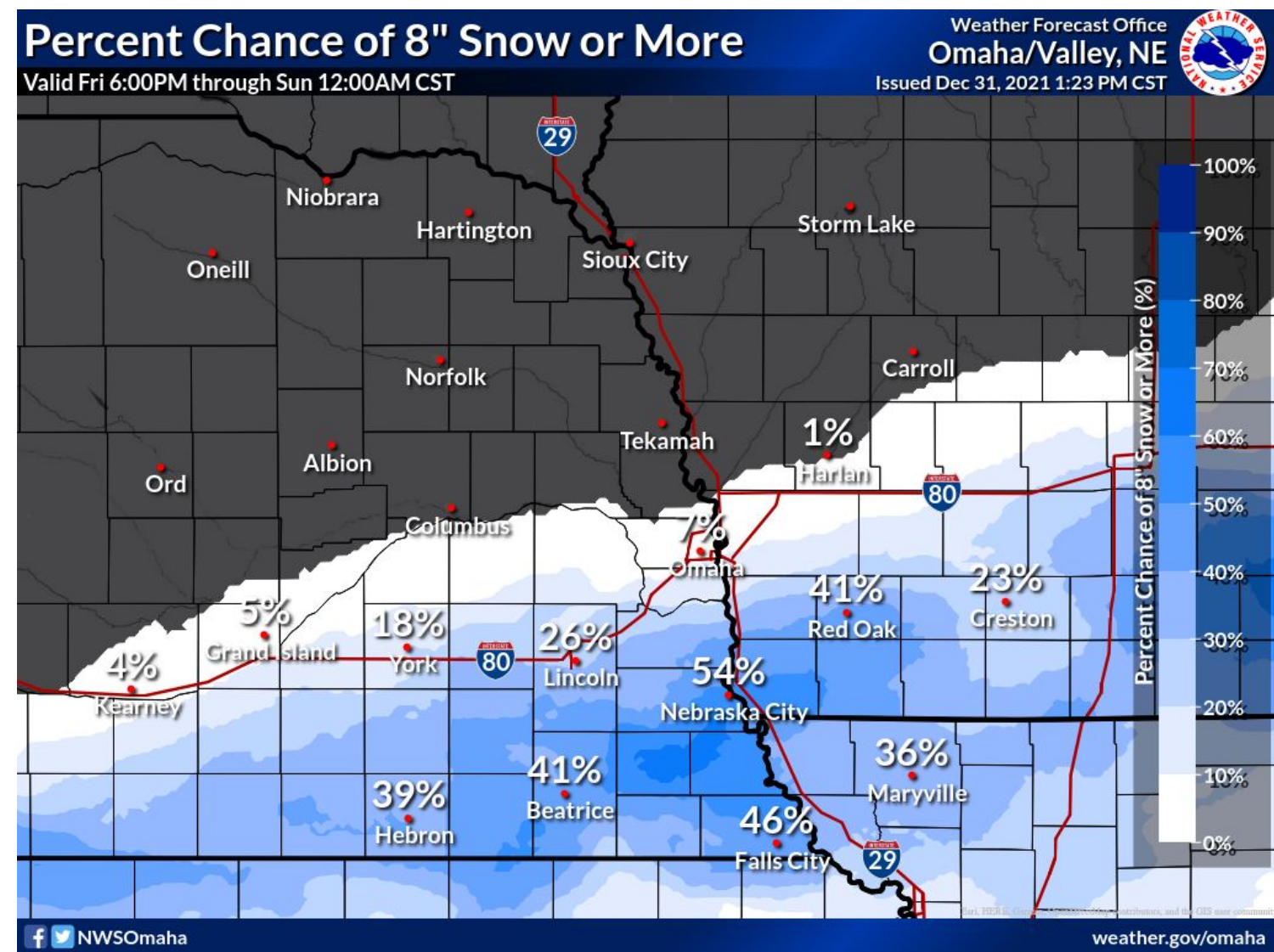
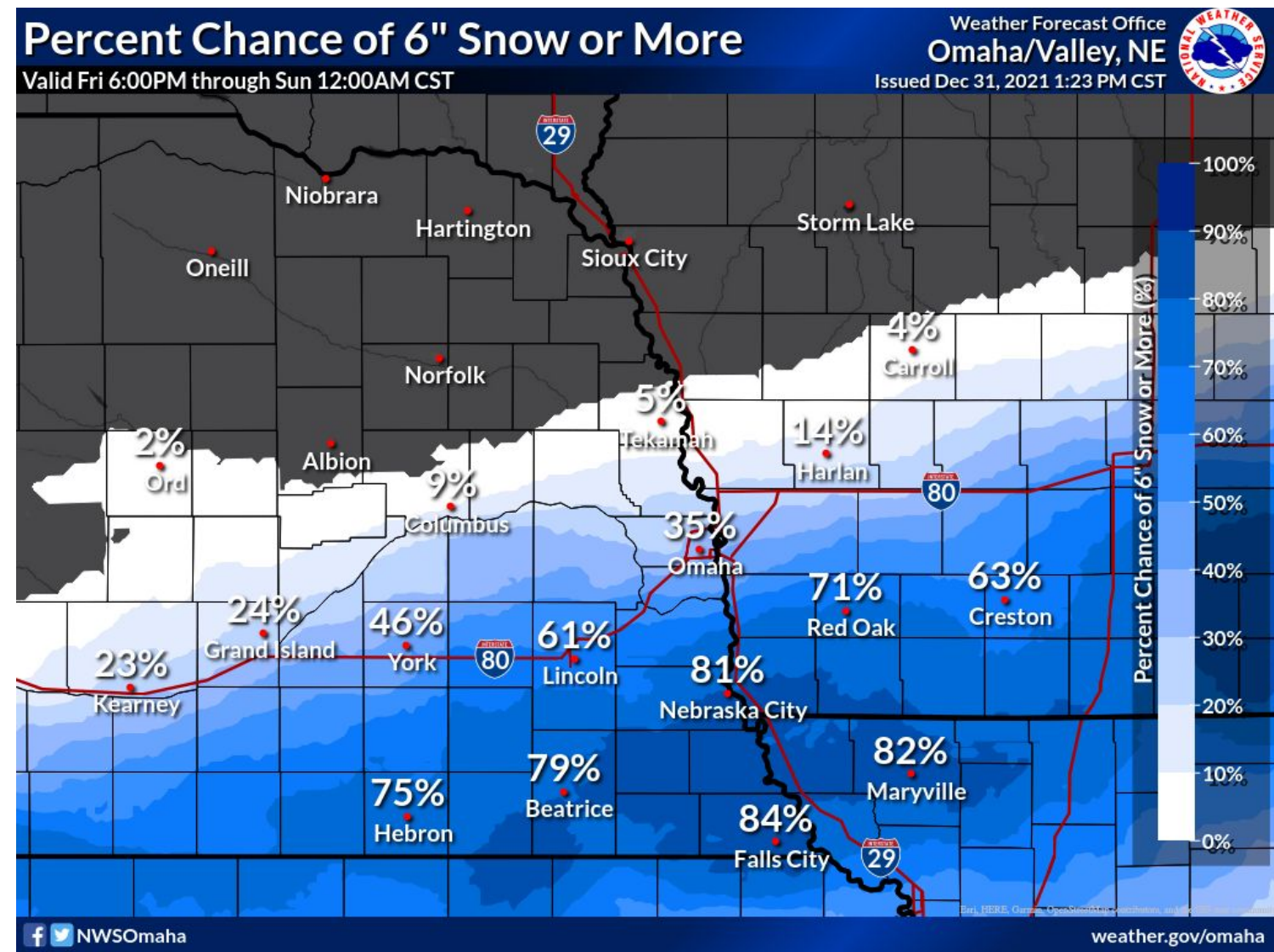
- Hazardous travel expected
- Roads snow covered and slick
- Severely reduced visibilities





Chance of 6" and 8"

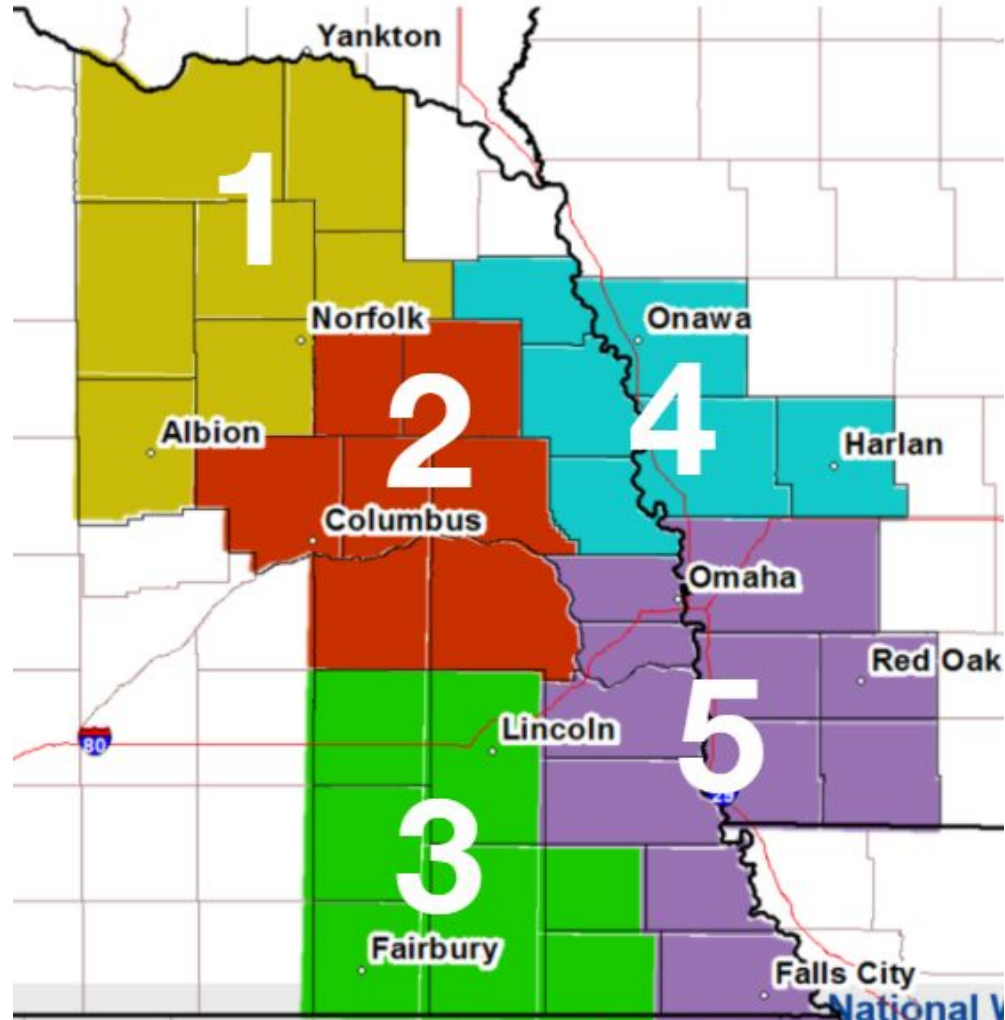
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Snow Intensity Timeline

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	FRI 6 PM-12 AM	SAT 12 AM-6 AM	SAT 6 AM-12 PM	SAT 12 PM-6 PM	SAT 6 PM-12 AM	SUN 12 AM-6 AM
1	Flurries	Light Snow	Light Snow	Flurries		
2		Light Snow	Heavy Snow	Moderate Snow		
3		Moderate Snow	Heavy Snow	Moderate Snow	Light Snow	
4		Light Snow	Moderate Snow	Moderate Snow		
5		Light Snow	Heavy Snow	Heavy Snow	Light Snow	

Light Snow	Light Sleet/Ice Pellets	Light Freezing Rain/Drizzle	Light Wintry Mix
Moderate Snow	Moderate Sleet/Ice Pellets	Moderate Freezing Rain/Drizzle	Moderate Wintry Mix
Heavy Snow	Heavy Sleet/Ice Pellets	Heavy Freezing Rain/Drizzle	Heavy Wintry Mix



Bitterly Cold Wind Chills

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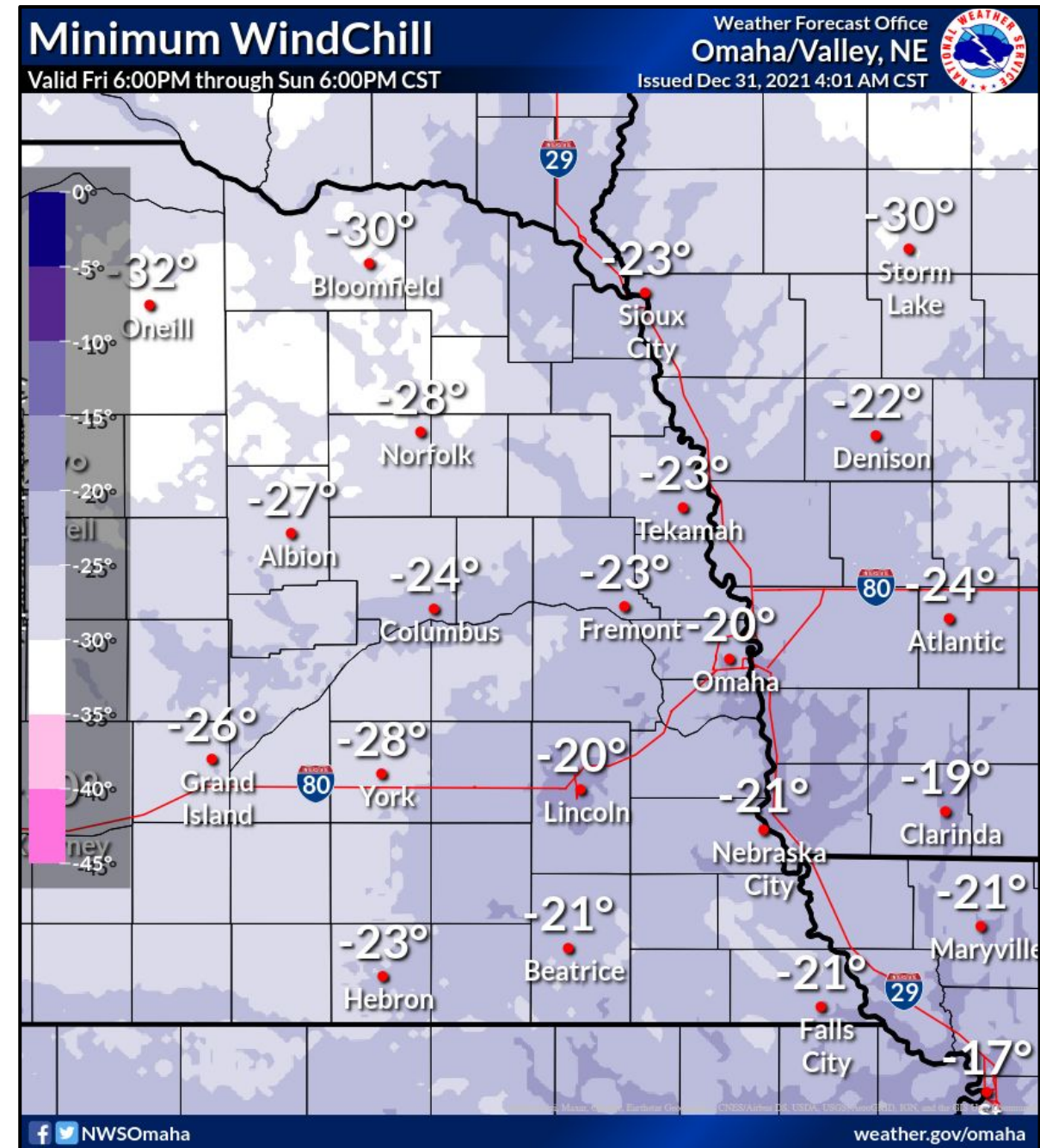
Dangerous Cold Expected Tonight Into Sunday Morning

Wind Chill Advisory

- Hazardous wind chills tonight through Sunday.
- Lowest readings Saturday and Sunday mornings.
- Wind chills for New Year's Eve celebrations will range from 0 to 29 below (6 PM Fri to 12 AM Sat).
- Northerly wind gusts of 25 to 35 mph are expected Saturday morning.

What Can I Do?

- Keep skin covered
- Dress in layers
- Limit outdoor activity and keep pets inside





Expected Wind Chill Timeline

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Minimum Wind Chill Forecast

	12/31 Fri		1/1 Sat								1/2 Sun							Minimum
	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	
Albion	-9	-15	-21	-25	-26	-28	-23	-19	-17	-17	-15	-12	-4	-7	9	16	12	-28
Beatrice	7	-1	-7	-13	-18	-21	-20	-17	-19	-18	-20	-21	-22	-18	-7	3	0	-22
Clarinda	11	4	-4	-8	-15	-16	-16	-15	-18	-17	-19	-21	-18	-12	-7	-4	-6	-21
Columbus	-4	-10	-15	-19	-23	-24	-22	-19	-19	-18	-17	-16	-12	-10	4	13	11	-24
Fairbury	6	-2	-8	-13	-18	-21	-21	-20	-18	-20	-20	-20	-11	-17	-4	4	0	-21
Falls City	17	9	1	-4	-11	-14	-16	-15	-18	-17	-19	-21	-21	-18	-8	-1	-4	-21
Fremont	-1	-8	-14	-18	-21	-23	-21	-17	-19	-20	-20	-17	-6	-8	-1	5	2	-23
Harlan	1	-8	-14	-17	-22	-23	-22	-19	-19	-19	-21	-21	-15	-12	-6	-3	-6	-23
Hartington	-14	-19	-23	-25	-28	-28	-25	-21	-22	-20	-19	-19	-16	-13	3	10	7	-28
Lincoln	6	-2	-8	-12	-18	-20	-19	-16	-14	-15	-15	-15	-6	-8	-1	6	4	-20
Nebraska City	8	2	-4	-10	-16	-17	-18	-16	-16	-17	-19	-20	-20	-15	-4	0	-2	-20
Neligh	-14	-18	-23	-26	-28	-30	-24	-17	-17	-18	-16	-14	-10	-8	9	18	15	-30
Norfolk	-9	-14	-21	-25	-27	-27	-24	-20	-20	-19	-15	-5	-9	-9	5	14	10	-27
Oakland, IA	4	-1	-10	-13	-18	-20	-20	-17	-16	-18	-20	-20	-19	-15	-6	-3	-7	-20
Omaha	5	-2	-8	-12	-17	-20	-19	-15	-14	-15	-17	-17	-4	-7	0	5	2	-20
Onawa	-5	-10	-17	-21	-23	-24	-20	-16	-19	-20	-20	-20	-14	-11	-1	3	-2	-24
Red Oak	8	1	-6	-11	-16	-17	-17	-16	-17	-16	-19	-20	-19	-14	-3	-5	-7	-20
Seward	1	-7	-11	-17	-22	-24	-21	-20	-17	-19	-20	-21	-20	-18	-3	6	3	-24
Tecumseh	7	2	-5	-11	-17	-20	-20	-18	-19	-18	-20	-21	-22	-18	-6	-1	-3	-22
Tekamah	-4	-11	-17	-20	-23	-24	-22	-19	-20	-21	-21	-19	-14	-9	-3	0	-2	-24
Wahoo	0	-6	-13	-16	-20	-22	-21	-18	-18	-20	-19	-17	-15	-10	-1	4	3	-22
Wayne	-9	-14	-21	-25	-26	-28	-23	-20	-22	-23	-20	-17	-15	-12	3	9	7	-28





Expected Wind Gust Timeline

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Wind

- The strongest winds are expected on Saturday with gusts of 35-40 mph.
- Wind direction will be from the north.
- The wind combined with the fluffy snow consistency will result in a prolonged period of blowing snow, and resulting visibility restrictions.
- Winds will diminish on Saturday night into Sunday morning.

Maximum Wind Gust Forecast

	12/31 Fri		1/1 Sat							1/2 Sun					Maximum	
	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am		12pm
Albion	28	30	29	30	33	33	32	30	25	20	12	8	12	15	16	33
Beatrice	26	30	30	30	32	36	37	35	31	25	21	14	6	9	14	37
Clarinda	24	25	29	29	31	35	35	33	30	25	21	17	7	7	10	35
Columbus	28	29	29	28	32	30	31	29	24	22	13	8	9	14	16	32
Fairbury	28	30	30	32	35	36	35	33	30	23	20	12	7	10	14	36
Falls City	22	26	28	28	30	32	35	33	31	26	23	18	8	10	13	35
Fremont	26	26	29	28	32	32	33	30	26	24	20	12	6	13	16	33
Harlan	28	28	29	28	31	31	32	31	26	24	20	18	9	10	16	32
Hartington	25	24	23	24	26	25	26	25	24	18	12	9	12	17	18	26
Lincoln	25	28	30	30	32	33	33	33	28	24	18	9	6	13	17	33
Nebraska City	24	28	29	29	32	33	35	33	30	25	21	18	8	9	13	35
Norfolk	28	25	28	26	30	29	30	29	25	18	13	7	9	15	17	30
Omaha	25	26	28	28	31	32	33	32	29	24	21	15	7	10	15	33
Onawa	26	24	25	25	30	28	30	28	24	22	18	13	6	13	17	30
Red Oak	25	28	29	29	31	32	33	33	29	25	21	17	8	9	12	33
Seward	26	30	30	30	35	35	35	33	28	25	18	12	9	15	18	35
Tecumseh	25	29	29	29	32	35	36	35	31	26	22	17	8	10	14	36
Tekamah	28	26	29	28	32	32	32	30	26	23	18	13	6	14	17	32
Wahoo	26	29	29	29	35	33	35	32	28	25	20	10	6	13	16	35
Wayne	29	25	26	26	30	29	30	28	26	22	16	9	10	17	20	30





Points to Remember

- Focus on the potential. Winter forecasts can change and the axis of heaviest snow can shift.
- Stay informed. Please reach out to us with additional questions.

Additional Resources

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

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



Winter Driving

Slow down and use caution if you must travel during this upcoming winter storm as road conditions can change quickly. Before you travel, pack a winter survival kit for your vehicle. If possible, consider altering your travel plans.



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