



Heavy Snow and Cold Next Week

February 16, 2025
5:05 AM

Key Messages

- High confidence in heavy snowfall (50-85% chance of greater than 6 inches) on Tuesday.
- Winter Storm Watch for Tuesday through Wednesday.
- Travel impacts and closures are likely with this system.
- High confidence in dangerous cold on Tuesday through Friday morning.

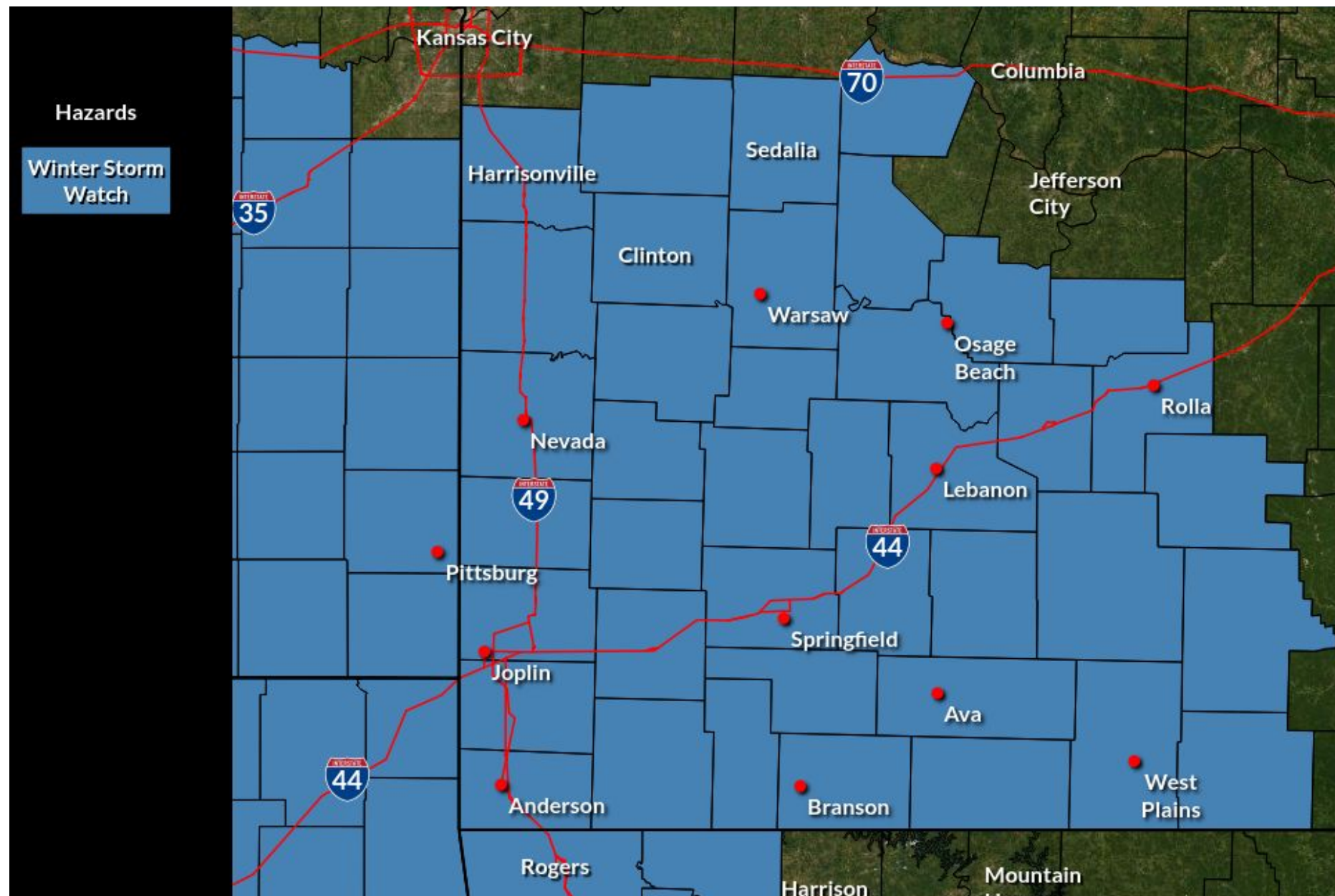
NEW

Important Updates

- Snow amounts continue to trend higher.

Next Scheduled Briefing

- Sunday Afternoon



Winter Storm Watch Tuesday - Wednesday



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Springfield, MO



Winter Storm and Cold Details

February 16, 2025
5:05 AM



Hazards: Heavy snow (50-85% chance of amounts greater than 6 inches). Wind gusts of 20 to 30 mph. Wind chill values in the -10 to -25 degree range.



Areas Impacted: The entire area will be impacted by heavy snow with highest amounts currently expected along I-44. The entire area will also experience dangerously cold wind chills Tuesday through Thursday.



Timing & Duration: Snow begins after Midnight Tuesday morning, continuing through Tuesday night, ending Wednesday morning.



Impacts: Travel impacts, closures to businesses/schools and disruptions to daily life are likely. Dangerously cold wind chills could lead to hypothermia and/or frostbite, especially those most sensitive to the cold.



Certainty & Considerations: Confidence is high in heavy snow causing impacts therefore don't focus on exact snow amounts. If wind gusts increase then near blizzard like conditions with drifting of snow would occur.

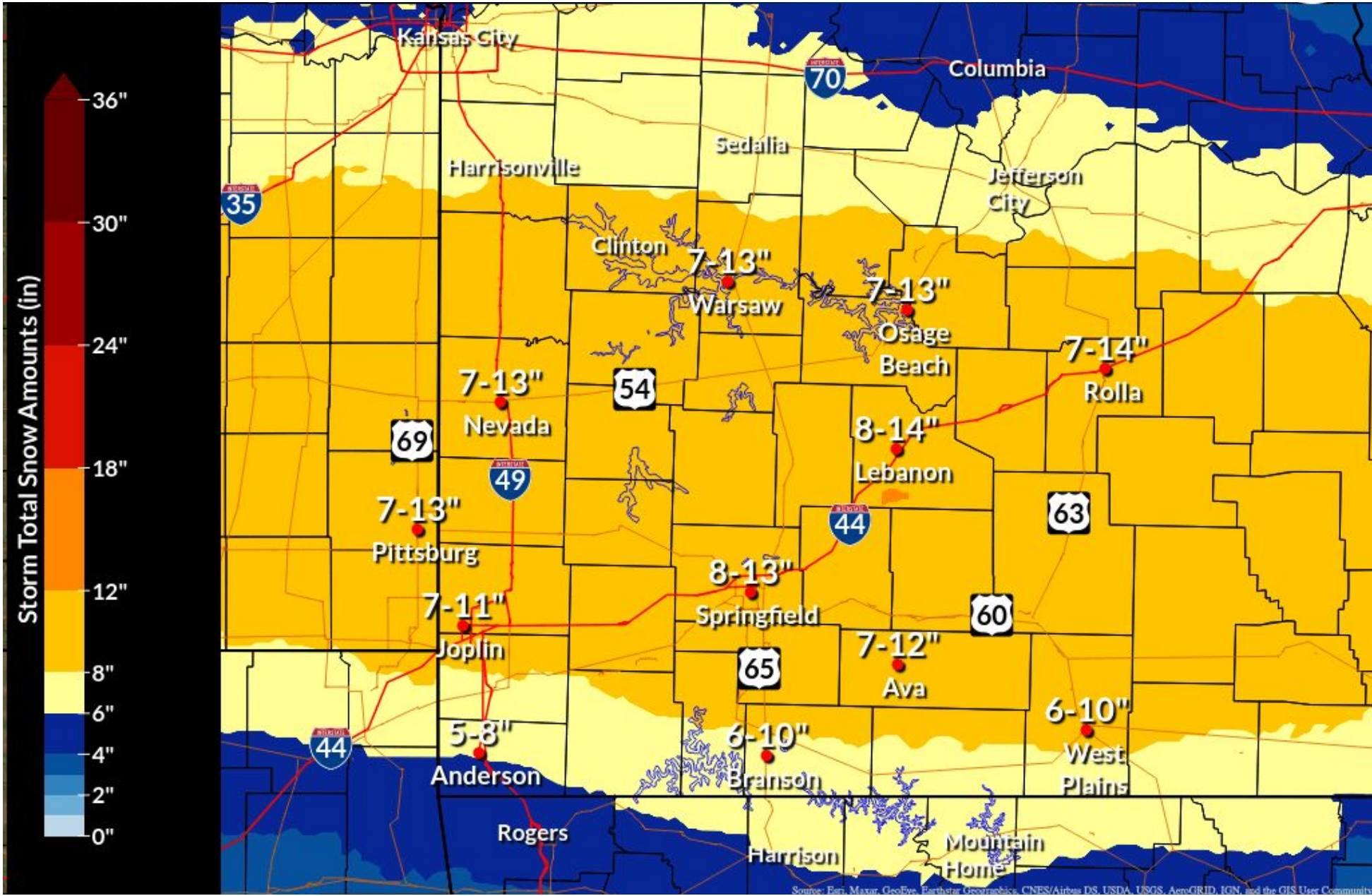




Expected Snowfall

February 16, 2025
5:05 AM

Snowfall Ranges



Forecast Snowfall Amounts (25th - 75th percentile)

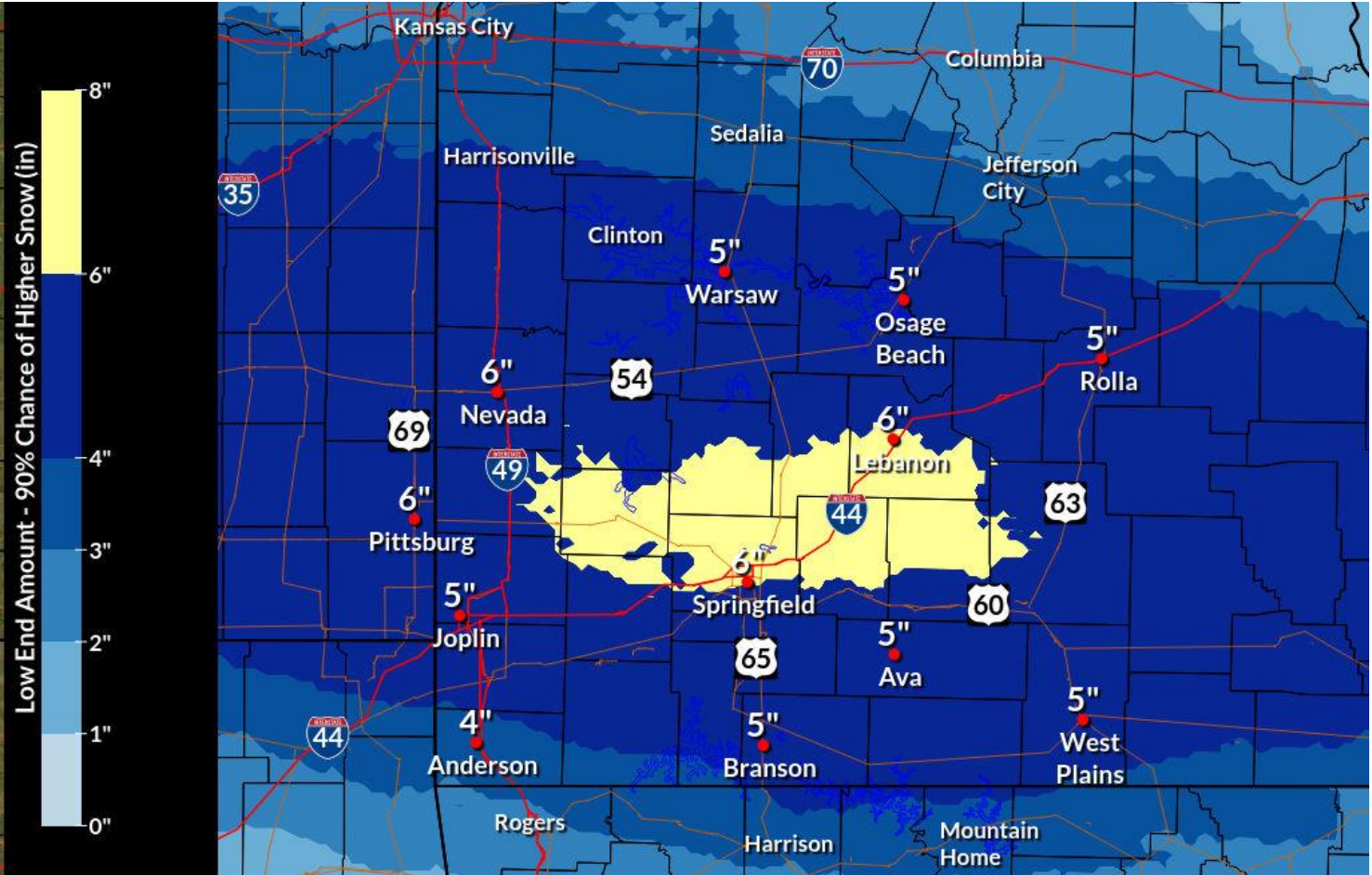




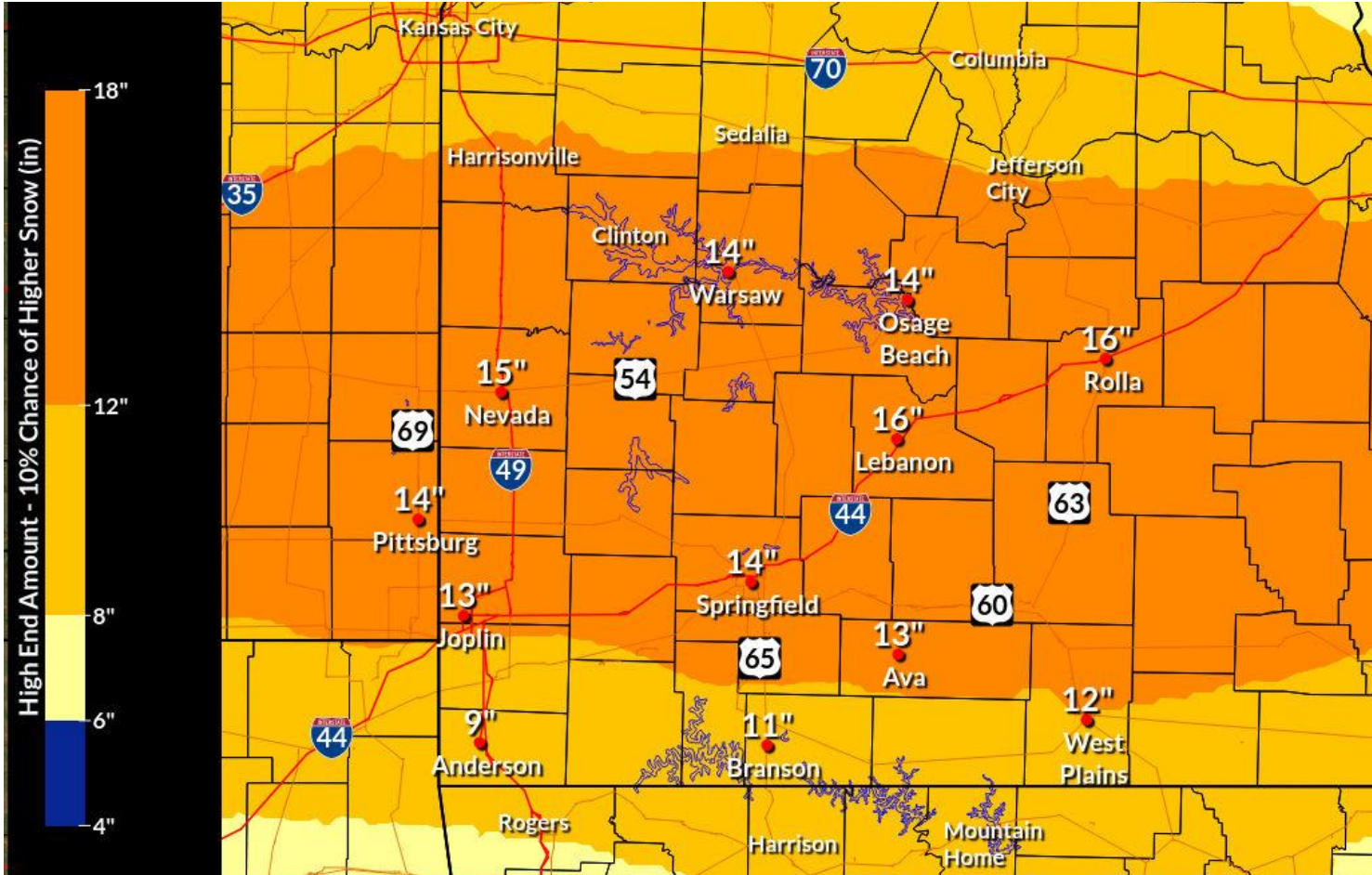
Expected Snowfall

February 16, 2025
5:05 AM

Low and High End Amounts



Low End Amounts (10th percentile)



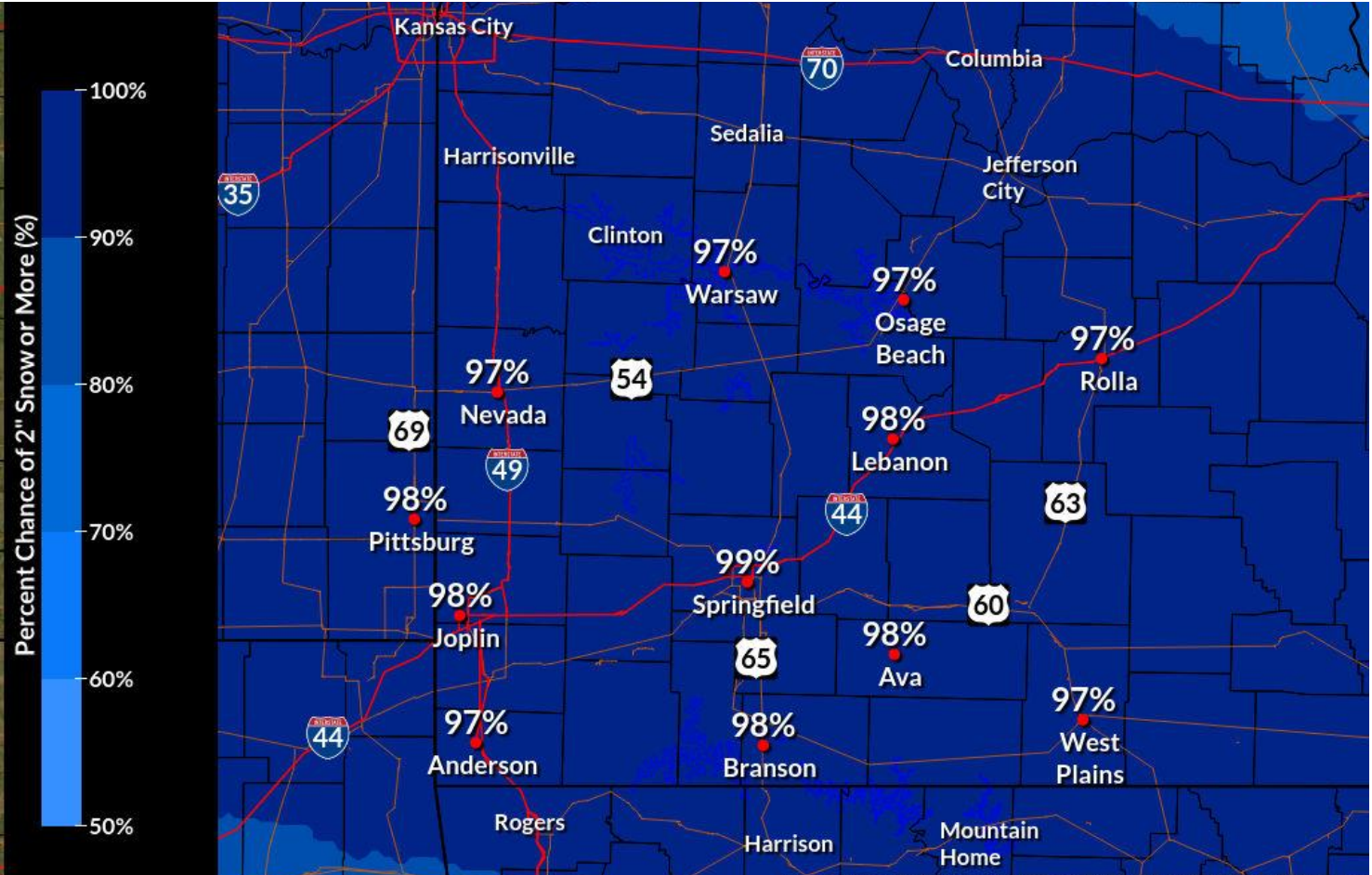
High End Amounts (90th percentile)



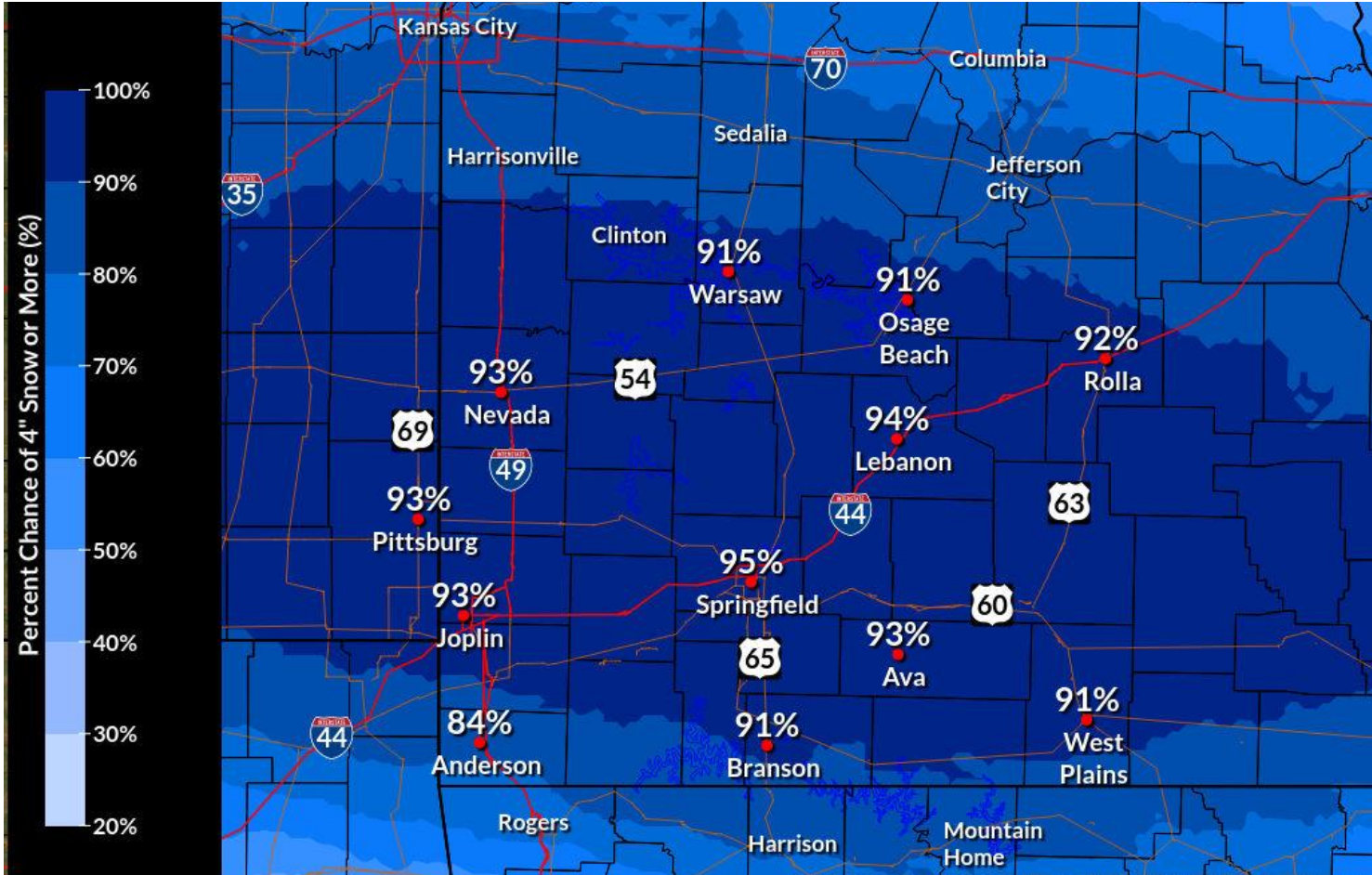


Probabilistic Snowfall

February 16, 2025
5:05 AM



Probability of > 2.0" of snowfall



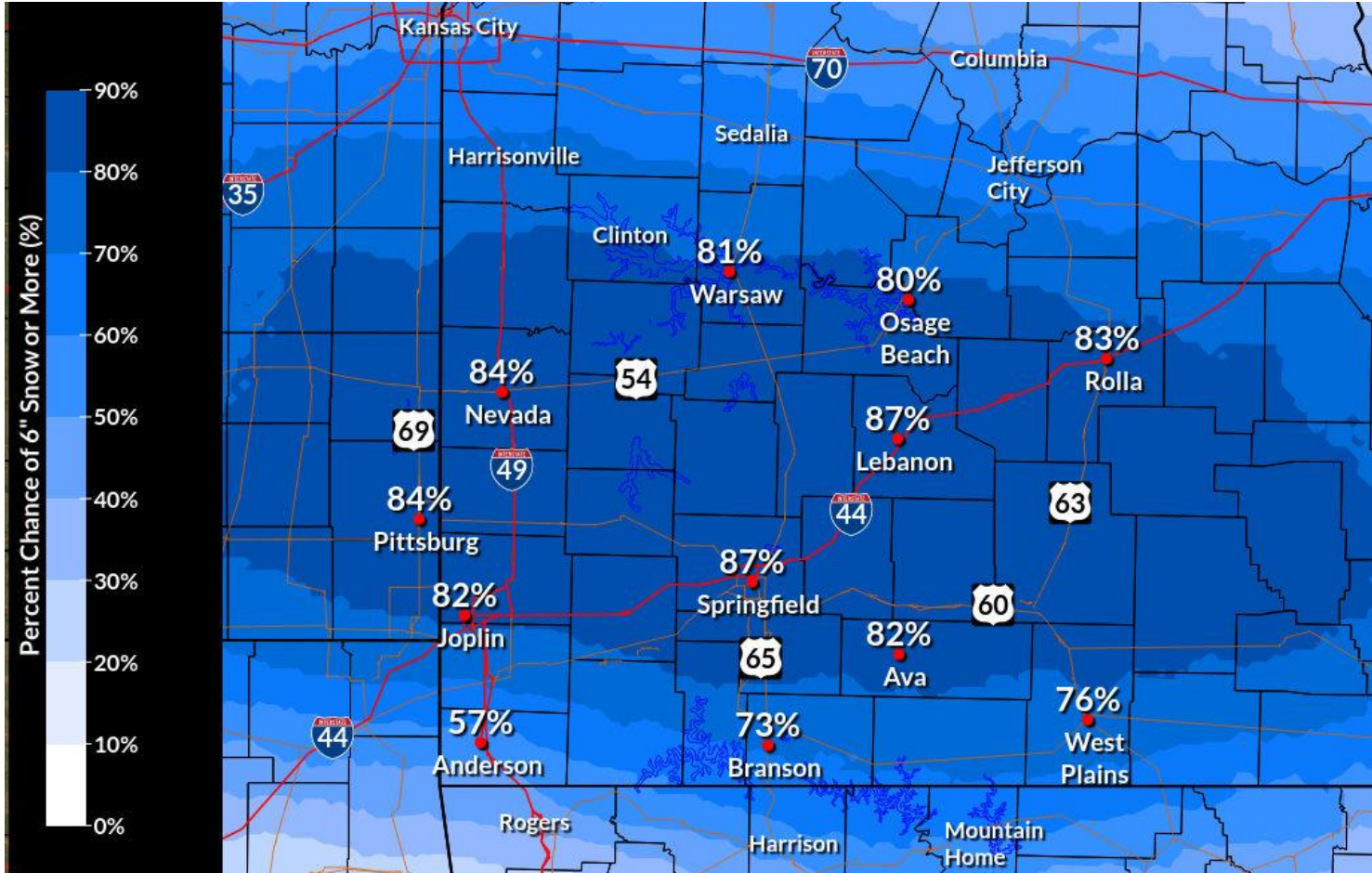
Probability of > 4.0" of snowfall



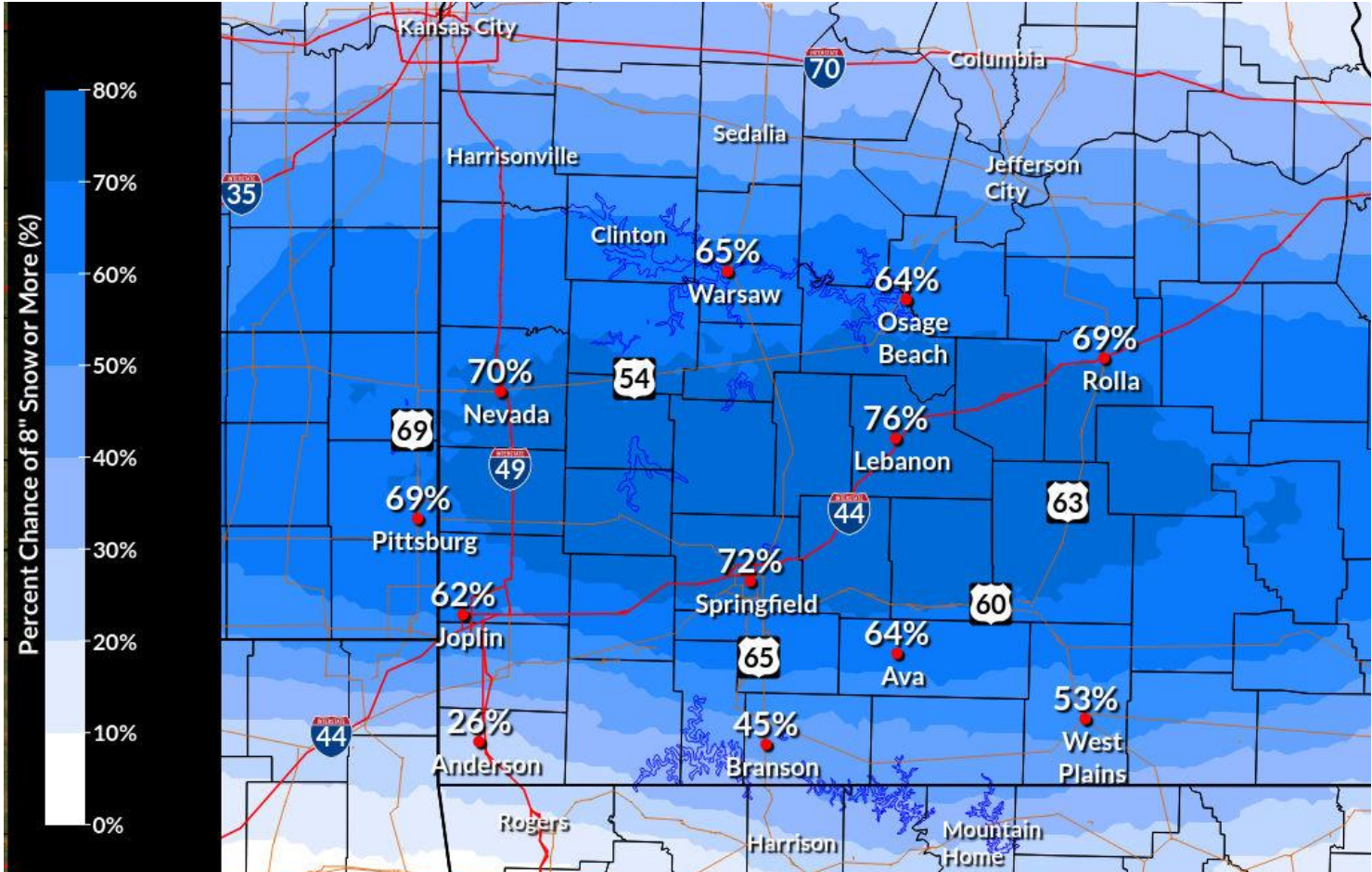


Probabilistic Snowfall

February 16, 2025
5:05 AM



Probability of > 6.0" of snowfall



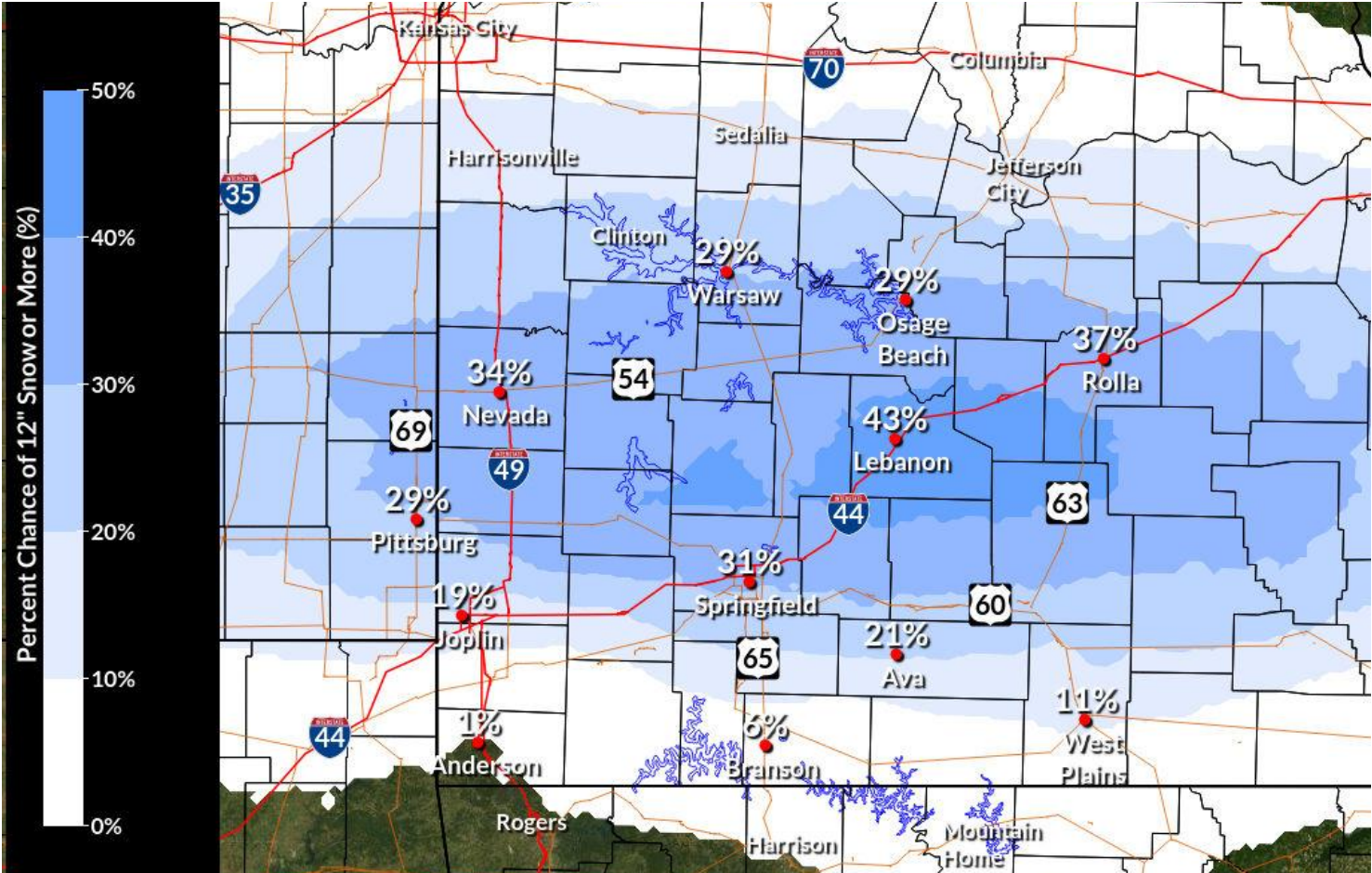
Probability of > 8.0" of snowfall



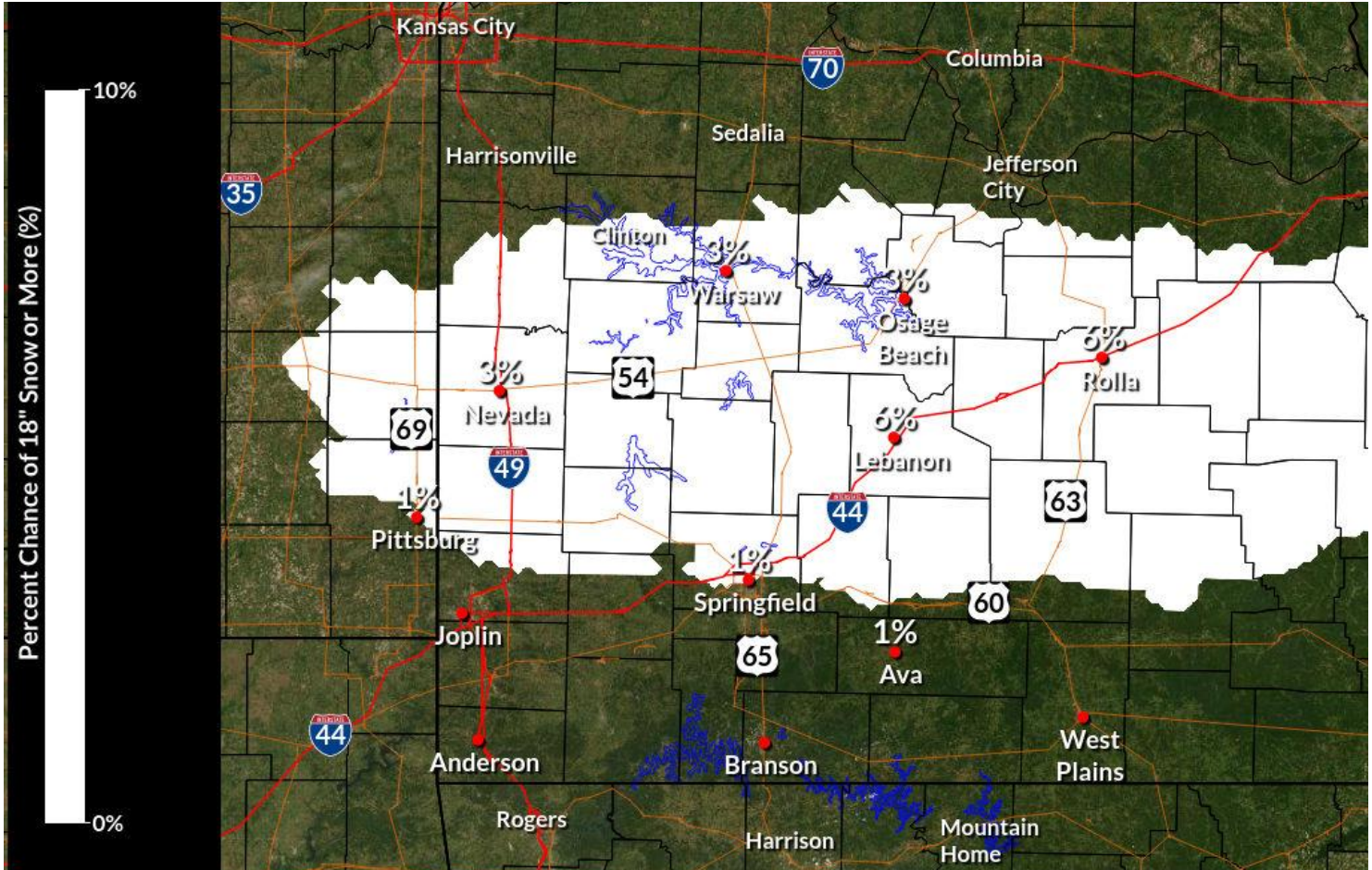


Probabilistic Snowfall

February 16, 2025
5:05 AM



Probability of > 12.0" of snowfall



Probability of > 18.0" of snowfall





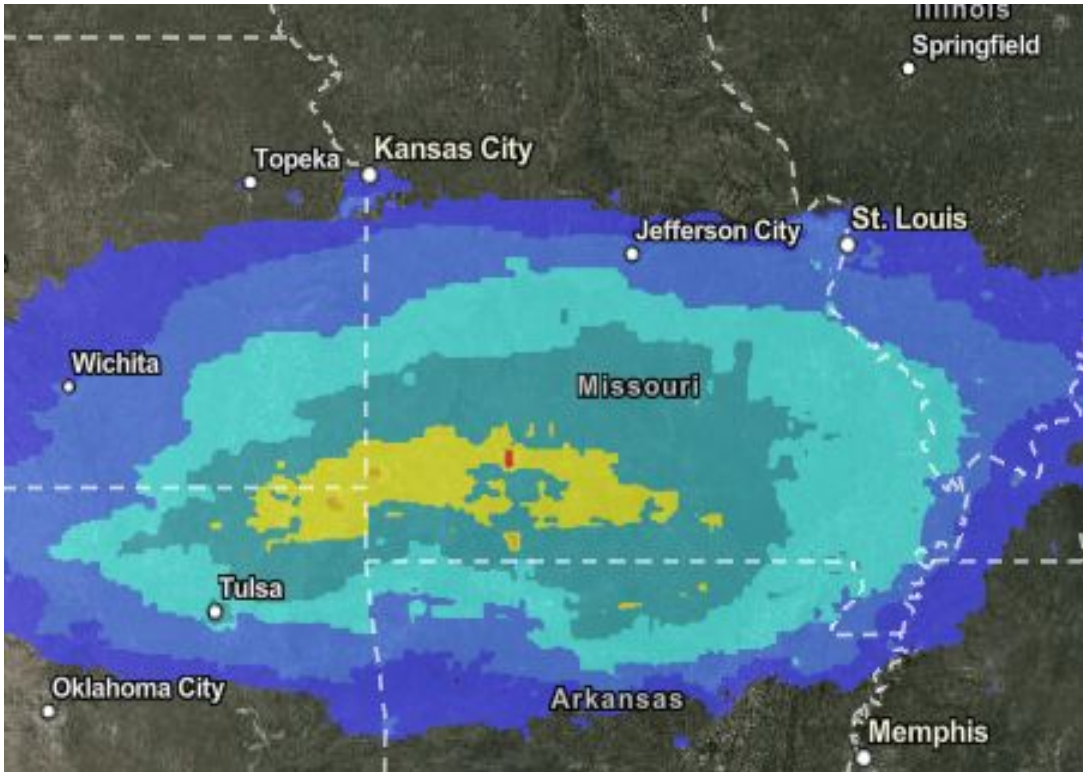
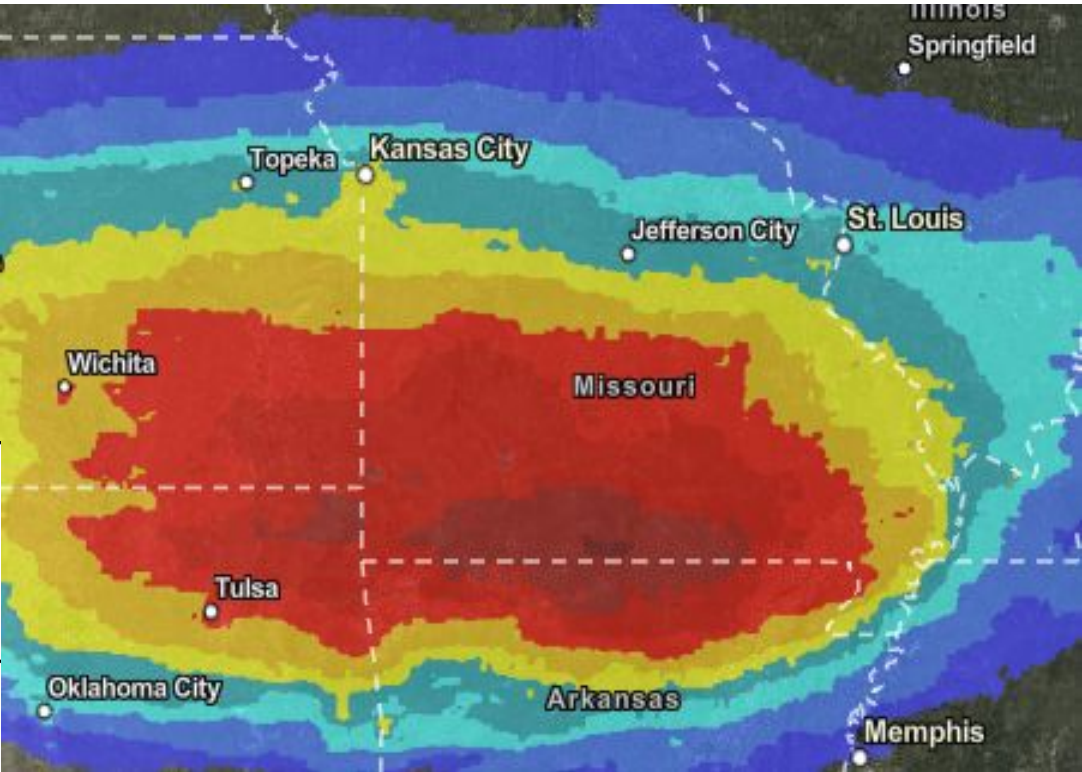
Probabilistic WSSI

February 16, 2025
5:05 AM

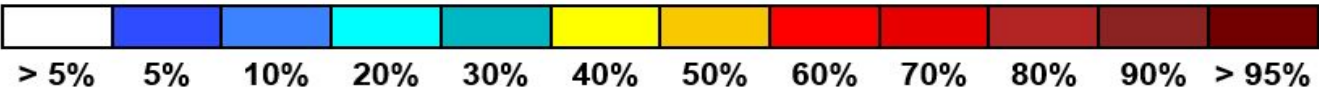
Tuesday into Wednesday

Moderate

Major



Likelihood of Impact



Moderate Impacts

- Expect disruptions to daily life.
- Hazardous driving conditions. **Use extra caution while driving.**
 - Closures and disruptions to infrastructure may occur.

Major Impacts

- Expect considerable disruptions to daily life.
- Dangerous or impossible driving conditions. **Avoid travel if possible.**
 - Widespread closures and disruptions to infrastructure may occur.

High confidence this system will cause impacts to travel. Disruptions to daily life are likely. Closures and disruptions to infrastructure will occur.

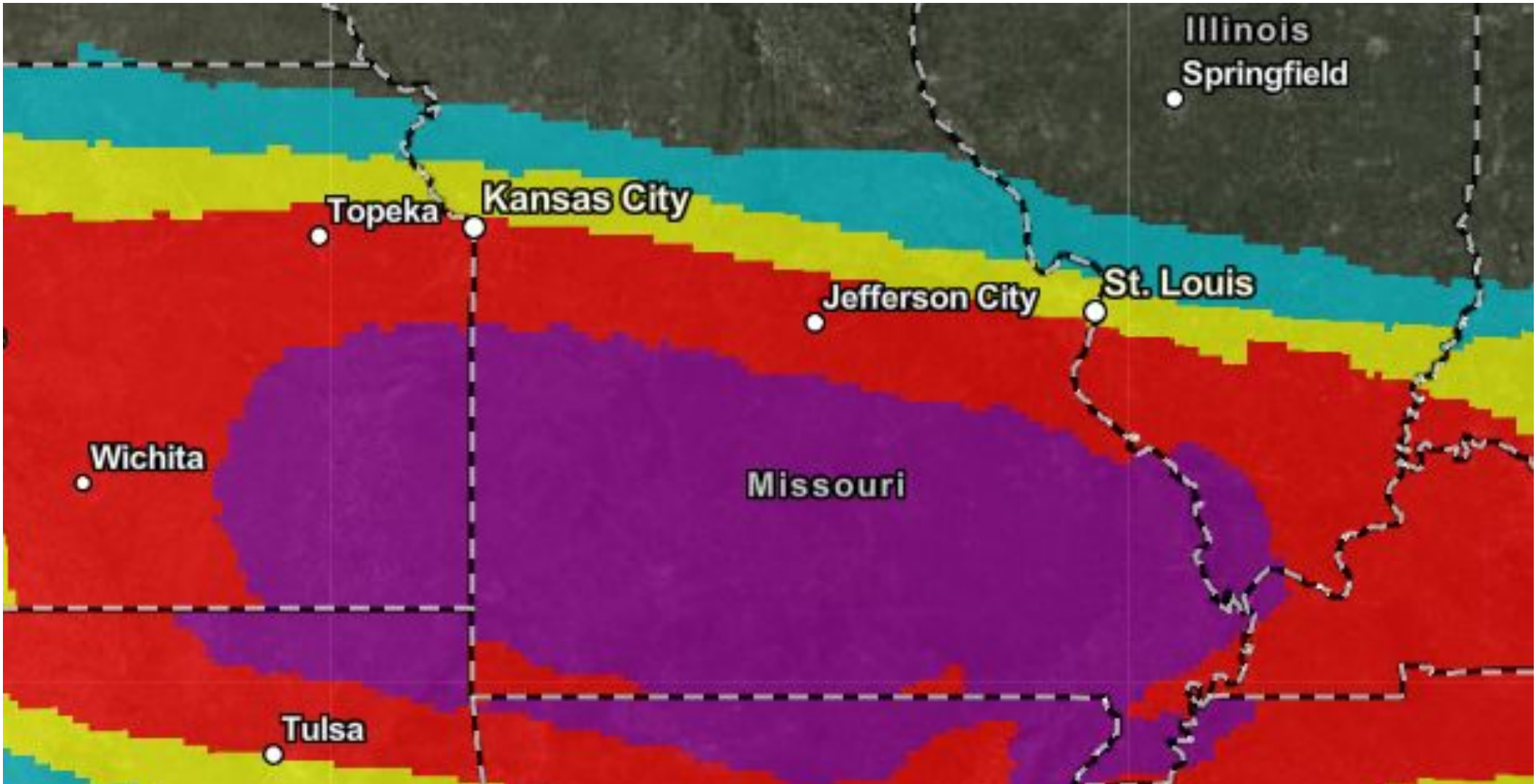




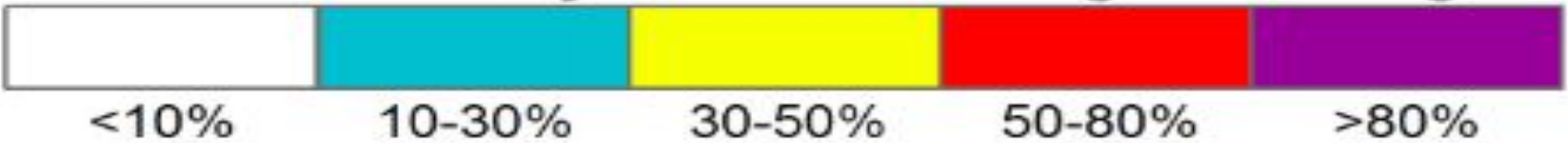
Chance of Reaching Winter Storm Warning

February 16, 2025
5:05 AM

High Confidence in Winter Storm Warning



Maximum Probability of Exceeding Warning Criteria





Estimated Snow Timing/Intensity

February 16, 2025
5:05 AM

Heaviest Snow on Tuesday

	2/18 Tue								2/19 Wed		
	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am
Branson	15%	15%	55%	55%	90%	90%	90%	90%	45%	45%	5%
Fort Leonard Wood	25%	25%	60%	60%	90%	90%	85%	85%	45%	45%	15%
Joplin	35%	35%	85%	85%	100%	100%	80%	80%	35%	35%	5%
Lebanon	25%	25%	65%	65%	95%	95%	85%	85%	45%	45%	10%
Osage Beach	30%	30%	55%	55%	85%	85%	75%	75%	35%	35%	5%
Pittsburg, KS	45%	45%	90%	90%	95%	95%	75%	75%	35%	35%	5%
Rolla	25%	25%	65%	65%	90%	90%	85%	85%	50%	50%	15%
Springfield	25%	25%	70%	70%	95%	95%	85%	85%	45%	45%	10%
West Plains	10%	10%	35%	35%	85%	85%	90%	90%	60%	60%	10%

- Snow +

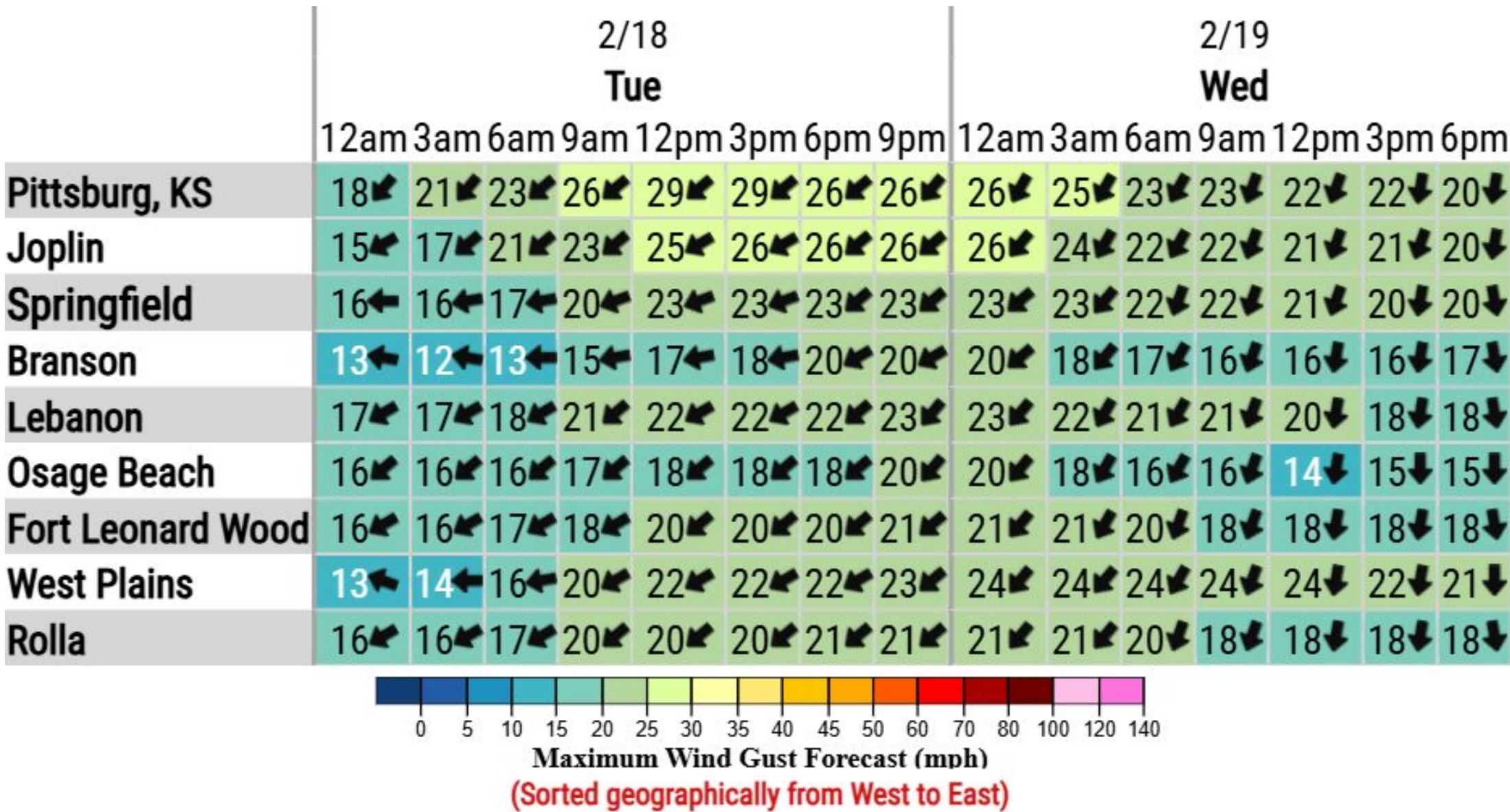




Gusty Winds Tuesday - Wednesday

February 16, 2025
5:05 AM

Blowing and Drifting Snow



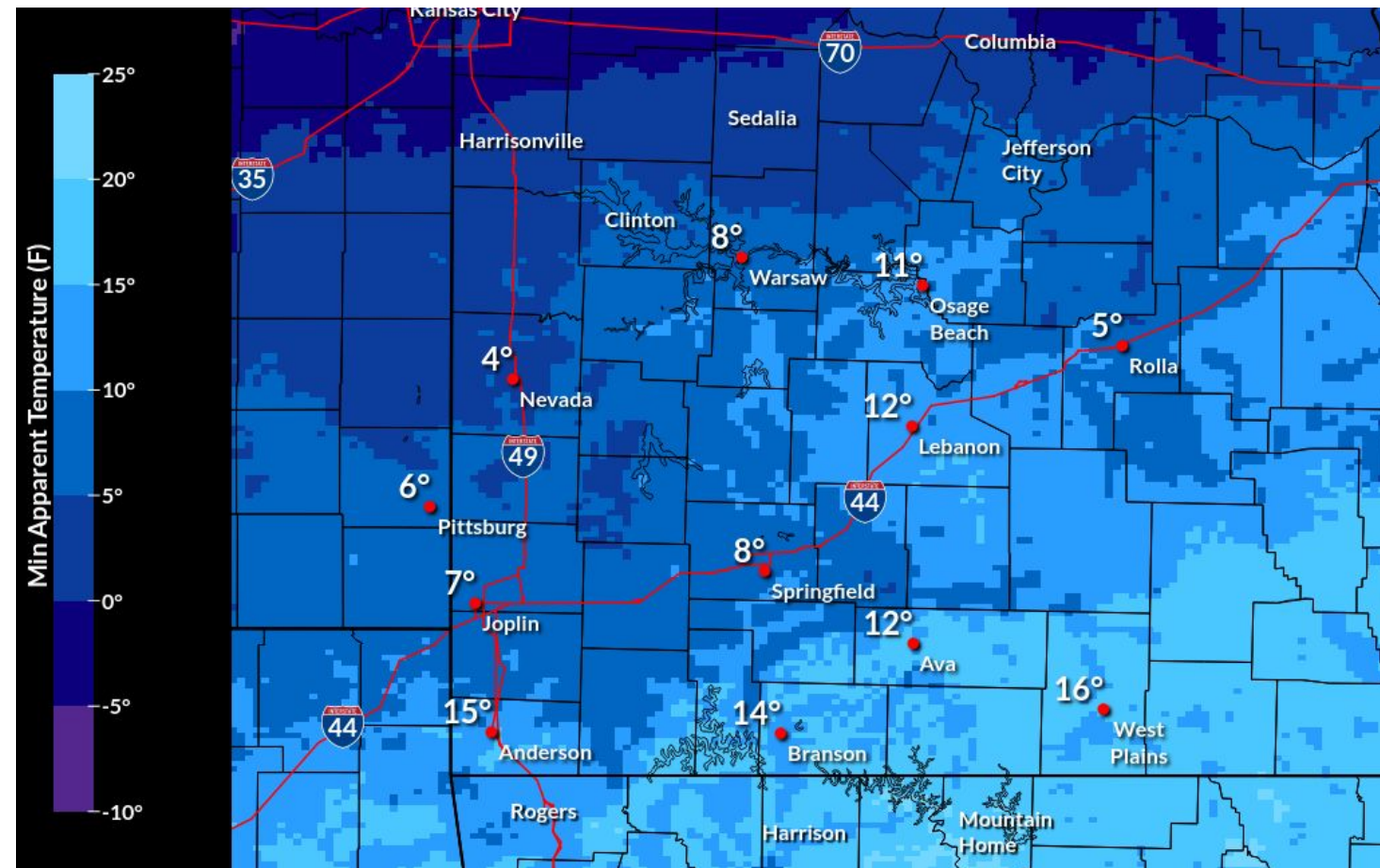
→ High confidence of 20-30 mph wind gusts Tuesday into Wednesday. These winds could cause reduced visibility along with blowing and drifting of snow with near blizzard like conditions at times west of Springfield.



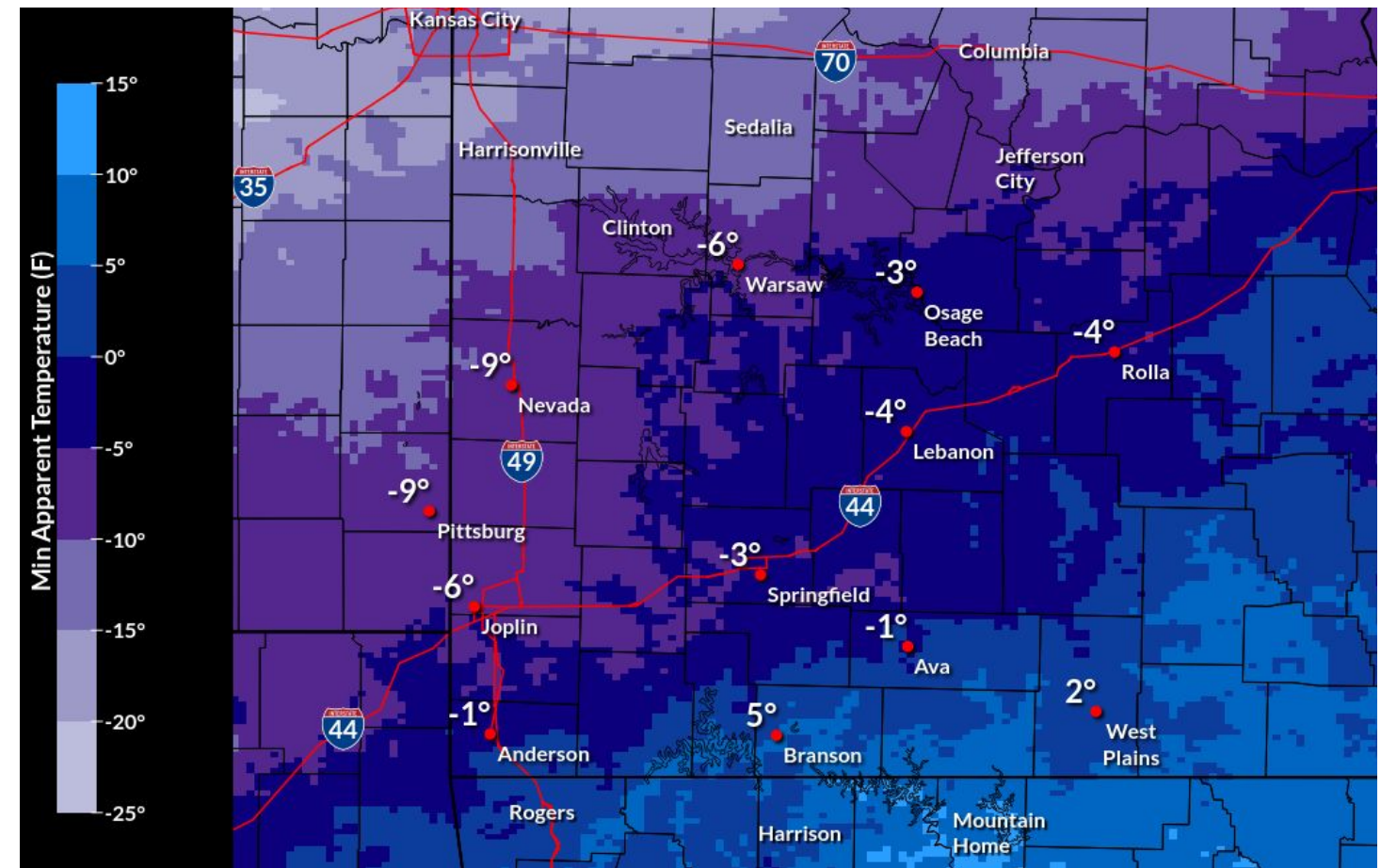


Forecast Minimum Wind Chills

February 16, 2025
5:05 AM



Monday Night



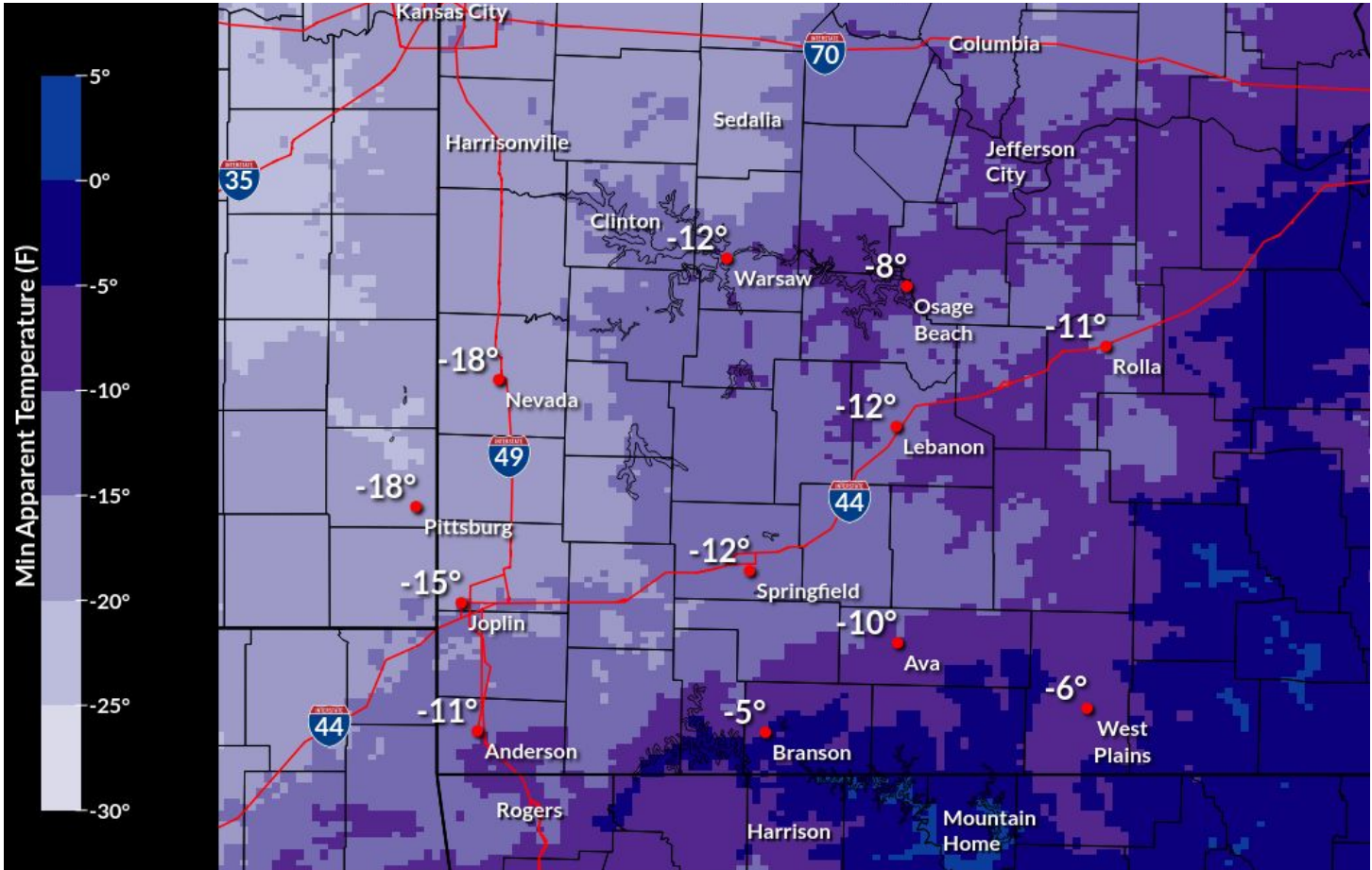
Tuesday Night



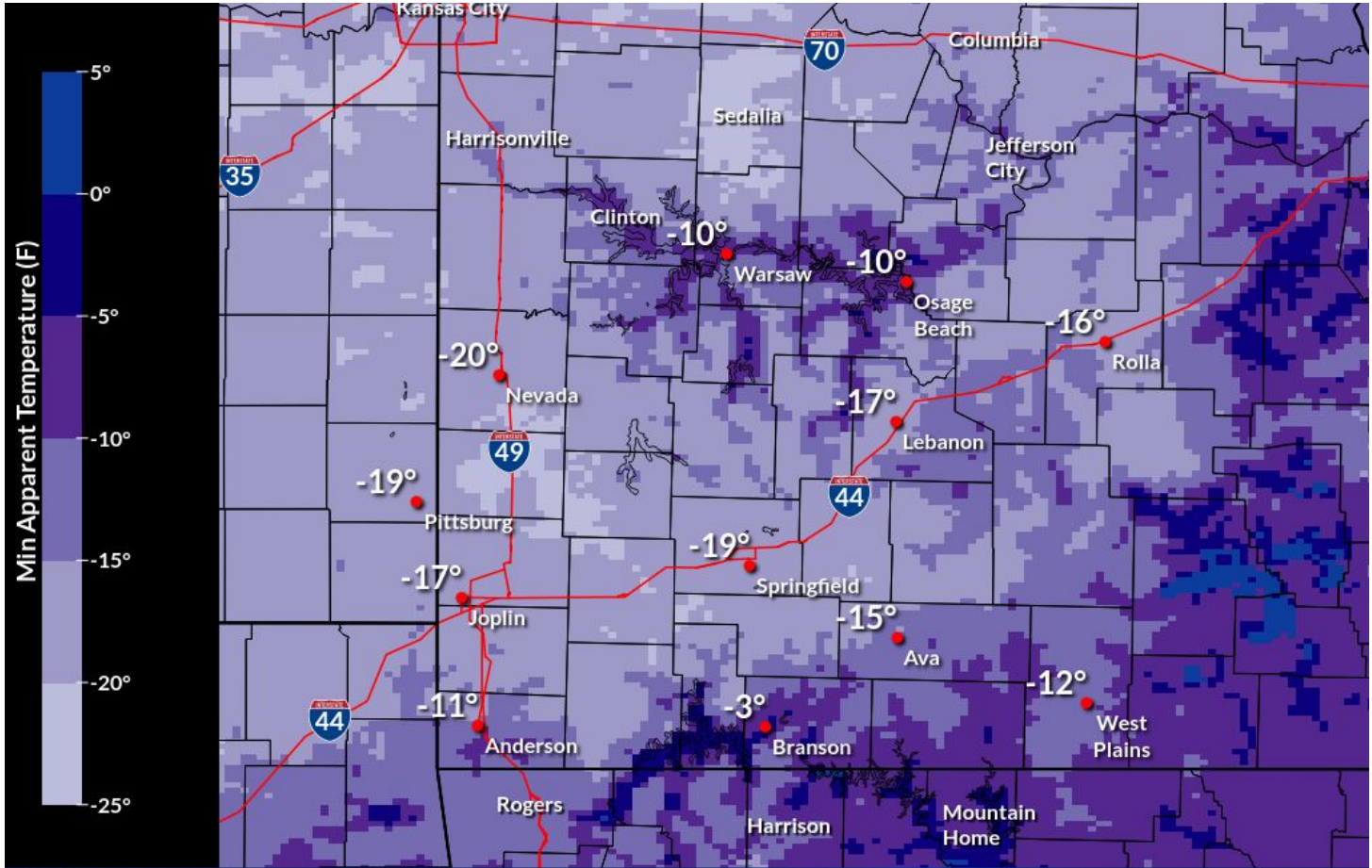


Forecast Minimum Wind Chills

February 16, 2025
5:05 AM



Wednesday Night



Thursday Night





Snow Amounts



Snow Timing



Dangerous Cold



Confidence Details and Alternate Scenarios

- There is high confidence that accumulating snow will impact the region on Tuesday. Banded snowfall may result in localized higher amounts.
- Increasing confidence in near blizzard like conditions could occur with wind gusts approaching 20 to 30 mph.
- There is high confidence that dangerous cold will move into the area behind the snow Tuesday night through Friday morning.



Winter Weather Resources

February 16, 2025
5:05 AM

Stay Up to Date With the Latest Forecast!

For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [NWS Springfield Probabilistic Snowfall](#)
- [MODOT Travel Map](#)
- [KDOT Travel Map](#)
- [Winter Weather Safety](#)
- [Winter Weather Reference Sheet](#)

Follow @NWSSpringfield



Winter Storm Planning Timeline

A few days out

If the forecast calls for winter weather, start preparing now.



Have emergency supplies for your home & car



Check your smoke and carbon monoxide detectors



Replenish fuel for your car and heating sources

The day before

Forecast accuracy continues to improve, so keep checking the latest.



Adjust plans



Have multiple ways to receive Warnings



Bring pets indoors and ensure they have water

During & After

Remain vigilant and stay informed. Drive only if necessary.



Check on neighbors and family



Properly ventilate emergency heat sources



Keep generators at least 20 feet from your home



Take it easy when shoveling

weather.gov

Prepare for Extreme Cold



Whether it's the wind chill or air temperature...

*Extreme cold is **dangerous**. Take it seriously.*

weather.gov



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Springfield, MO