

January 8, 2024
4:51 AM

Potential Winter Weather Monday and Tuesday

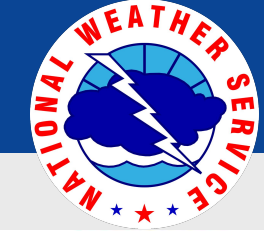
Updated: January 8, 2024 at 5 AM

National Weather Service
Springfield, MO



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

National Weather Service
Springfield, MO



Winter Weather for Monday and Tuesday

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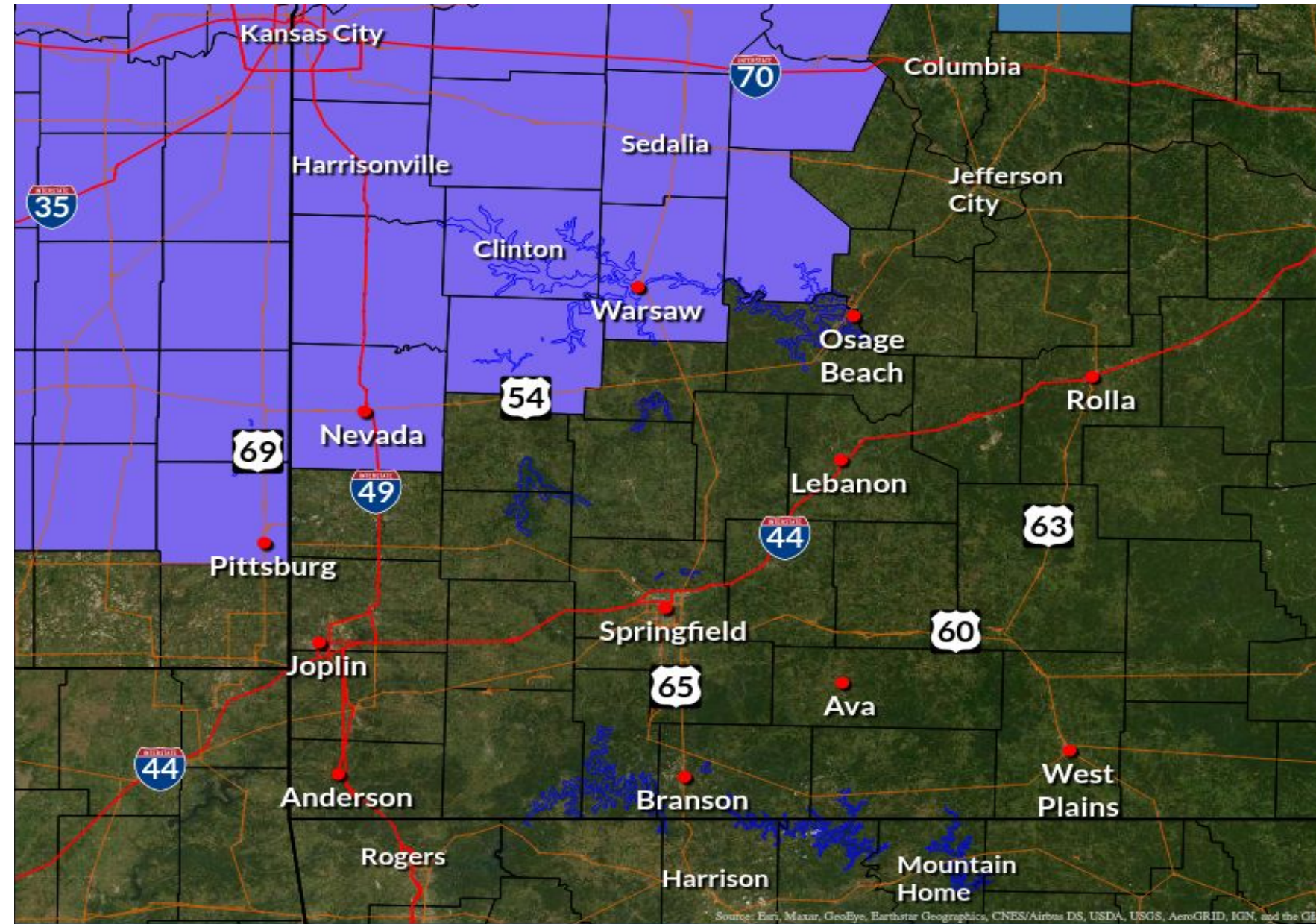
Highest Impacts on Tuesday

Key Messages

- A large storm system will bring moderate to heavy precipitation to the region, including both rain and snow, along with gusty winds.
- A Wind Advisory is in effect on Monday from 8 AM through 4 PM.
- A Winter Weather Advisory is in effect on Tuesday from 6 AM through 6 PM.
- Minor impacts are expected especially along and north of I-44. These may linger into Wednesday morning.

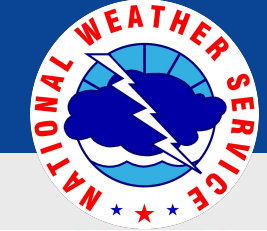
NEW Important Updates

- A northern storm track is favoring snow totals at 1-3" along and north of I-44, with 0-1" along and south of I-44.



Winter Weather Advisory - Valid 6 AM Through 6 PM Tuesday





Synopsis

January 8, 2024

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Hazards: Rain (potentially moderate to heavy) will move into southwest Missouri and southeast Kansas Monday morning. A transition to snow late Monday night into Tuesday is then favored. Additionally, brisk winds will pose a low to medium chance (30-50%) of blowing snow Tuesday.



Areas Impacted: The entire forecast area. The greatest probabilities (40-50%) for at least minor travel impacts are along and north of the I-44 corridor. Probabilities of moderate impacts are in the 5-10% range.



Timing & Duration: Monday morning through Tuesday night with impacts lasting into Wednesday morning.

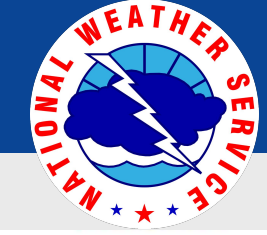


Impacts: The Winter Storm Severity Index (WSSI) highlights minor impacts along and north of the I-44 corridor for Tuesday into Wednesday morning. These impacts are largely driven by blowing snow and freezing temperatures.



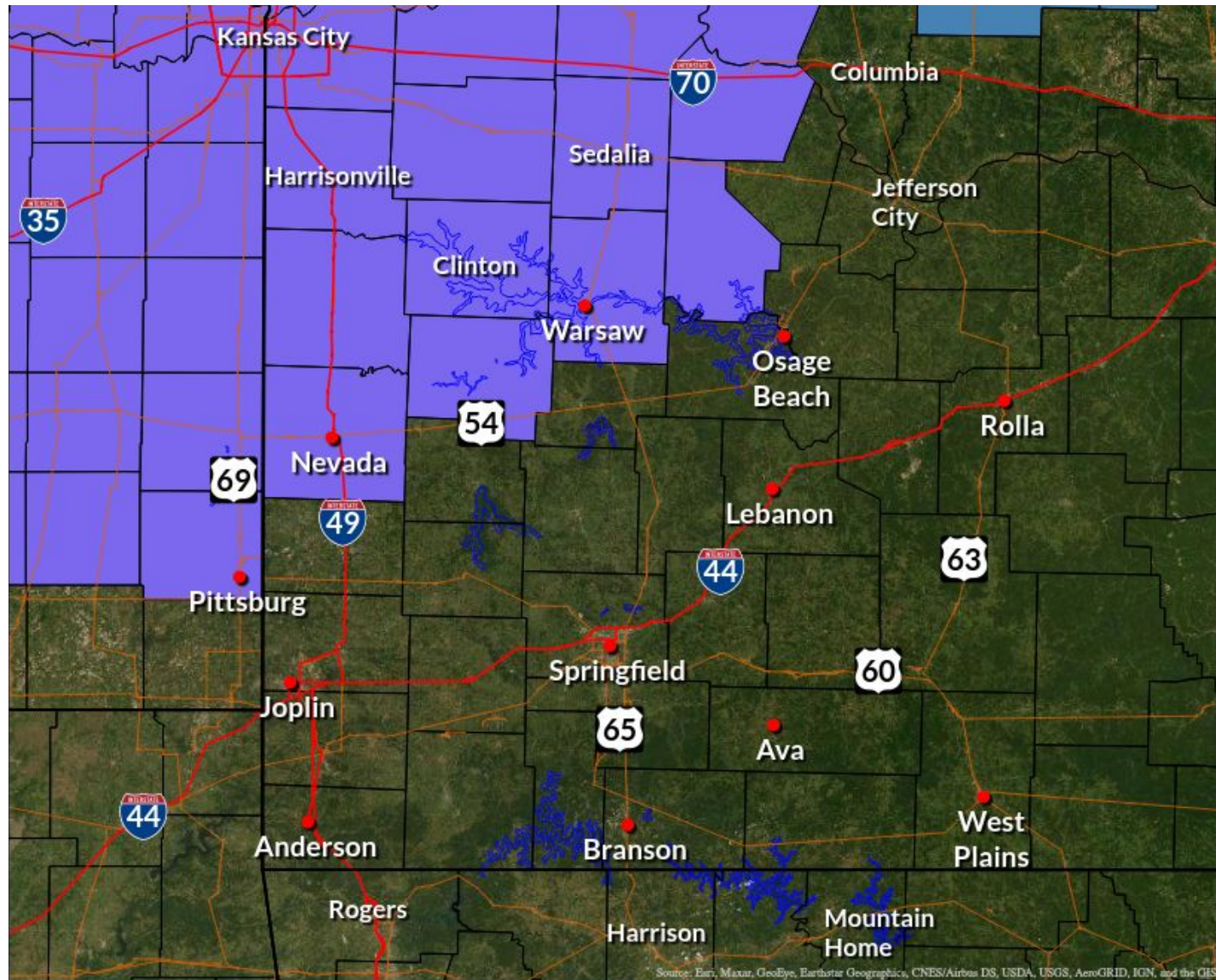
Certainty & Considerations: With a more northward system trajectory becoming most likely, confidence is increasing in lower snowfall amounts south of I-44 with totals up to 1-3" possible along and north of I-44.



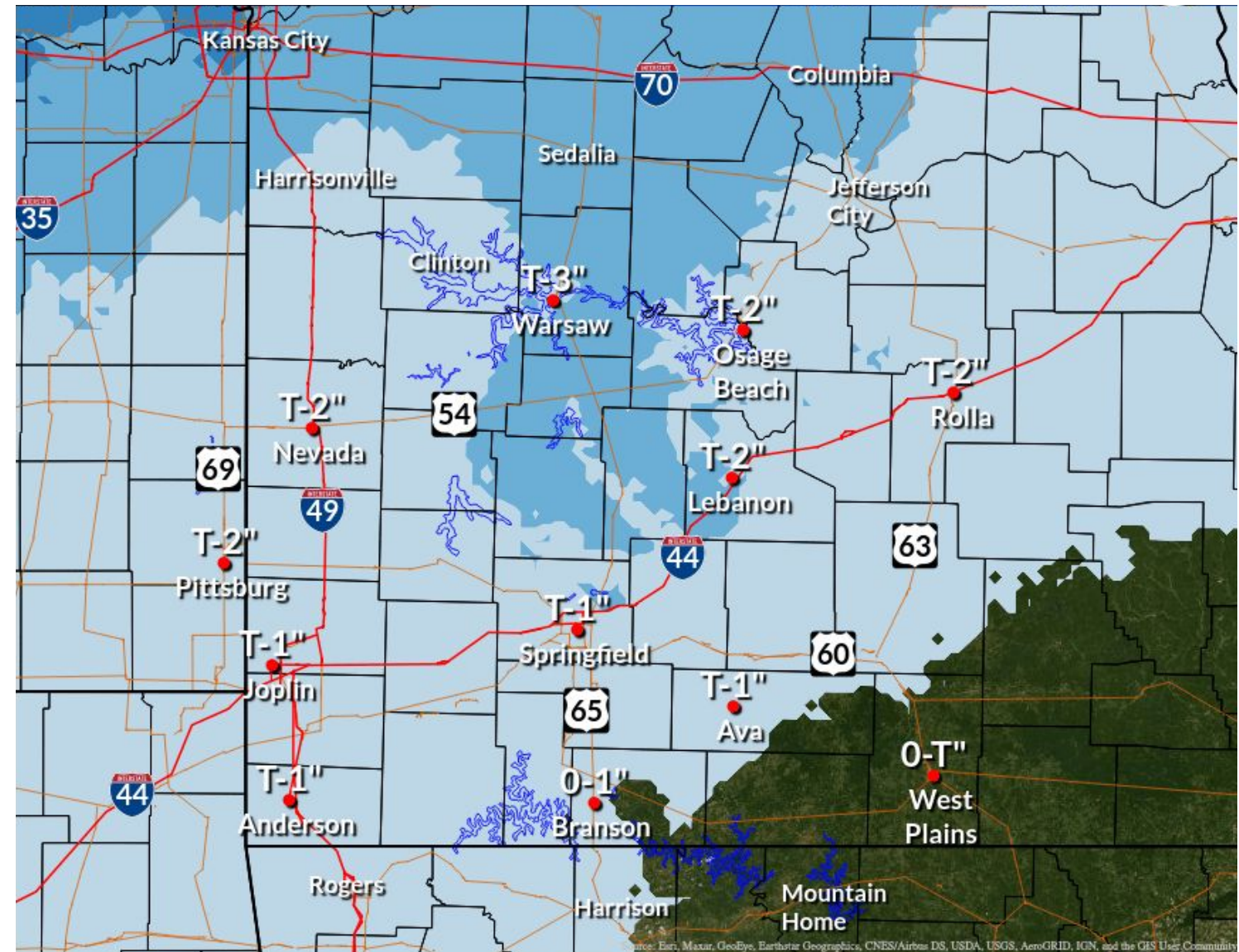


Winter Weather Advisory Tuesday

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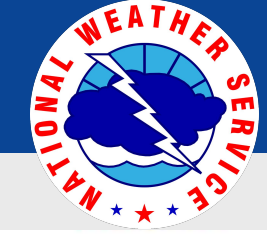


Winter Weather Advisory
Valid 6 AM through 6 PM Tuesday



Expected Snowfall Amounts
Monday through Wednesday





Estimated Precipitation Timeline

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	Mon, Jan 8 6am- 12pm	Mon, Jan 8 12pm - 6pm	Mon, Jan 8 6pm - 12am	Tue, Jan 9 12am - 6am	Tue, Jan 9 6am - 12pm	Tue, Jan 9 12pm - 6pm	Tue, Jan 9 6pm - 12am
Joplin	Green	Green	Light Green	Light Green	Red / Blue	Blue	Grey
Springfield	Grey / Green	Green	Light Green	Light Green	Red / Blue	Blue	Grey
Branson	Grey / Green	Green	Green / Light Green	Light Green	Red	Blue	Grey
West Plains	Grey	Green	Green / Light Green	Light Green	Red	Red / Blue	Blue / Grey
Rolla	Grey	Green / Red	Red	Light Green	Red	Red / Blue	Blue / Grey

Precip Type

Drizzle

Rain

Rain/Snow

Snow

Dry





Weather Outlook - Matrix

January 8, 2024

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Highest Impacts Likely Monday through Tuesday

	Monday, Jan 8	Tuesday, Jan 9	Wednesday, Jan 10
Springfield	Little to None	Minor	Minor
Joplin	Little to None	Minor	Minor
Rolla	Little to None	Minor	Minor
West Plains	Little to None	Little to None	Little to None
Branson	Little to None	Minor	Little to None

This outlook depicts timing and magnitude of potential impacts to local travel and infrastructure from snowfall rates and/or amounts, blowing snow, ice, and cold temperatures.

Potential aggravating factors such as time of day, pre-existing conditions, and holiday travel periods are also taken into consideration.

Risk Levels

Little to None

Minor

Moderate

Major

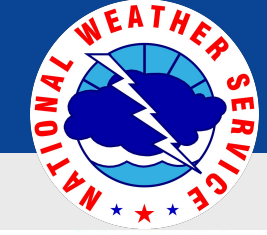
Extreme



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Winter Storm Impacts Tuesday

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Blowing Snow & Freezing Temperatures



Key Message

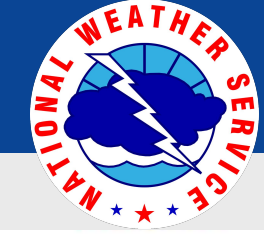
A large storm system will bring rain and snow to the area Monday through Tuesday. The most impactful weather is expected north of I-44 with potential for minor impacts (yellow). Impacts are mainly due to **blowing snow** and **freezing temperatures**, with lower potential for impacts due to snowfall amounts.

Winter Storm Severity Index Tuesday



Potential Winter Storm Impacts	
	<p>Winter Weather Area Expect Winter Weather.</p> <ul style="list-style-type: none"> • Winter driving conditions. Drive carefully.
	<p>Minor Impacts Expect a few inconveniences to daily life.</p> <ul style="list-style-type: none"> • Winter driving conditions. Use caution while driving.
	<p>Moderate Impacts Expect disruptions to daily life.</p> <ul style="list-style-type: none"> • Hazardous driving conditions. Use extra caution while driving. • Closures and disruptions to infrastructure may occur.

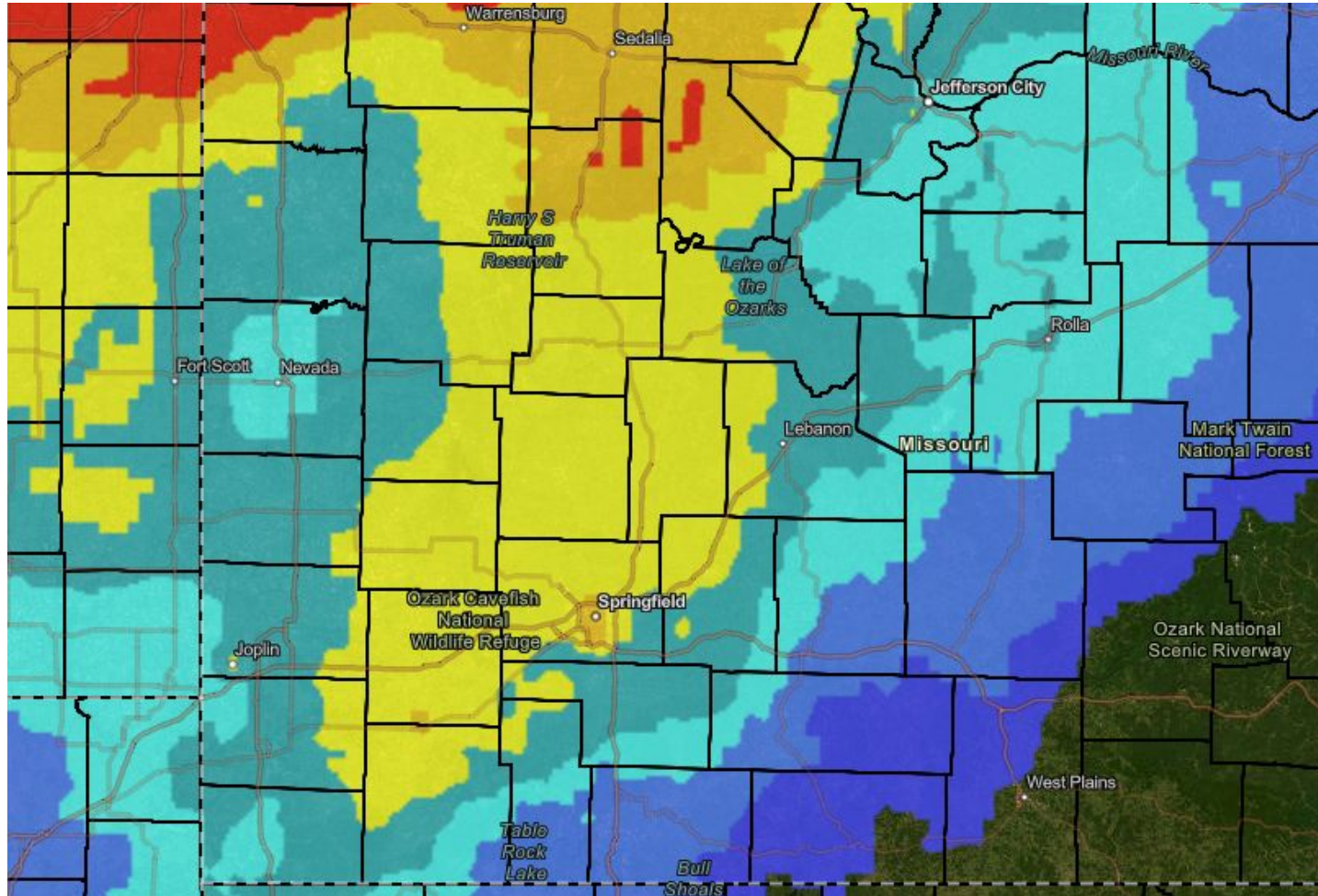




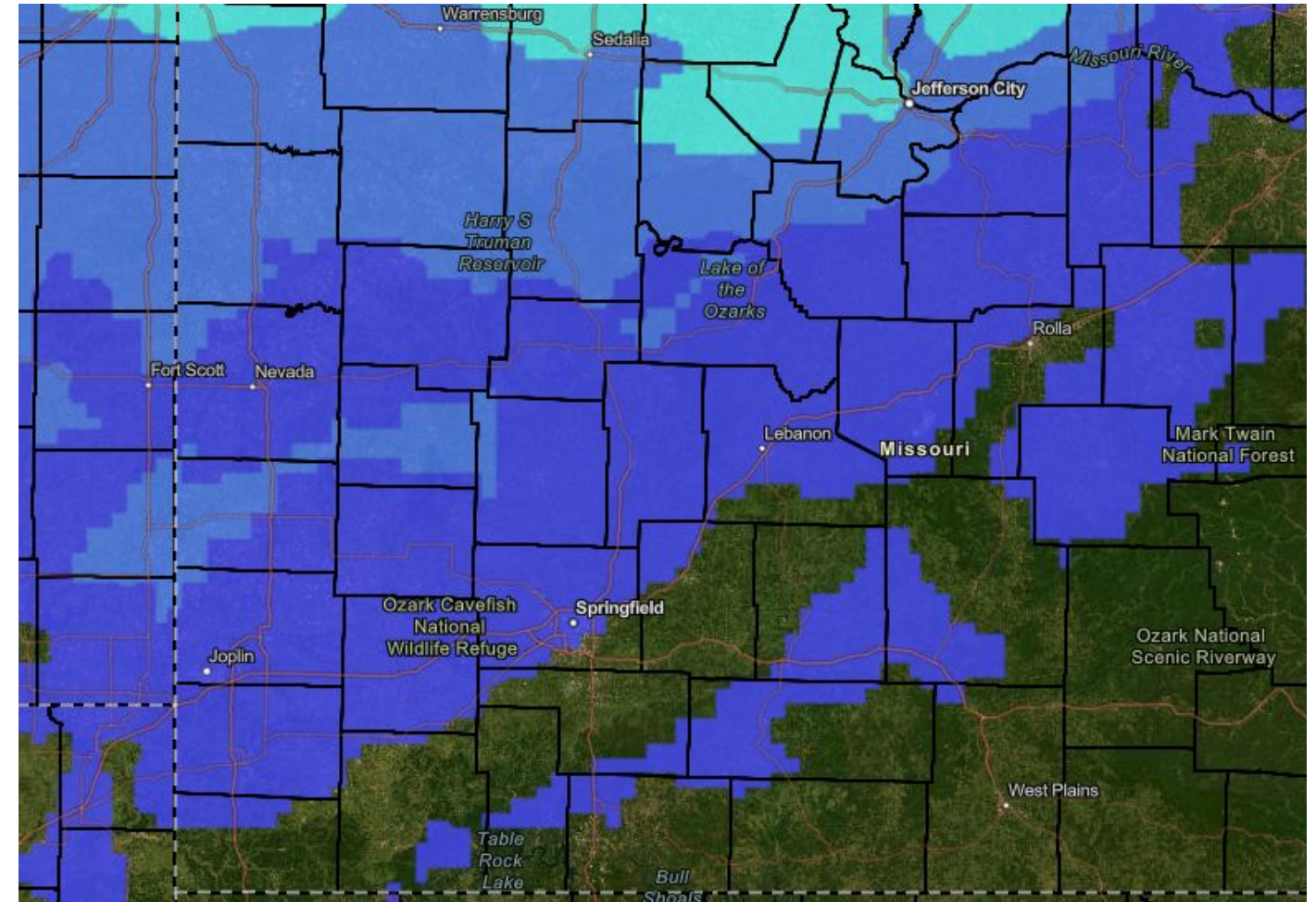
Probabilities of Winter Weather Impacts

January 8, 2024
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Tuesday into Tuesday Night



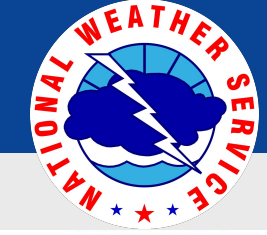
Minor Impacts



Moderate Impacts

Likelihood of Impact



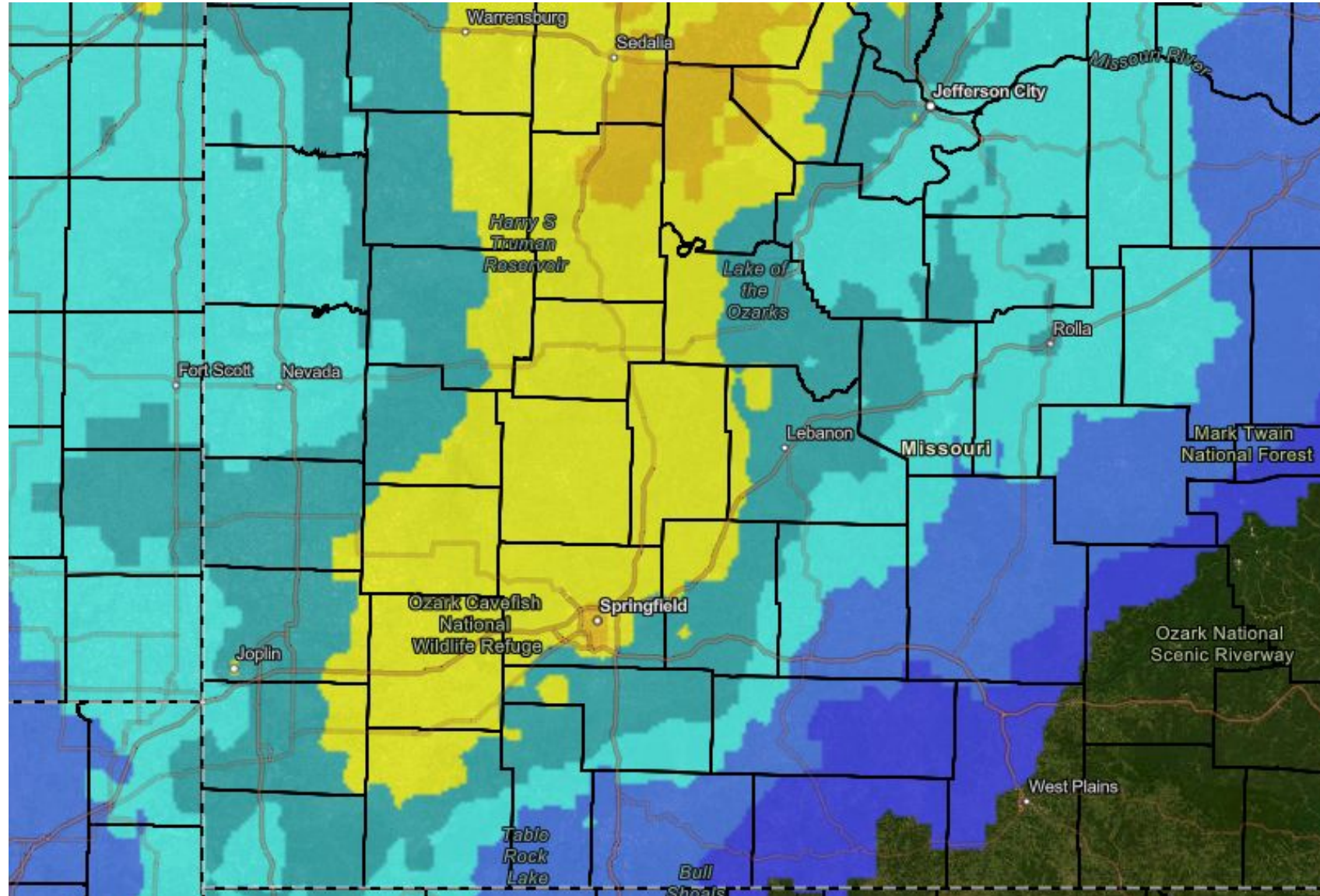


Probabilities of Winter Weather Impacts

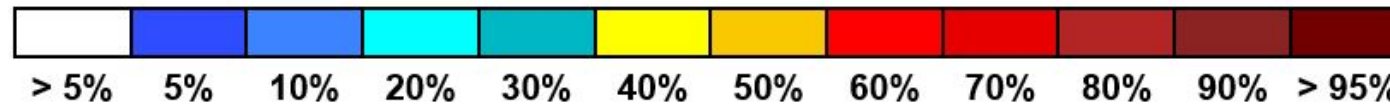
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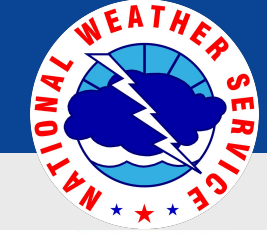
Wednesday morning

Minor Impacts



Likelihood of Impact





Probabilistic Snowfall

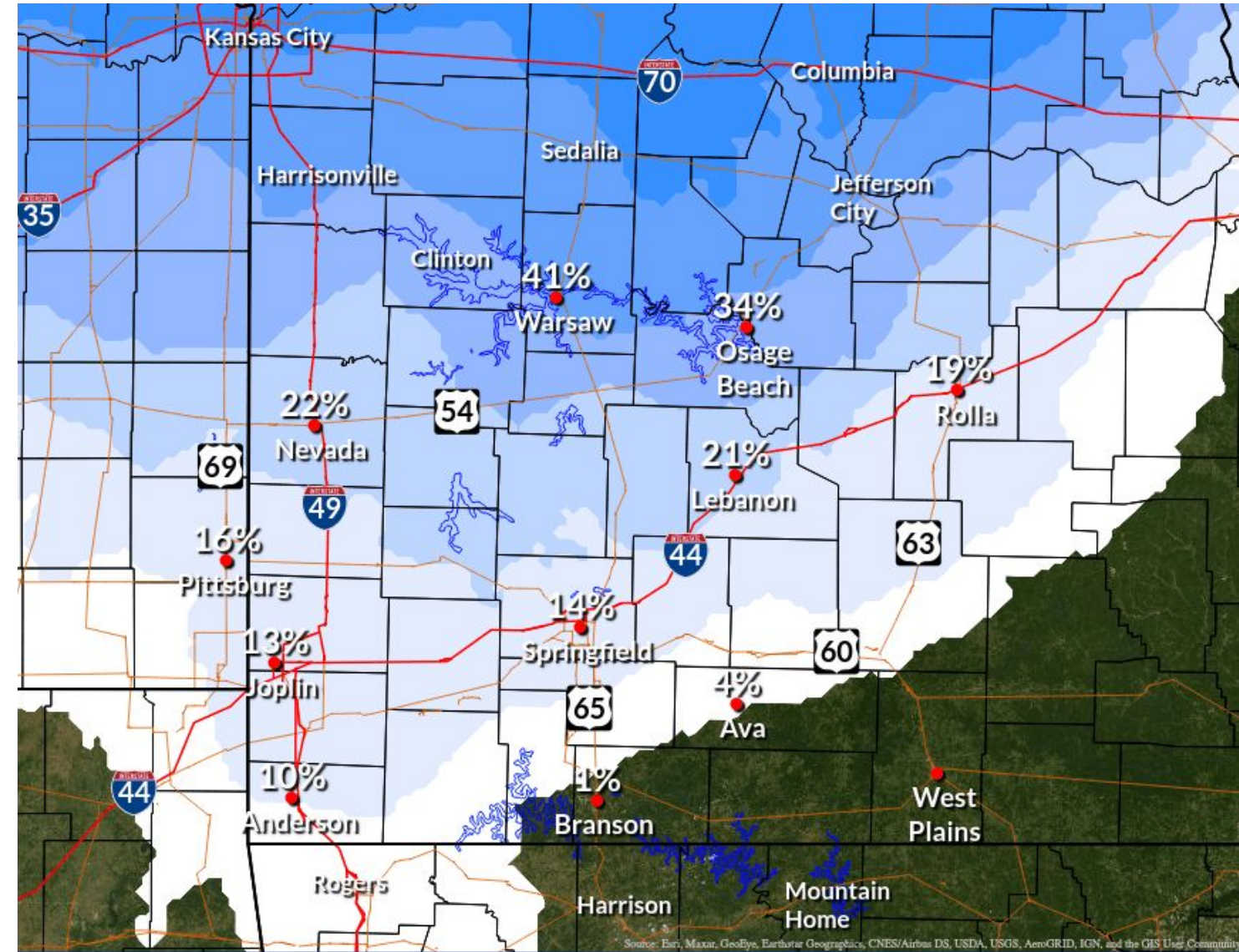
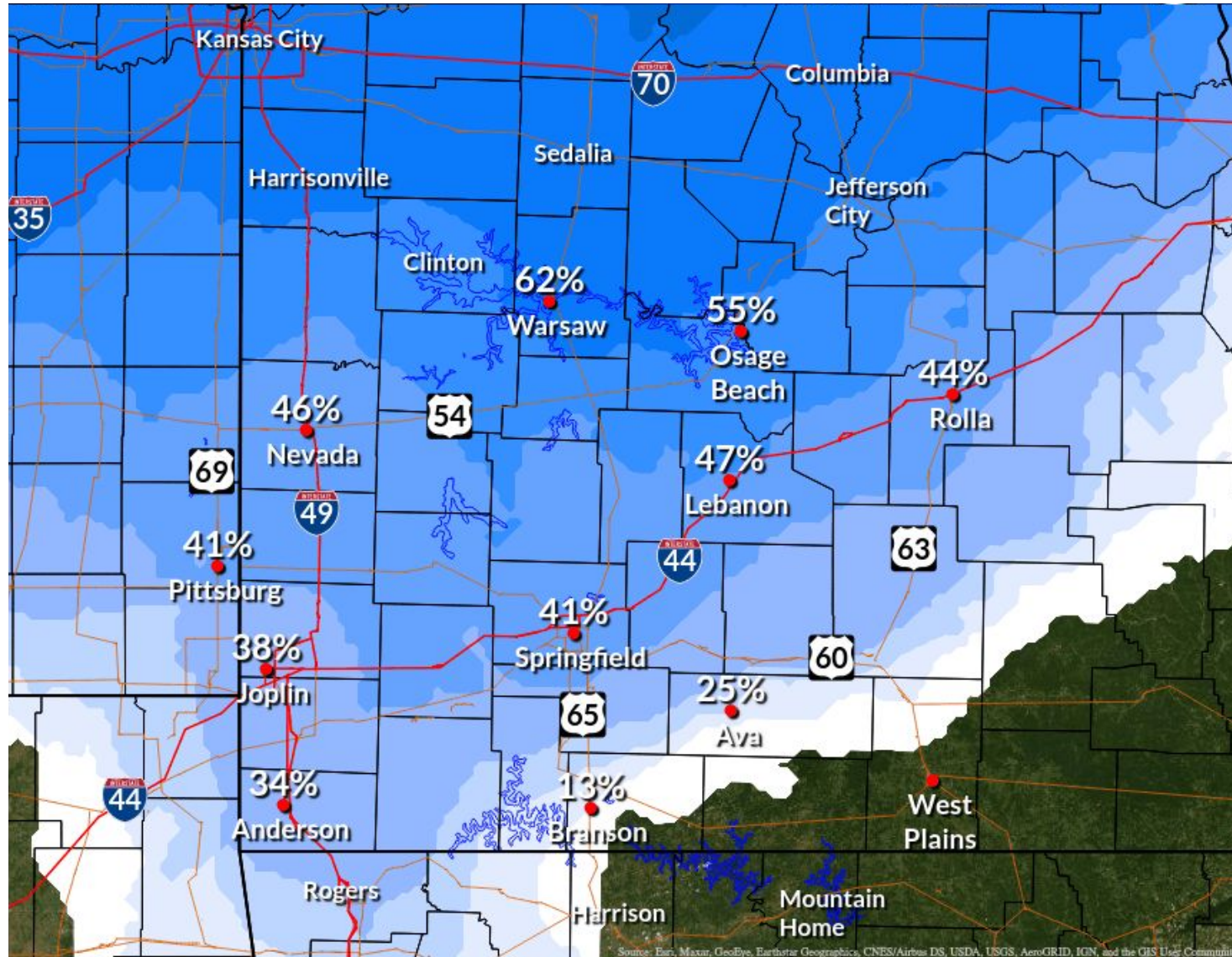
January 8, 2024

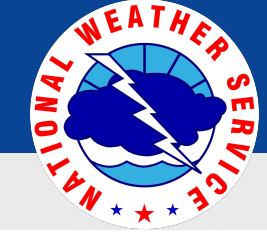
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Monday through Wednesday Morning

Probability of > 1" of snowfall

Probability of > 2" of snowfall





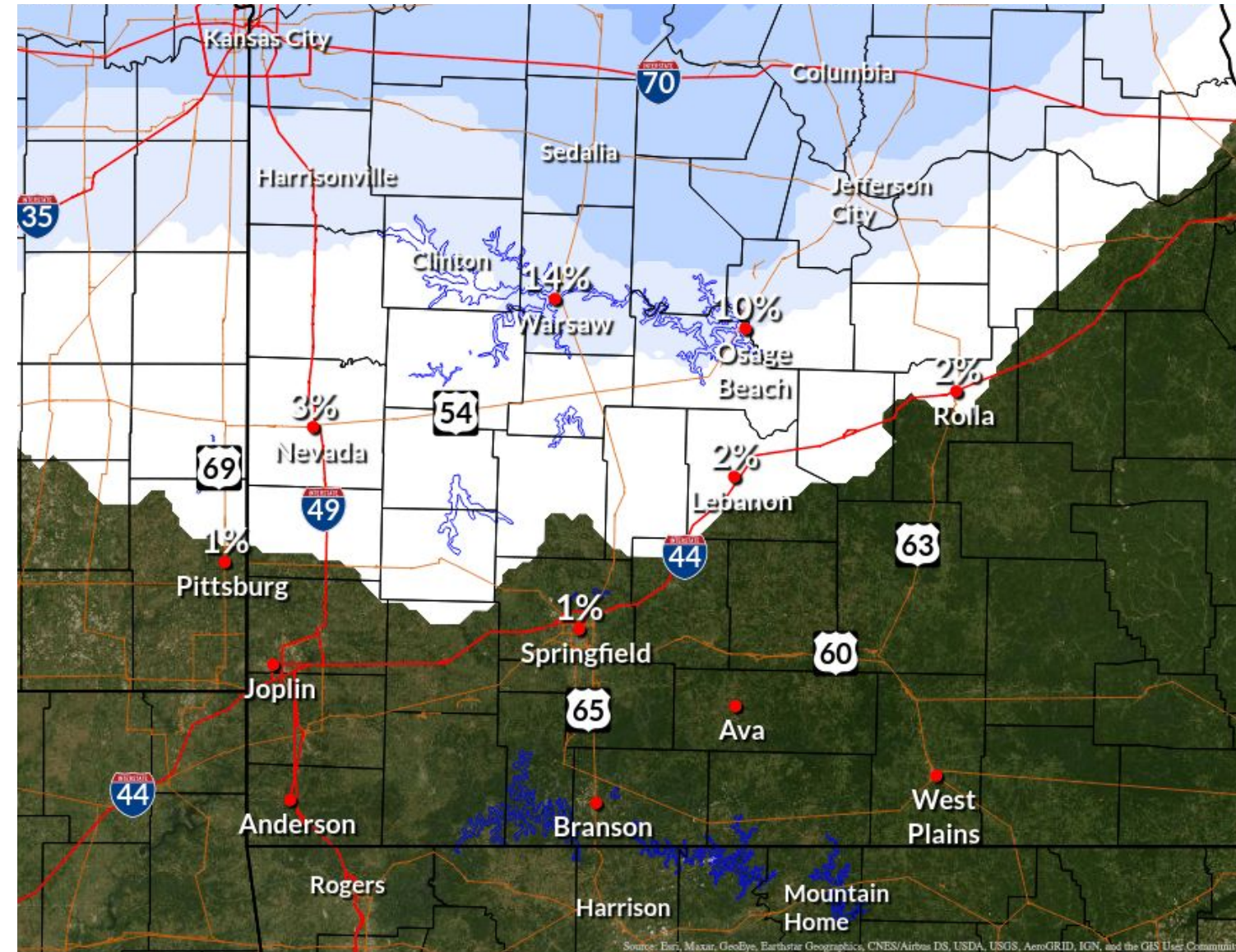
Probabilistic Snowfall

January 8, 2024

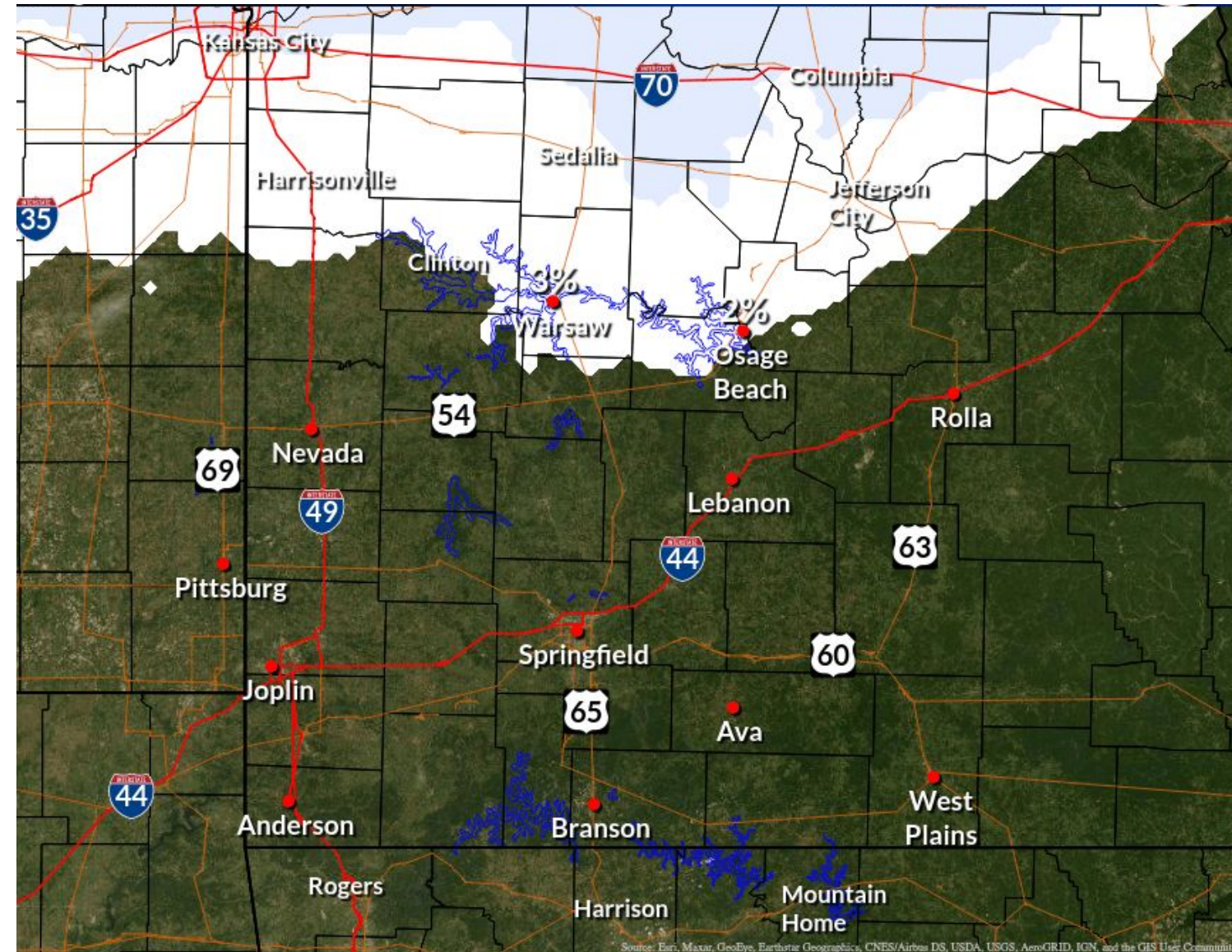
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Monday through Wednesday Morning

Probability of > 4" of snowfall



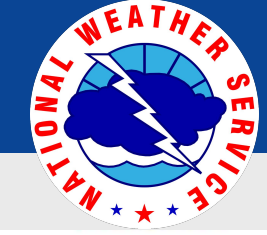
Probability of > 6" of snowfall



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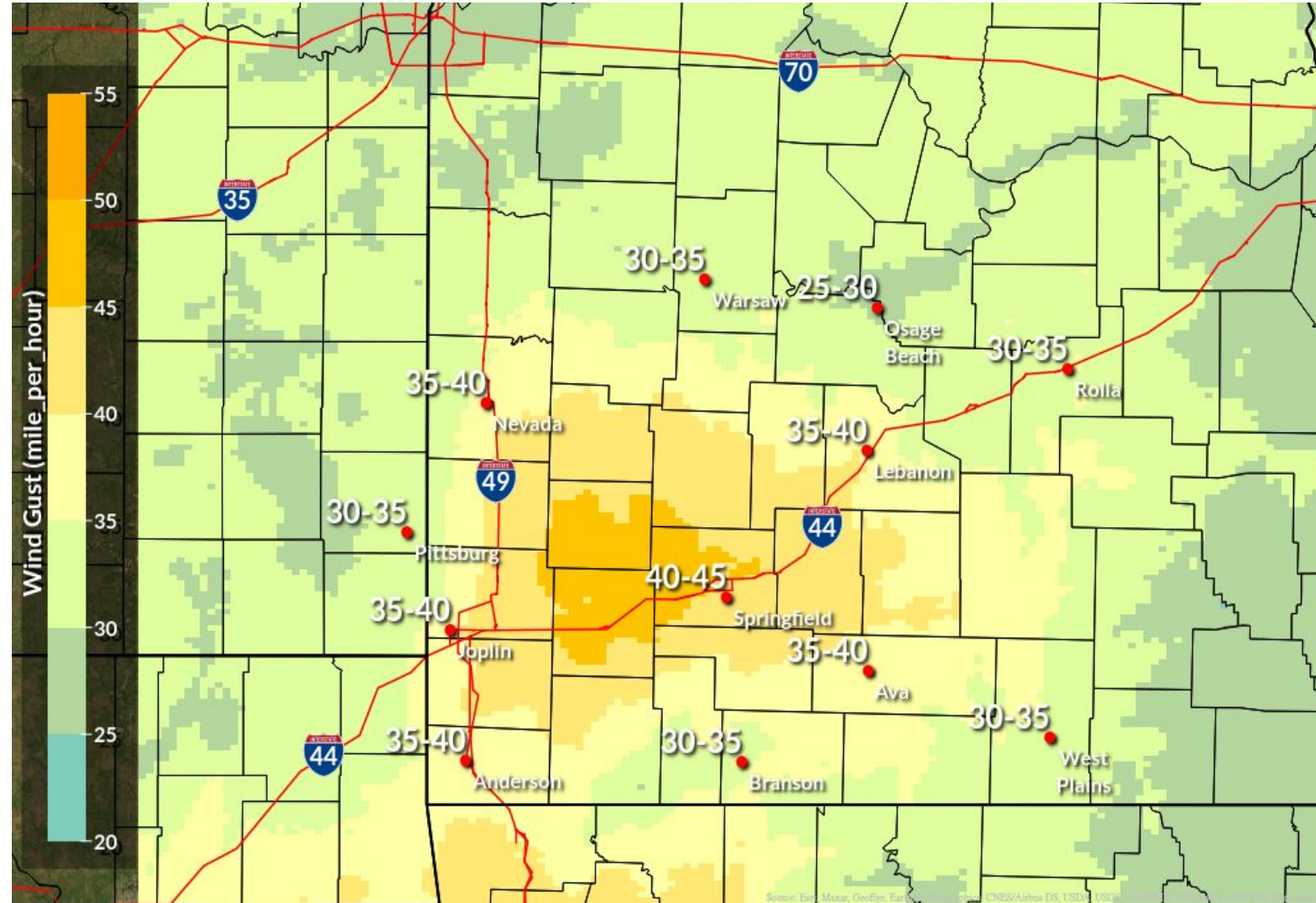
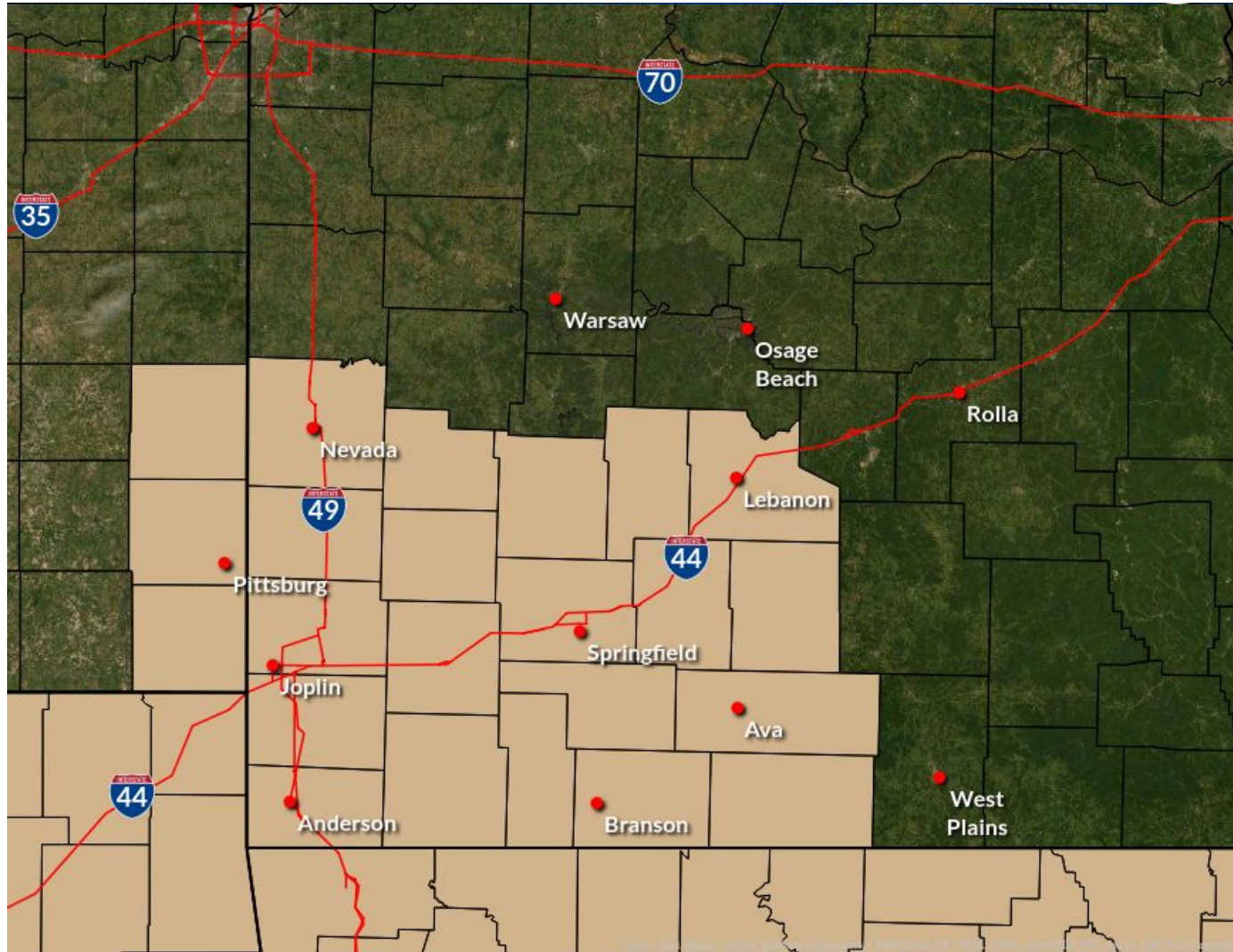
National Weather Service
Springfield, MO



Wind Advisory Monday

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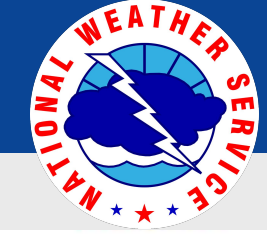
Valid 8 AM Through 4 PM Monday



Wind Advisory Monday

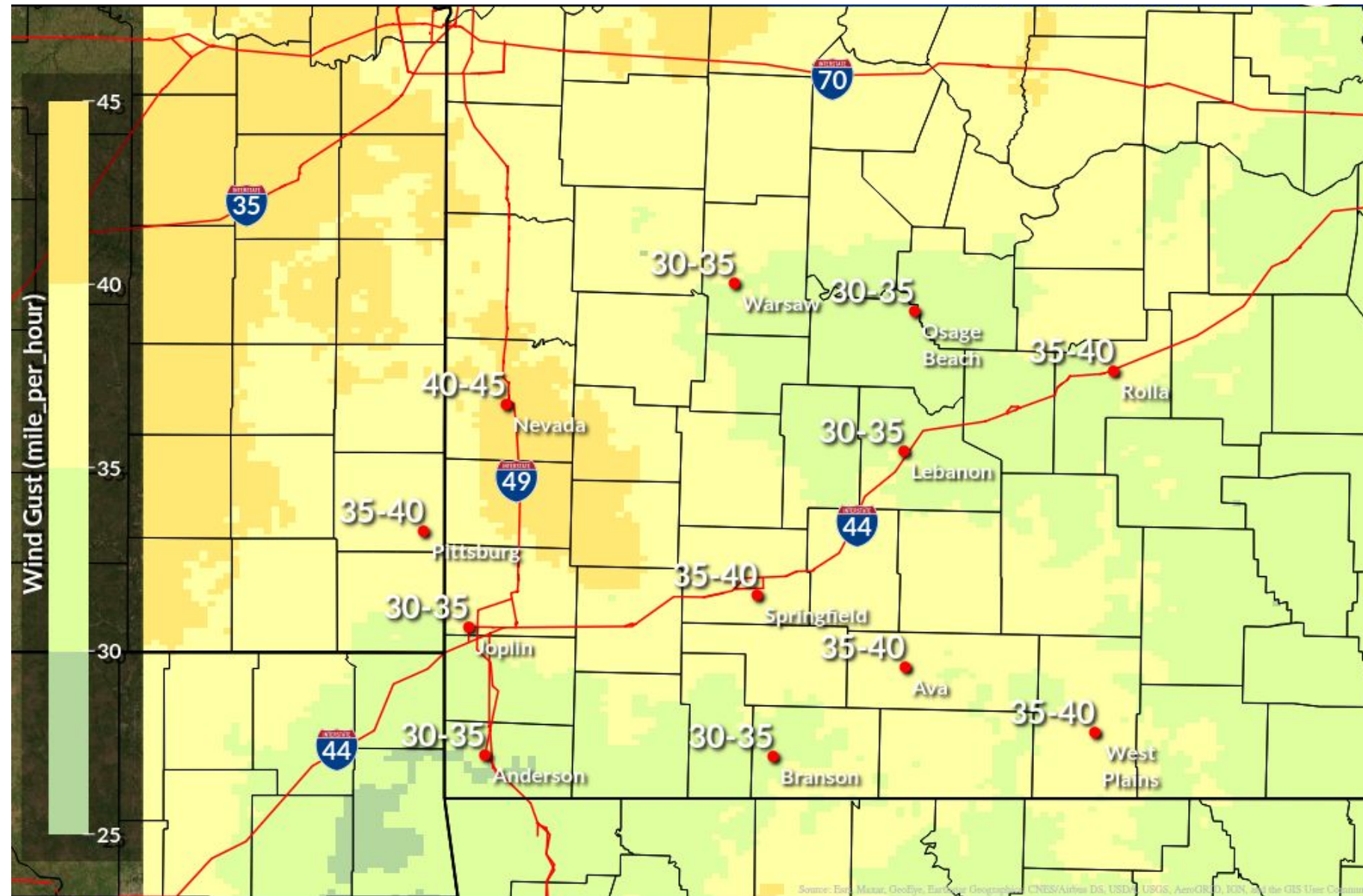
Southeast Gusts





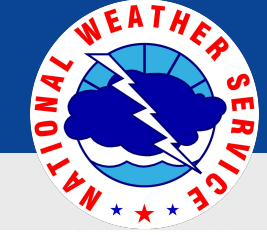
Forecast Wind Gusts Tuesday

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Northwest Gusts





Confidence Levels

January 8, 2024

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Monday and Tuesday

Location



Low

Medium

High

Timing



Low

Medium

High

Amounts



Low

Medium

High

Travel Impacts



Low

Medium

High

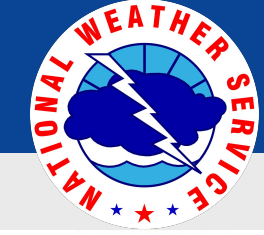
Confidence Details

- Confidence is highest in timing of this system, with rain moving into the area Monday morning before transitioning to a rain/snow mix or snow Monday night into Tuesday.
- Confidence in the track of this system has increased, with a more northern trajectory looking most likely.
- Confidence in rainfall and snow amounts is slowly increasing, but still moderate.

Alternate Scenarios

- There is still a chance of a slightly southward track which would put snowfall amounts toward the higher end of the range.





NWS Springfield Information



weather.gov/springfield



Call 417-863-8028
Text 417-830-7659



contact.sgf@noaa.gov



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BUILDING AN EMERGENCY SUPPLY KIT FOR YOUR CAR

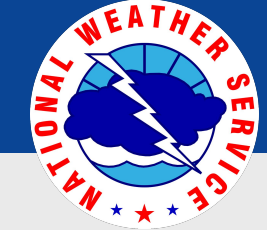
WHY?
Because you never know when you will encounter winter weather or an emergency road closure

AMERICA'S *PrepareAthon!*
BE READY. TAKE THAT MESSAGE.

- Cell Phone Charger
- First Aid Kit
- Jumper Cables
- Spare Tire
- Flares
- Water, Snacks
- Mittens, Hat, Boots Warm Clothes
- Flashlight
- Snow Shovel and Brush
- Blankets
- Tow Rope
- Full Tank of Gas
- Sand or Kitty Litter

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Cooler Temperatures Ahead

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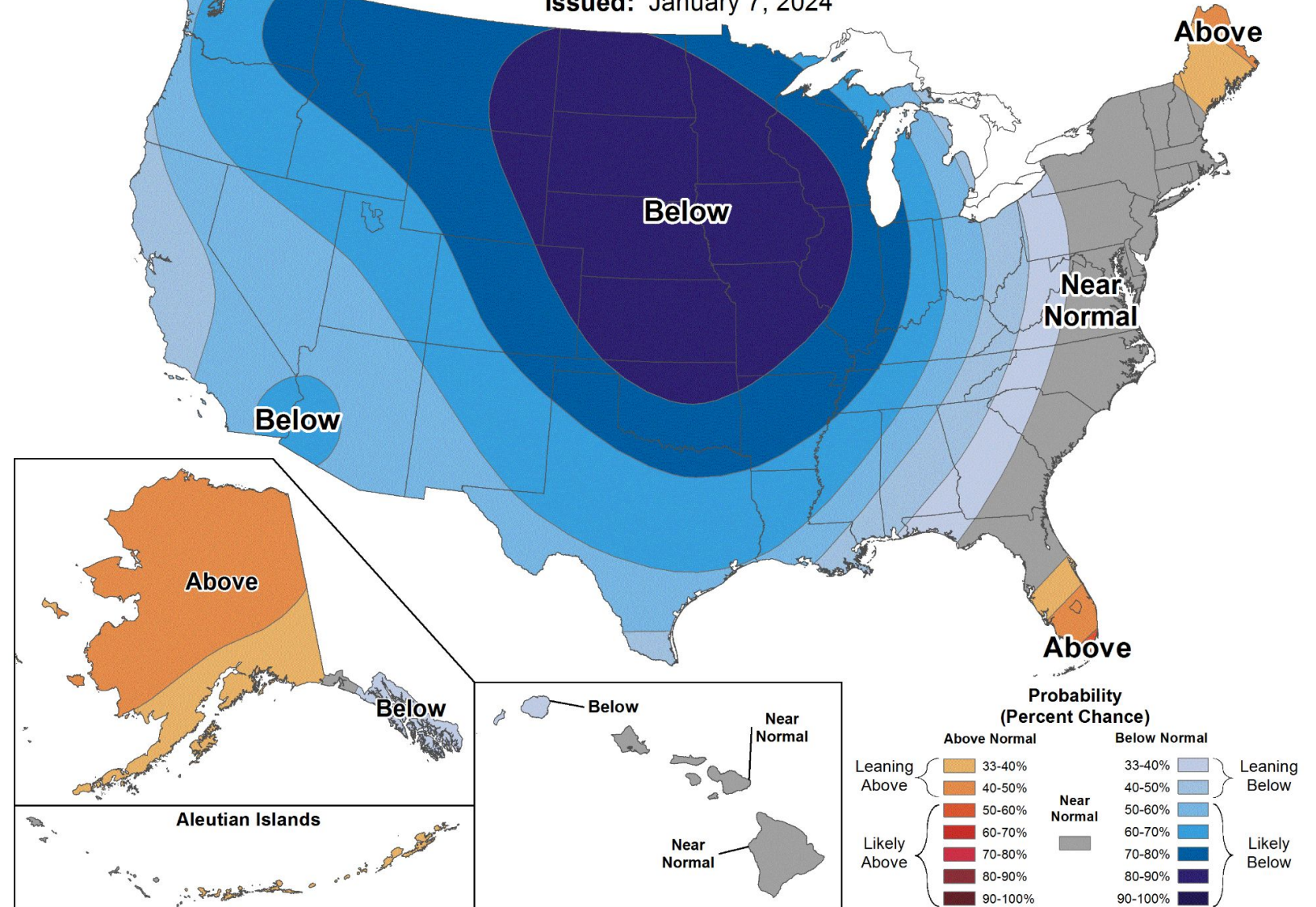
- Much colder air arrives following the system Monday and Tuesday.
- 70-90% chance for below normal temperatures Jan. 13-17.
- Stay tuned to future forecasts for temperatures, wind chills, and potential impacts.

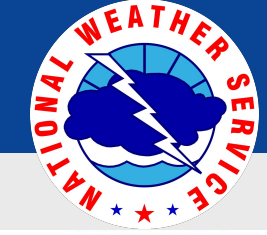


6-10 Day Temperature Outlook



Valid: January 13 - 17, 2024
Issued: January 7, 2024





Summary

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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](#)

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Potential Winter Storm Impacts

Minor Impacts

Expect a few inconveniences to daily life.

- Winter driving conditions. **Use caution while driving.**

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.

Extreme Impacts

Expect substantial disruptions to daily life.

- Extremely dangerous or impossible driving conditions. **Travel is not advised.**
- Extensive and widespread closures and disruptions to infrastructure may occur.
- Life-saving actions may be needed.

