

Winter Weather Today through Tuesday

January 5, 2024
5:24 AM

Highest Impacts Monday and Tuesday

Key Messages

- Two rounds of winter precipitation will move through the region this morning through Tuesday.
- Today into Saturday: Precipitation will be a light mix of rain, snow, and drizzle. Little to no impacts are expected.
- Monday & Tuesday: A large storm system will bring moderate to heavy precipitation to the region, including both rain and snow, along with gusty winds.

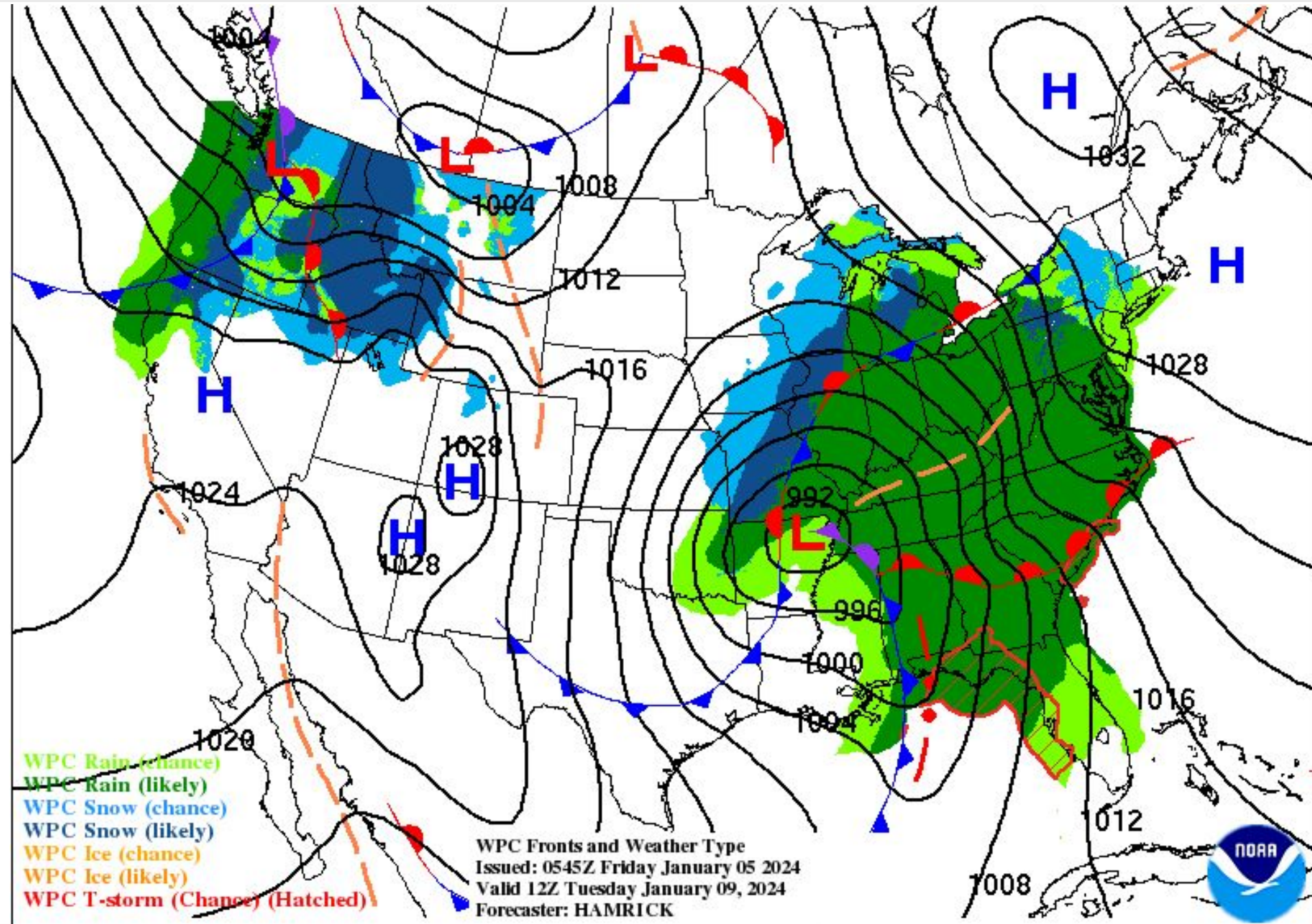
NEW

Important Updates

- There is low potential (5-15% chance) for freezing drizzle in the eastern Ozarks Friday evening/night

Next Scheduled Briefing

- This afternoon by 4 PM





Weather Outlook - Matrix

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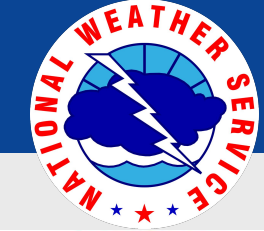
Highest Impacts Likely Monday through Tuesday

	Saturday, Jan 6	Sunday, Jan 7	Monday, Jan 8	Tuesday, Jan 9
Springfield	Little to None	Little to None	Minor	Minor
Joplin	Little to None	Little to None	Minor	Minor
Rolla	Little to None	Little to None	Minor	Moderate
West Plains	Little to None	Little to None	Minor	Minor
Branson	Little to None	Little to None	Minor	Minor

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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Friday and Saturday

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Light Rain and Snow Mix



Hazards: Medium to high probabilities (30-70%) of a dusting of snow exist. Low potential for freezing drizzle (5-15% chance)



Areas Impacted: A few periods of light snow, rain, and drizzle from early Friday morning through Saturday night. Greatest chance of a dusting is south of I-44, greatest chance for drizzle is SE of the Ozark Plateau



Timing & Duration: Friday morning through Saturday night.



Impacts: Only a dusting of snow will occur along and west of I-49, with minimal impacts expected. Minor impacts could arise from freezing drizzle if it materializes.



Certainty & Considerations: Medium Confidence





Precipitation Timing Today

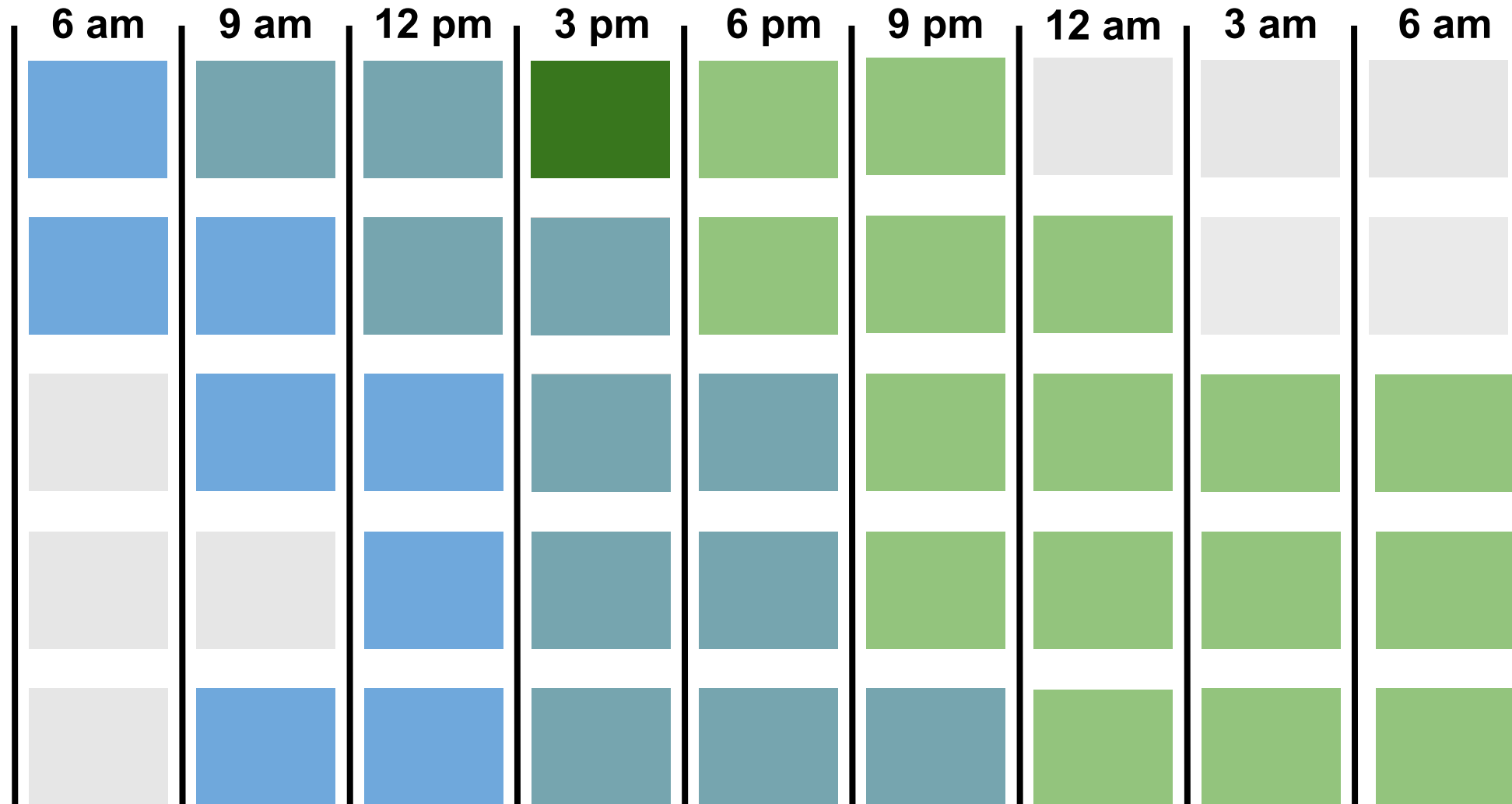
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Drizzle possible when the rain/snow mix ends at your location

*****Little to no accumulation/impacts are expected at this time*****

Friday

Friday Night

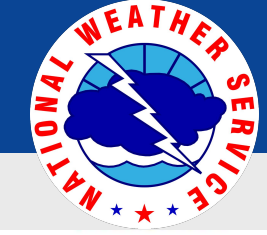


Precipitation Type



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

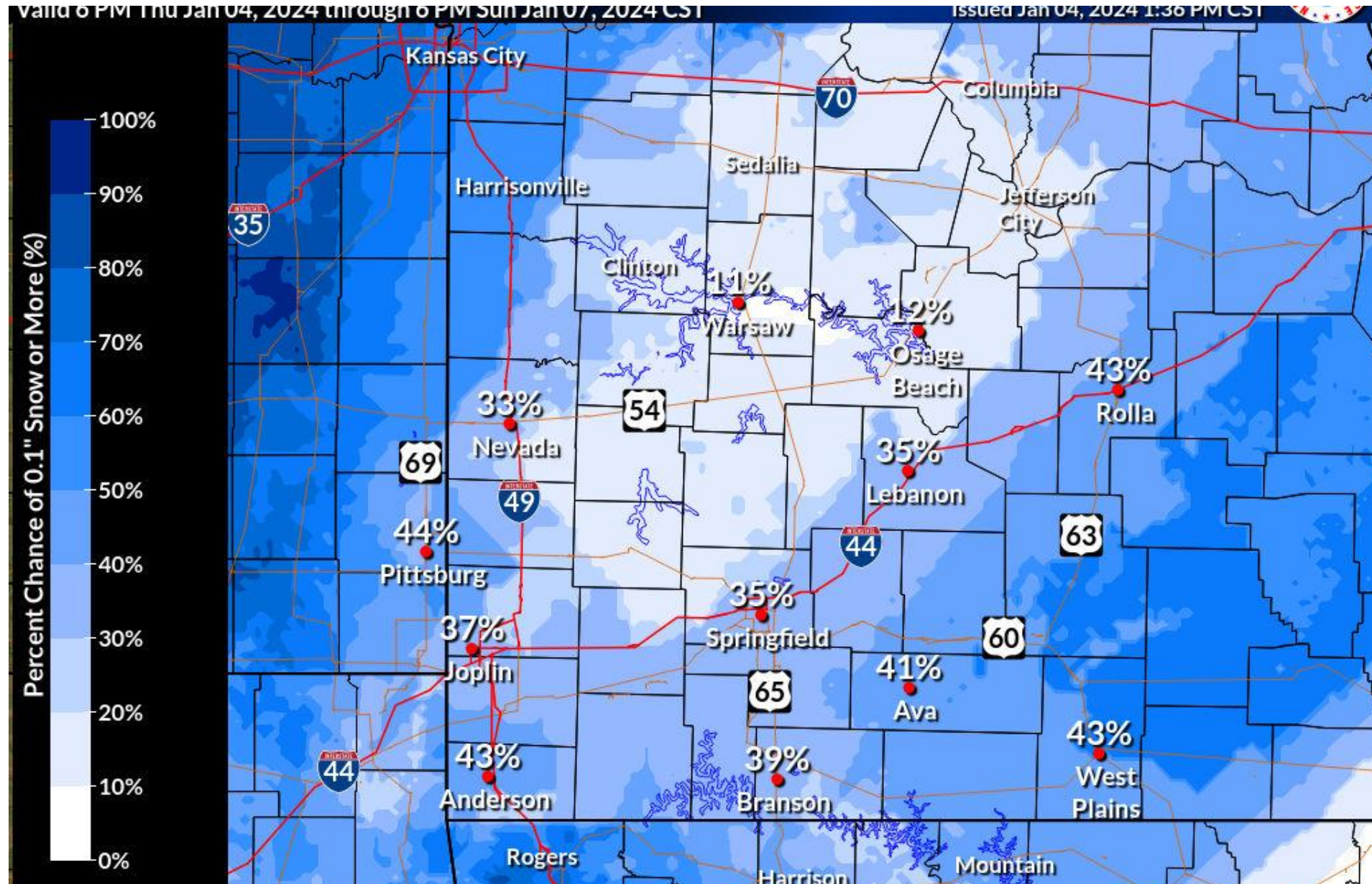
National Weather Service
Springfield, MO



Probabilistic Snowfall

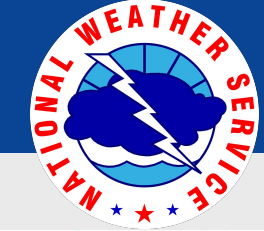
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Friday through Saturday Night



Probability of > 0.1" of snowfall





Monday and Tuesday

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More Impactful than Friday/Saturday Systems



Hazards: Rain (potentially moderate to heavy) will move into southwest Missouri and southeast Kansas Monday morning. A transition to snow Monday night into Tuesday is then favored. Additionally, brisk winds will pose a low chance (20-30%) of blowing snow.



Areas Impacted: The entire forecast area. The greatest probabilities (40-60%) for at least minor travel impacts are along and north of the I-44 corridor. Probabilities of moderate impacts are in the 20-30% range.



Timing & Duration: Monday morning through Tuesday afternoon.

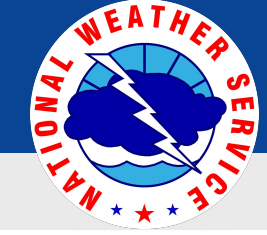


Impacts: The Probabilistic Winter Storm Severity Index (P-WSSI) highlights a 40-60% chance of at least minor travel impacts and a 20-30% chance of moderate impacts.



Certainty & Considerations: It is too early for specific rain and/or snowfall totals, though the potential for higher-end impacts will continue to be monitored.

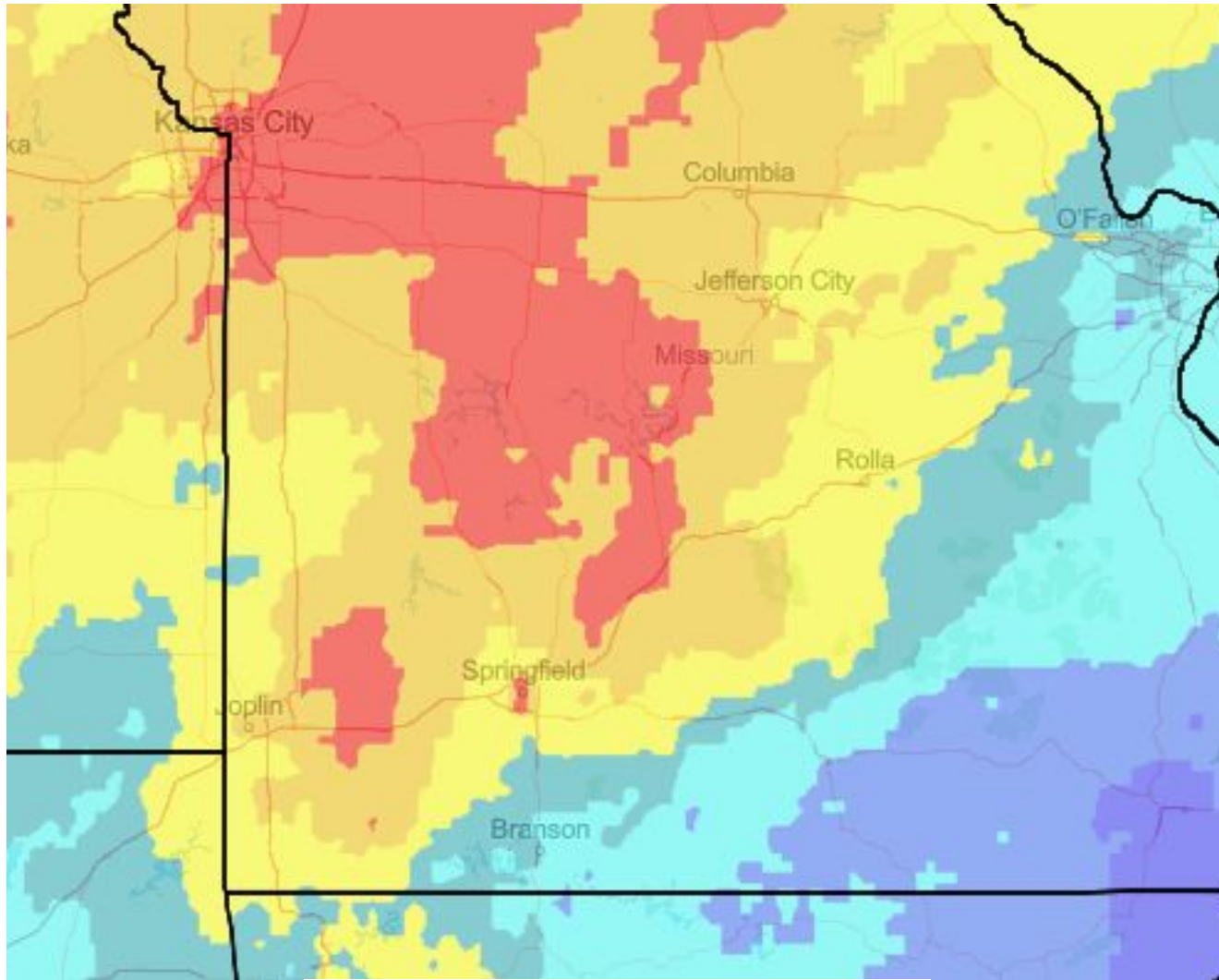




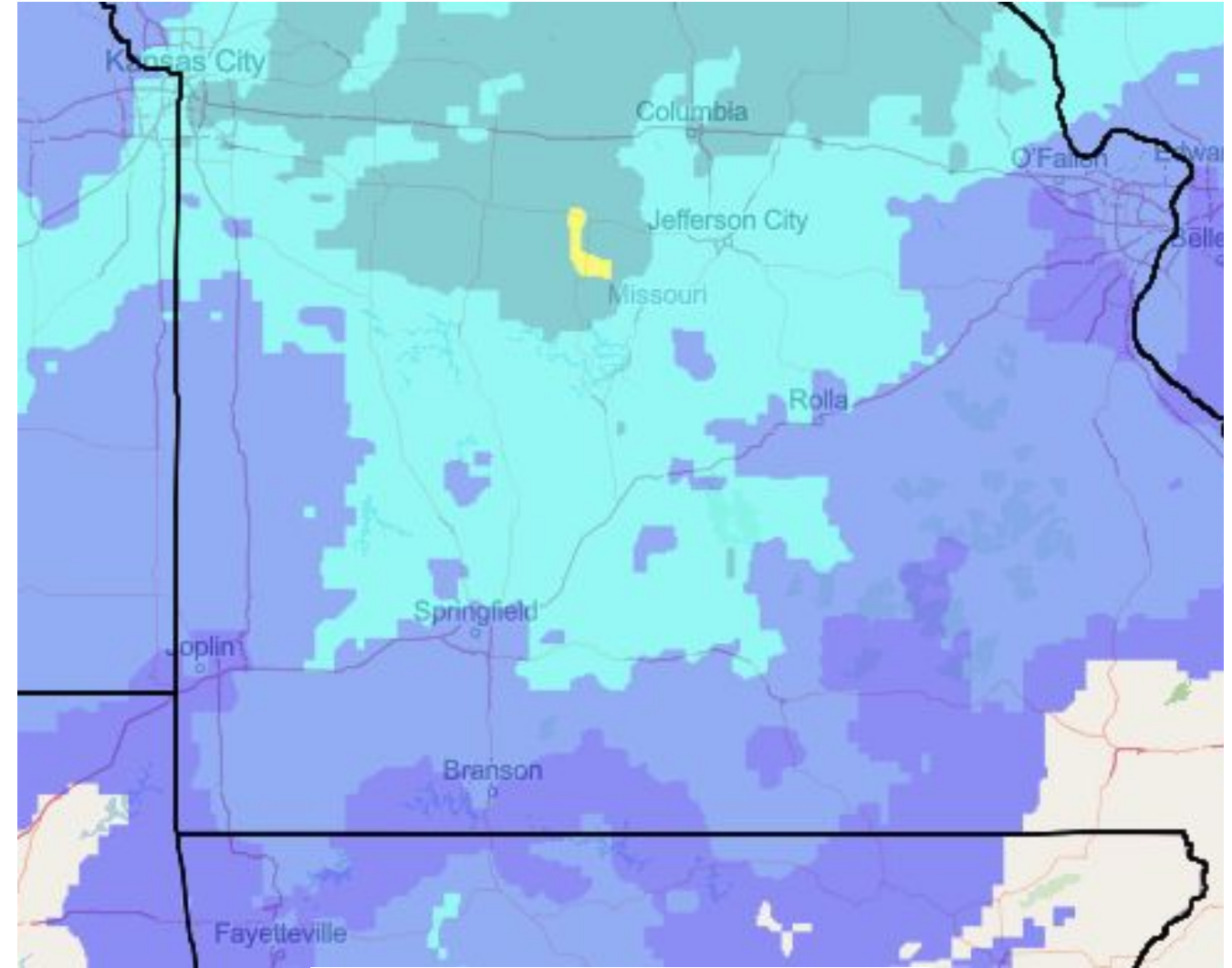
Probabilities of Winter-Weather Impacts

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Tuesday



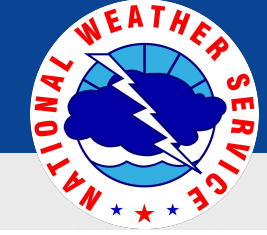
Minor Impacts



Moderate Impacts

Likelihood of Impact





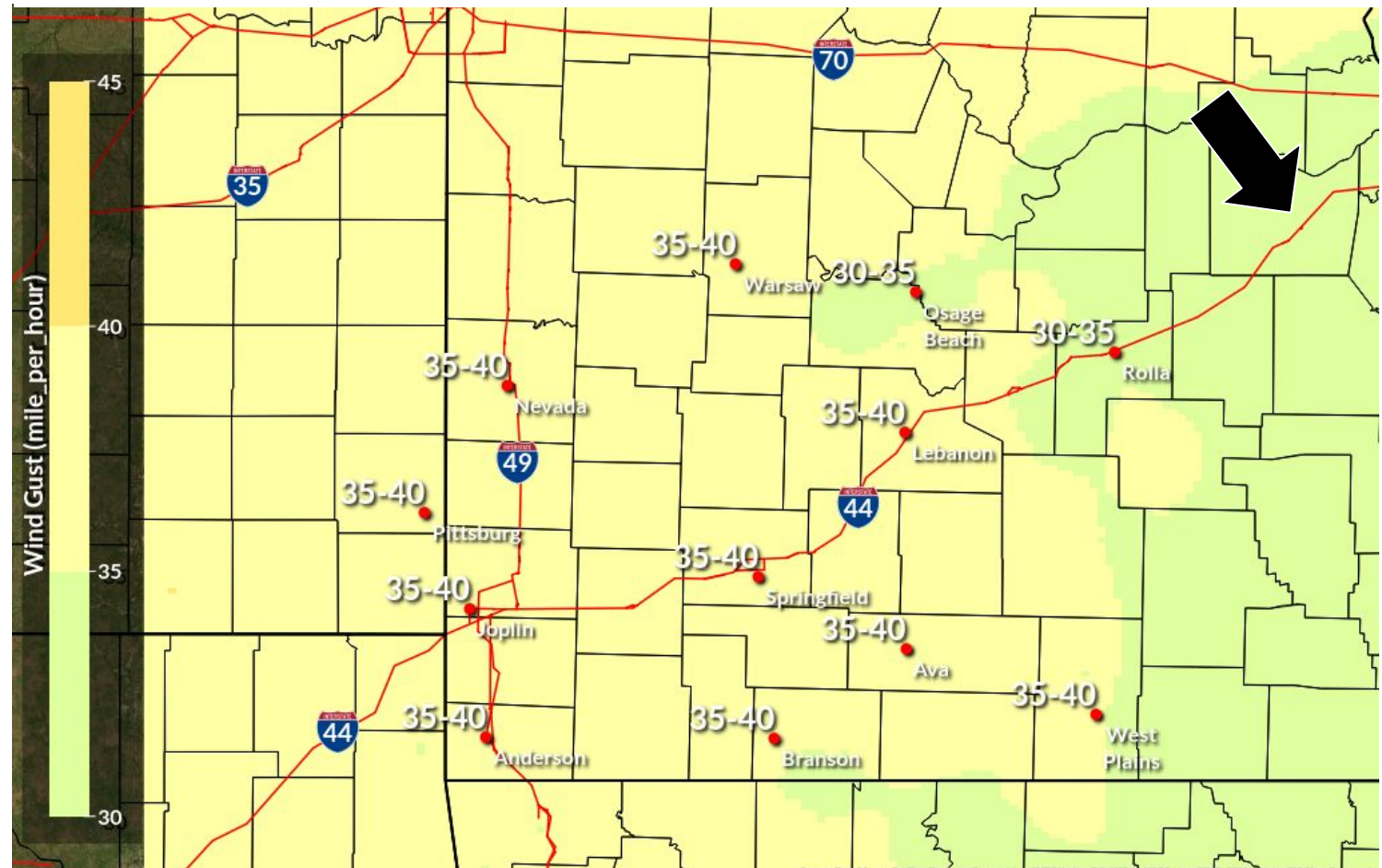
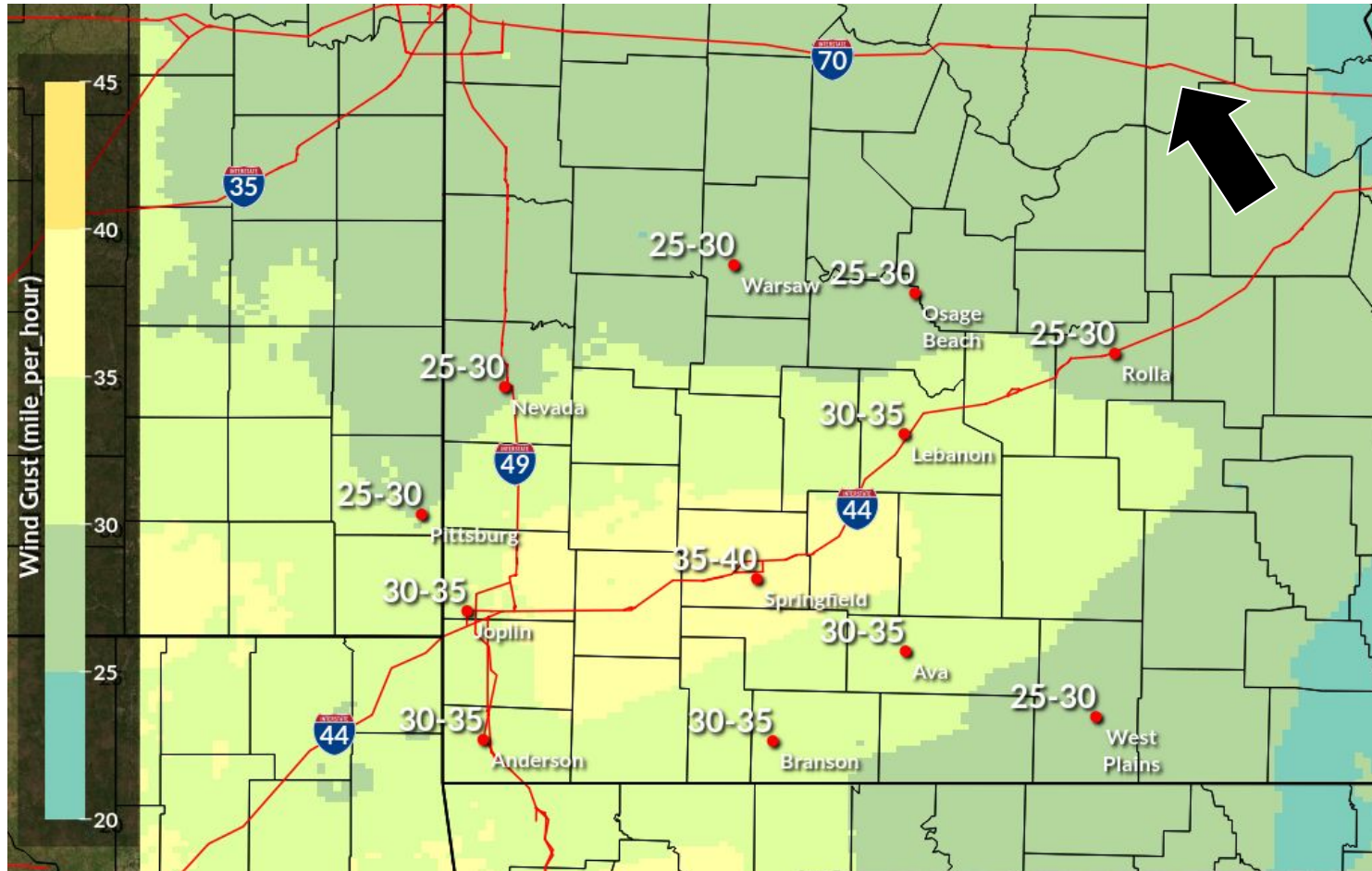
Forecast Wind Gusts

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Wind Gusts for Monday and Tuesday

Southeasterly Gusts

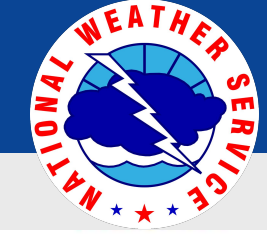
Northwesterly Gusts



Monday

Tuesday





Confidence Levels

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Monday and Tuesday

Location



Low

Medium

High

Timing



Low

Medium

High

Amounts



Low

Medium

High

Travel Impacts



Low

Medium

High

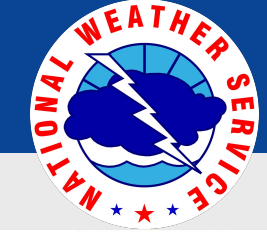
Confidence Details

- Confidence is highest in timing of this system, with rain moving into the area Monday morning before transitioning to a rain and snow mix Monday night into Tuesday.
- Confidence in the track of this system is still low.
- Confidence in rainfall and snow amounts remain low.

Alternate Scenarios

- If the track of the system pushes further north, the chances for rain will increase.
- If the track of the system pushes south, the chance for snow will increase.





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.

