



Severe Weather Tuesday

April 3, 2023
4:34 AM

Remain Weather Aware

Key Messages

- Enhanced risk for severe thunderstorms Tuesday through Tuesday Night.
- Tornadoes, large hail and damaging winds are all concerns with this system.
- Gusty winds on Tuesday into early Wednesday.

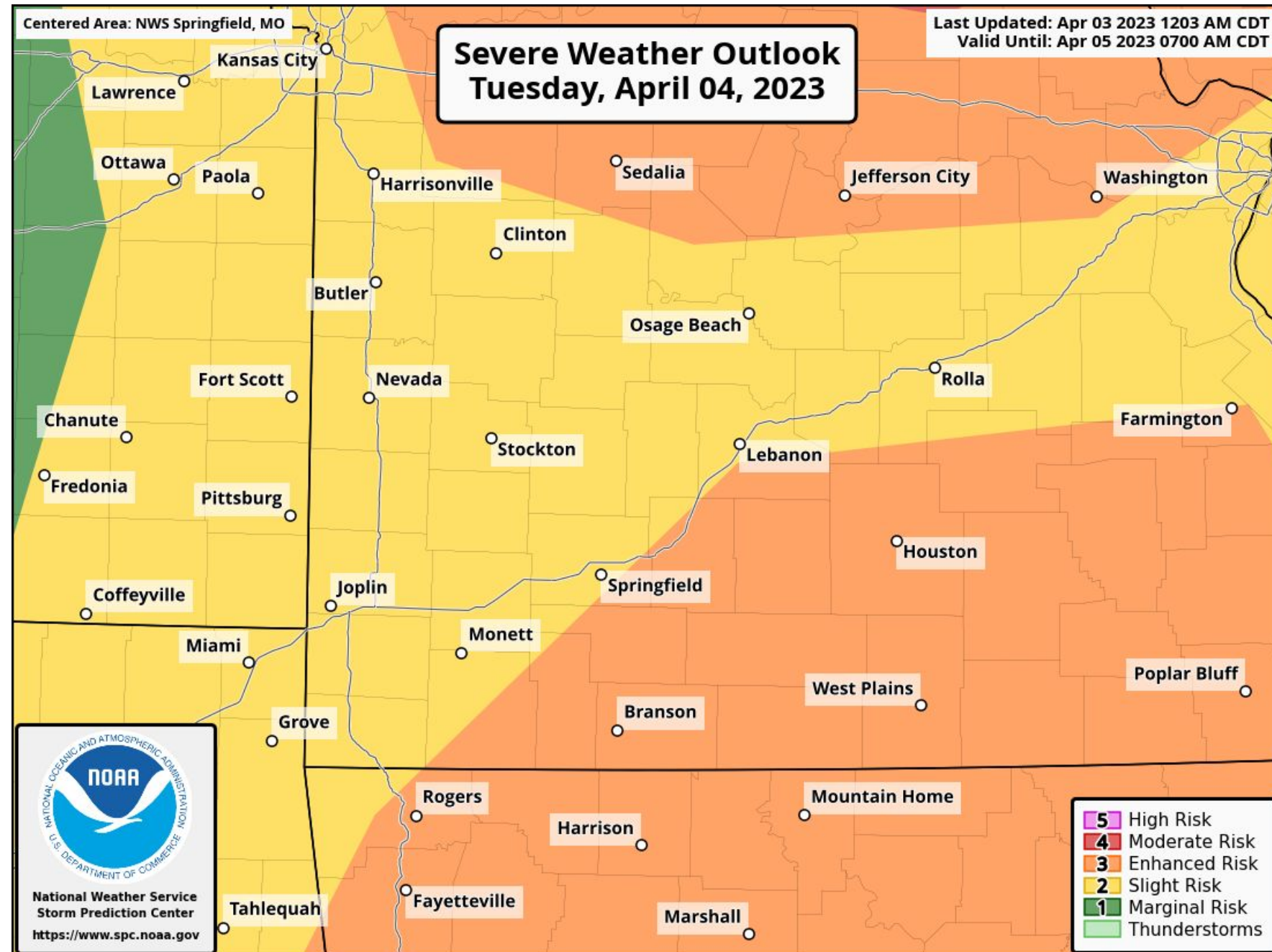
NEW

Important Updates

- Enhanced severe risk expanded slightly Tuesday.

Next Scheduled Briefing

- Monday Afternoon or Evening



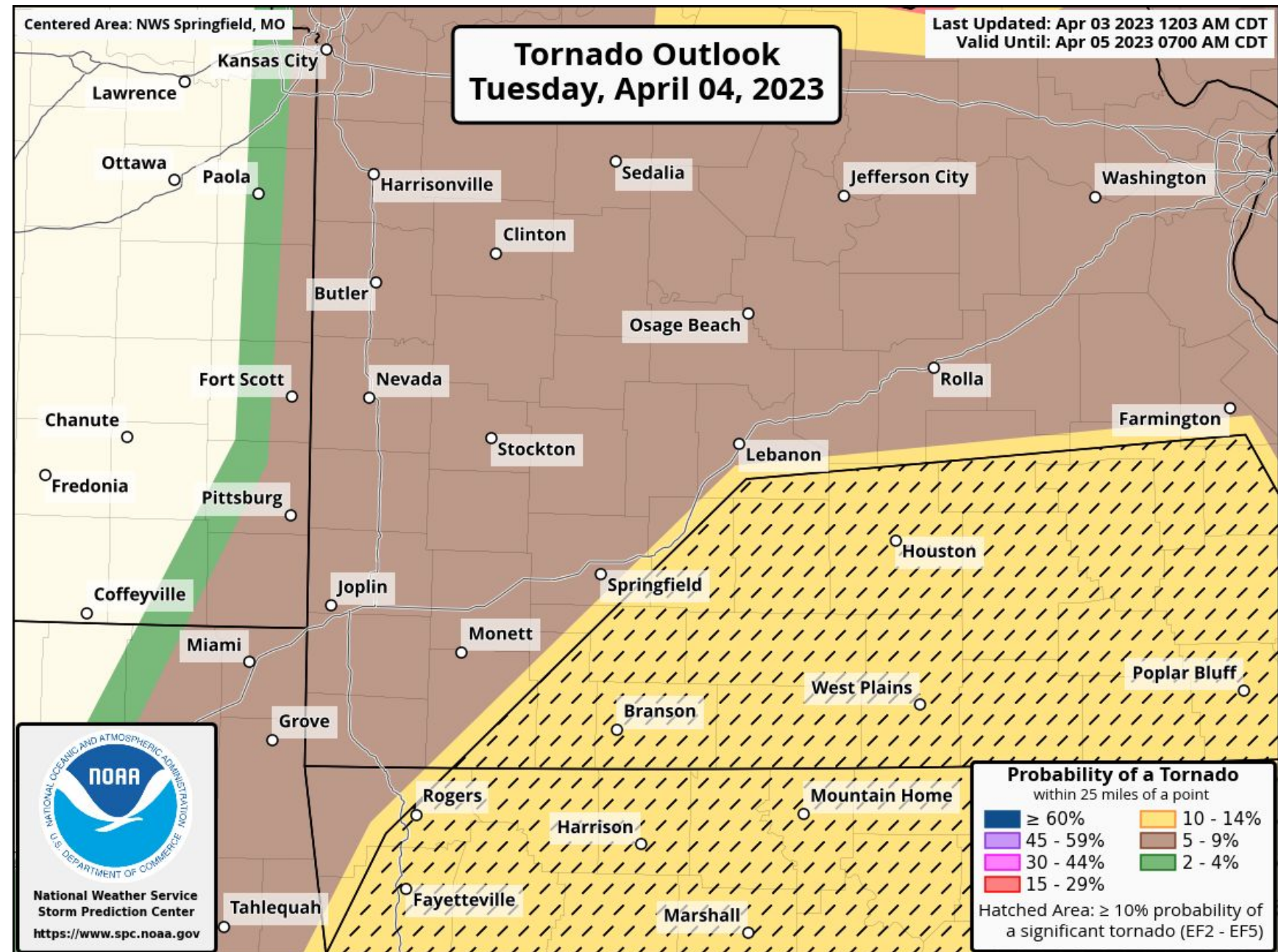


Tornado Outlook Tuesday

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Tornado Probabilities

- The entire area has potential for tornadoes
- Highest tornado probabilities are from Springfield and points east where strong tornadoes are possible (EF-2 +)
- Monitor future updates as these probabilities and areas may change



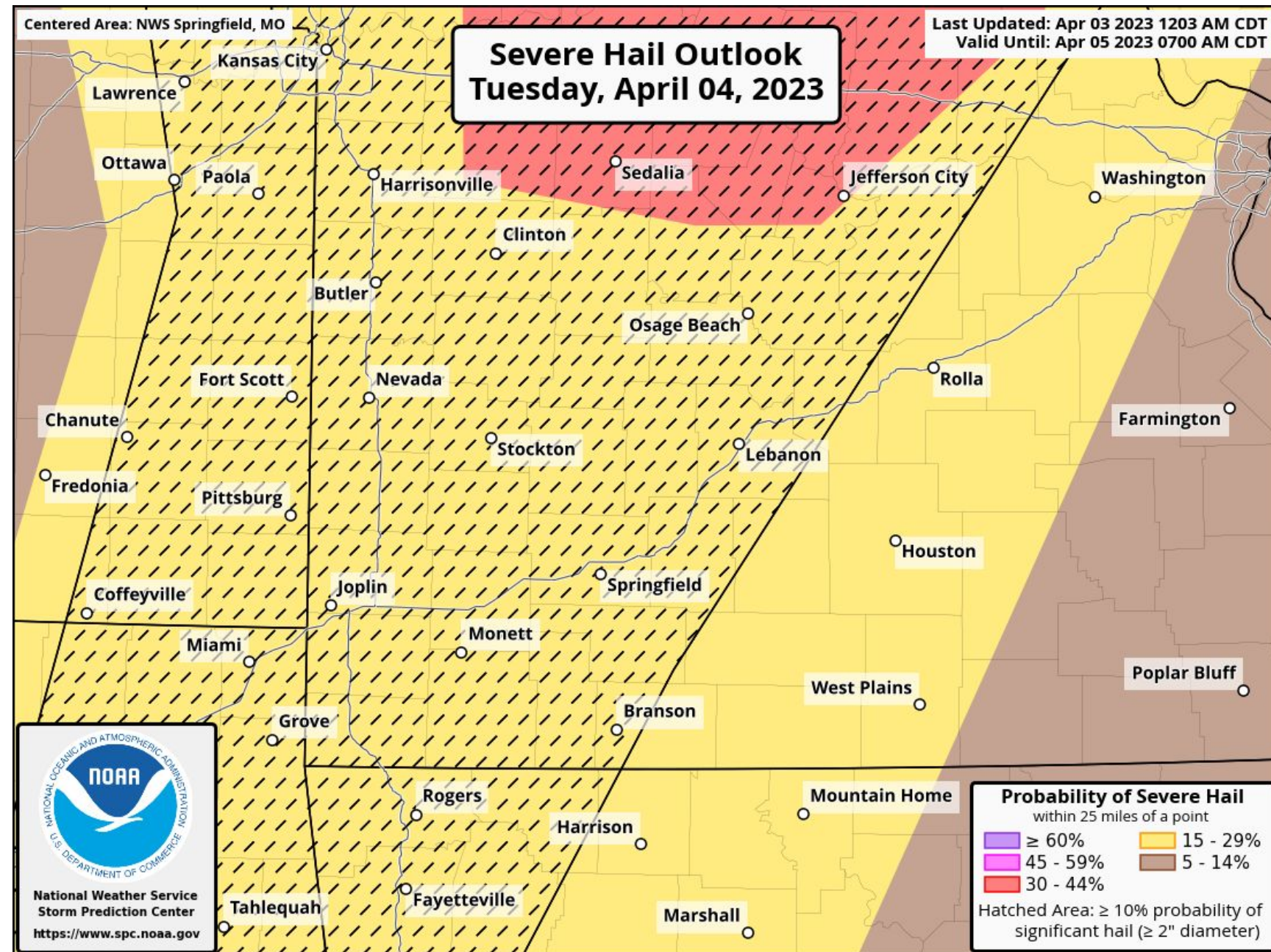


Hail Outlook Tuesday

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Hail Probabilities

- The entire area has the potential for large hail.
- While the highest probabilities for large hail are north of the area, the more intense storms could produce hail to at least 2 inches in diameter in the hatched area.
- Monitor future updates as these probabilities and areas may change



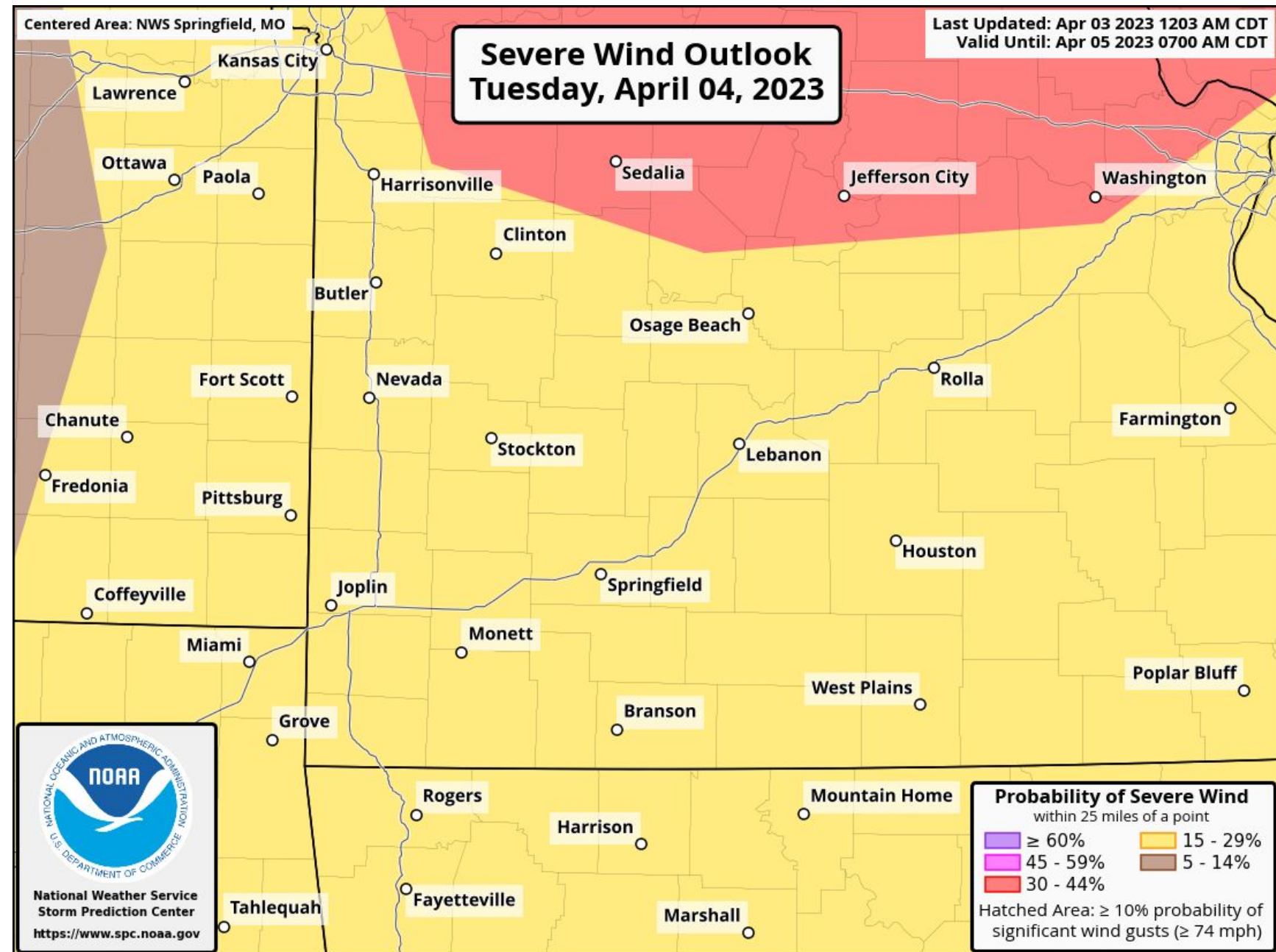


Damaging Wind Outlook Tuesday

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Damaging Wind Probabilities

- The entire area has the potential for large hail.
- The highest probabilities for damaging winds remain just north of the area.
- Monitor future updates as these probabilities and areas will change





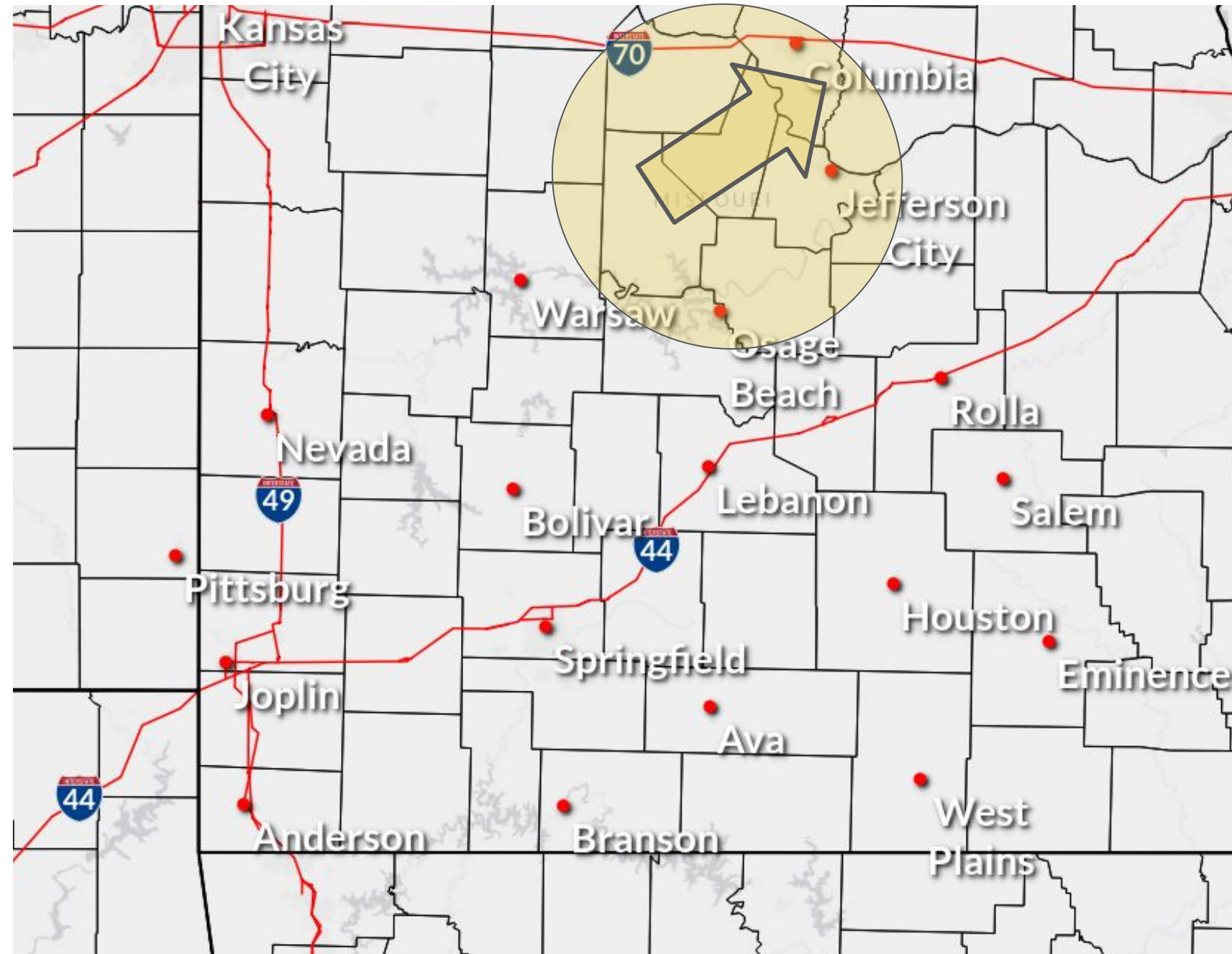
Storm Development Potential

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Tuesday Afternoon and Evening

Storm Development:

- Severe thunderstorms develop across central Missouri late Tuesday Afternoon and quickly move northeast out of the area
- If these storms form, they would likely be supercells with very large hail, damaging winds and tornadoes
- **Low to medium confidence that this occurs**





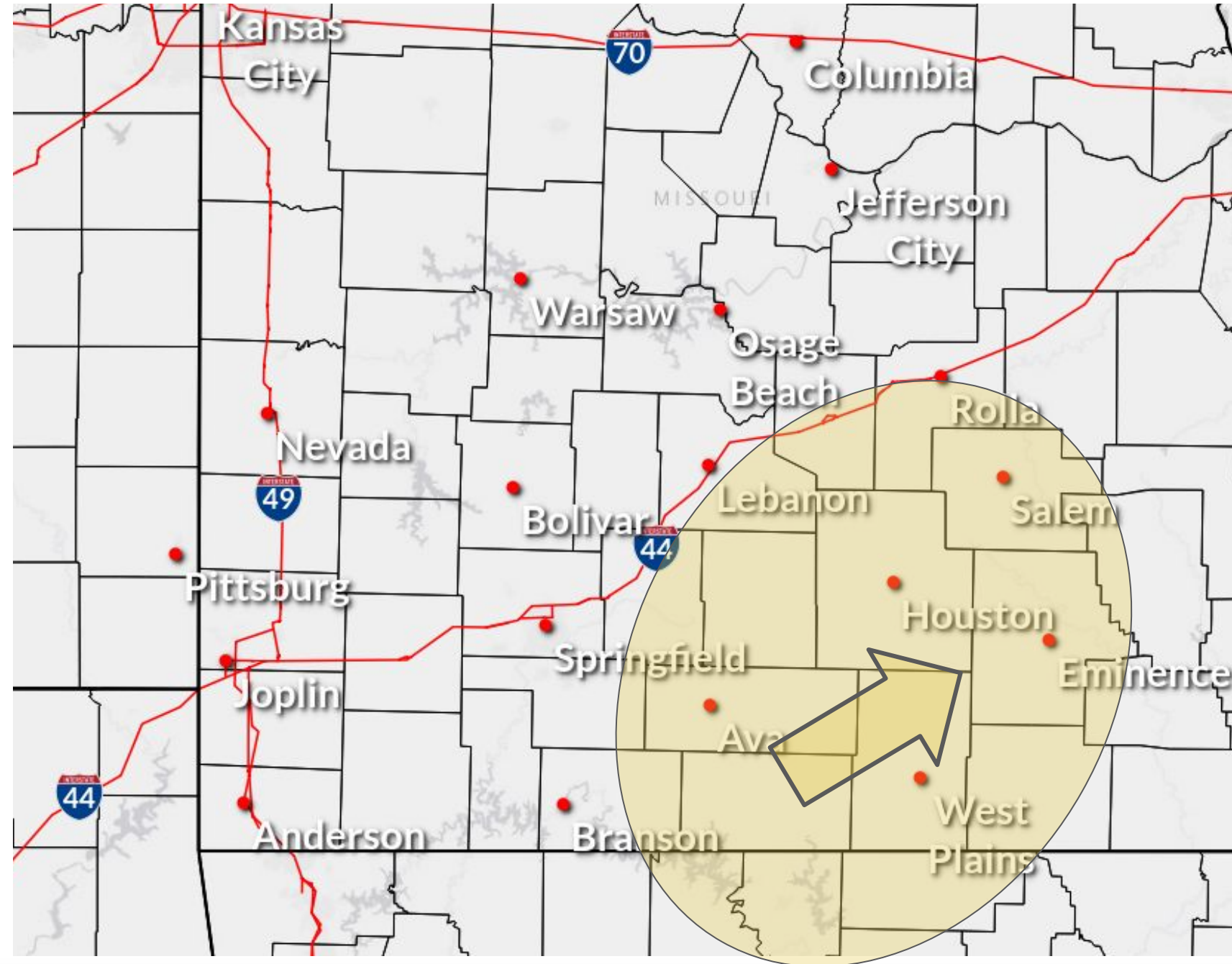
Storm Development Potential

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Tuesday Evening

Storm Development

- Severe thunderstorms develop across northern Arkansas or southern Missouri, generally east of Springfield.
- If these storms form, they would likely be supercells with very large hail, damaging winds and tornadoes. This area has the highest potential for stronger tornadoes.
- **Low confidence that this occurs due to a strong cap in place.**





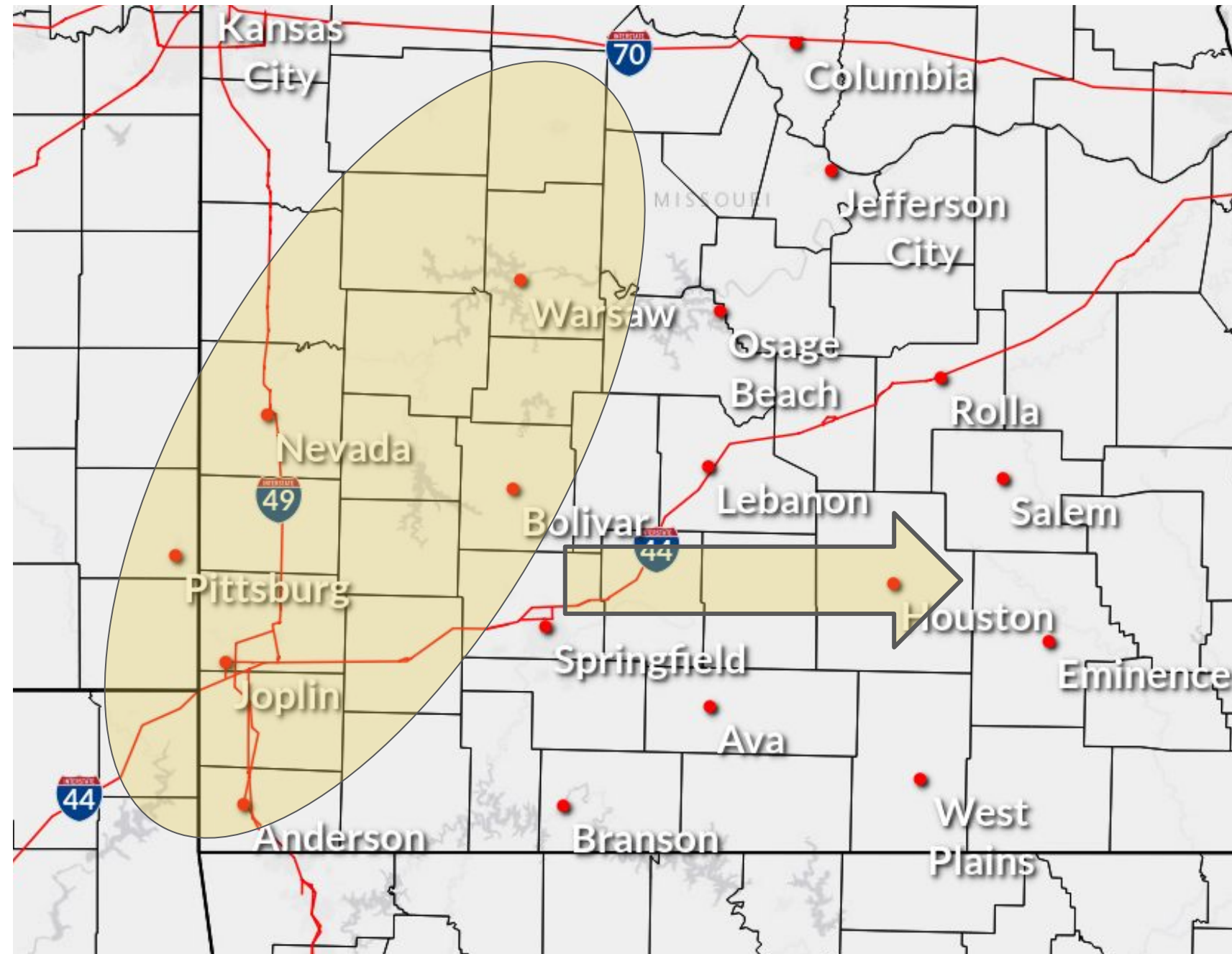
Storm Development Potential

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Tuesday Night - Wednesday Morning

Storm Development:

- Severe thunderstorms develop in a line across southeast Kansas and western Missouri and sweep through the entire area during the night time hours.
- If this line forms then damaging winds and tornadoes would be the main hazards.
- **Medium to high confidence that this occurs.**





Thunderstorm Chances

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Highest Chances Tuesday Night

	6am	4/4	Highest Severe Chances		4/5	12pm
		Tue	6pm	12am	Wed	
Springfield		35%	50%	75%	75%	
Joplin		25%	45%	65%	65%	
Pittsburg		15%	60%	60%	60%	
Branson		35%	60%	80%	80%	
Fort Leonard Wood		35%	60%	75%	75%	20%
Lebanon		35%	55%	75%	75%	
Osage Beach		30%	45%	75%	75%	
Rolla		30%	65%	75%	75%	25%
West Plains		30%	75%	85%	85%	35%

*Created: 3 am CDT Mon 4/3/2023. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation ≥ 15%.

- Rain + **- Thunderstorms +**

Highest Thunderstorm Chances Tuesday Night into early Wednesday Morning

Remain weather aware for updates



Gusty Winds Tuesday Night

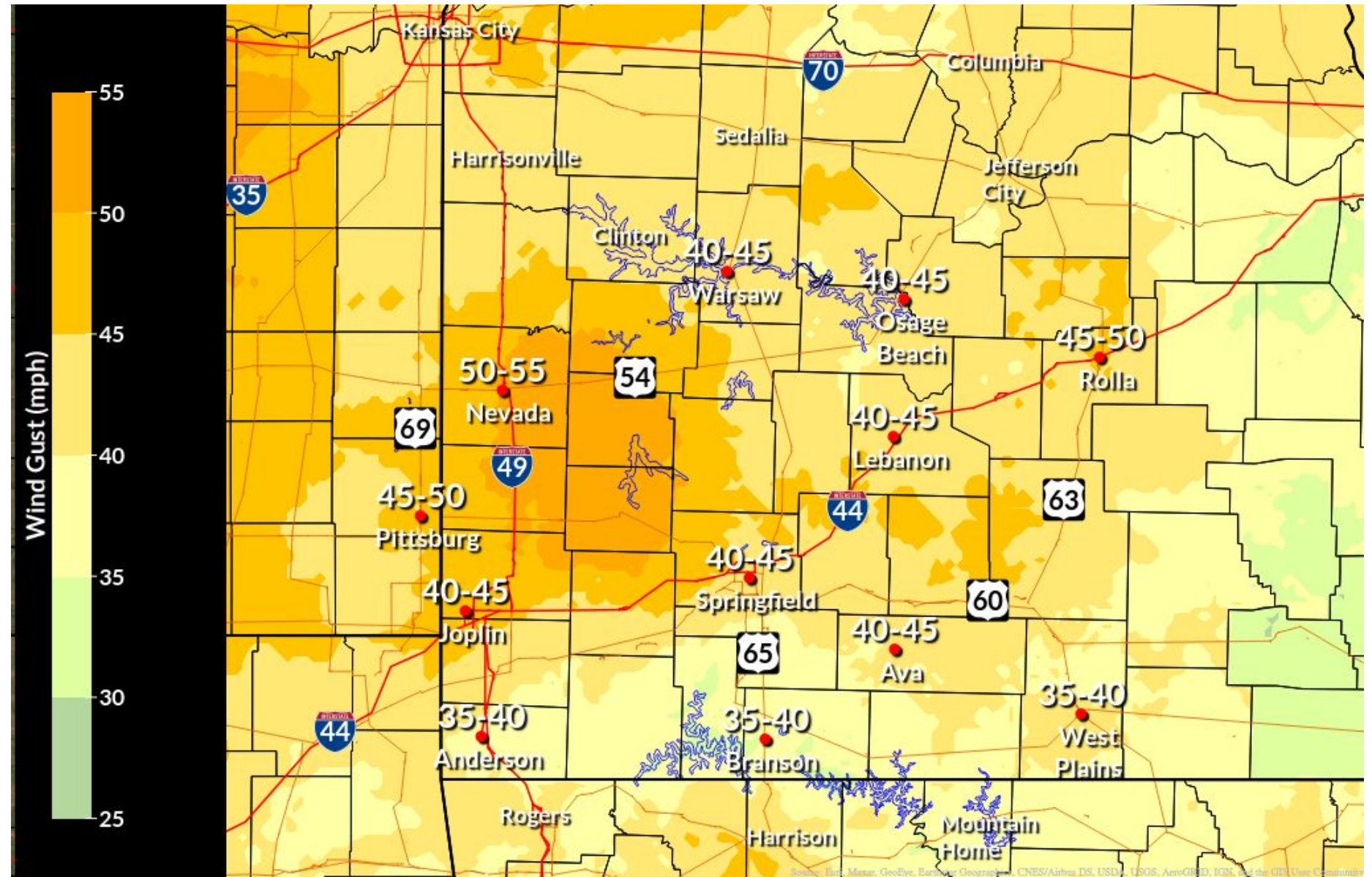
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Highest gusts west of Springfield

Overview

- Wind gusts of 35 to 50 mph expected.
- Highest wind gusts are expected Tuesday night west of Highway 65.
- A Wind Advisory may be issued in future updates.



Maximum Wind Gusts Tuesday Night

National Weather Service
Springfield, MO



For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [SPC Convective Outlooks](#)
- [Submit Storm Reports](#)

ENHANCED RISK

Numerous severe storms possible.

Some longer lived severe storms -- a few intense storms possible.

Have multiple ways to get NWS warnings and seek shelter immediately when warnings are issued for your location.

weather.gov

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