



Thunderstorms Expected Through The Weekend

March 28, 2025
4:49 AM

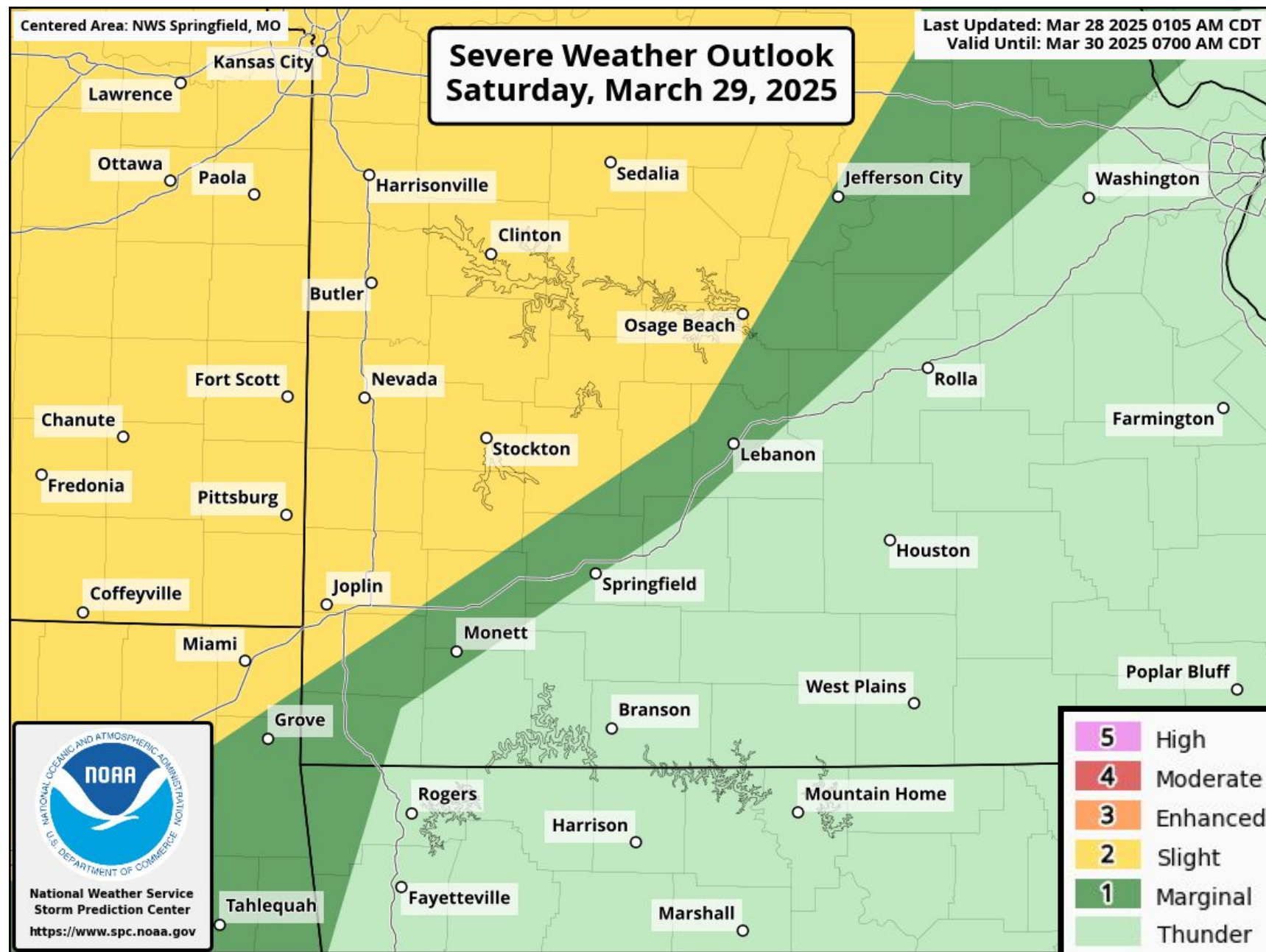
Severe weather risk ramps up this weekend, especially Sunday

Key Messages

- 30-70% chance of non-severe showers and thunderstorms east of Highway 65 during the day Saturday.
- Severe thunderstorm risk ramps up Saturday night as storms move in from the west. Large hail drives the Slight Risk.
- Risk for severe thunderstorms continues Sunday morning as overnight storms move eastward.
- Confidence is higher in areas east of Highway 65 seeing severe storms Sunday afternoon, though there are still uncertainties in exactly where redevelopment of storms occurs.

Next Scheduled Briefing

- By Friday afternoon, March 28



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

National Weather Service
Springfield, MO



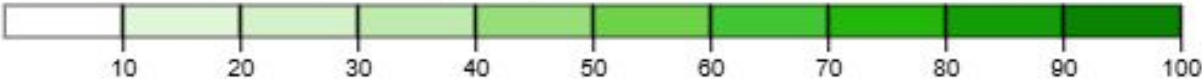
Showers and Thunderstorms Today

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Any thunderstorms will remain non-severe with many areas remaining dry

Probability of Precipitation Forecast (%)

	3/28 Fri																		3/29 Sat
	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am
Branson	0	5	5	5	5	10	10	20	30	25	20	15	20	15	15	15	15	15	15
Fort Leonard Wood	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	10	10	10
Joplin	0	5	5	5	5	5	5	10	5	5	5	10	10	10	5	5	5	5	5
Lebanon	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	10	10	10	10
Monett	0	5	5	5	5	5	5	15	15	15	15	15	15	10	10	10	10	10	5
Mountain Grove	0	0	0	0	0	0	0	10	10	15	20	15	10	10	10	10	10	10	15
Nevada	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5
Osage Beach	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5
Pittsburg, KS	0	0	0	0	0	0	0	5	5	5	5	10	5	5	5	5	5	5	5
Rolla	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5
Springfield	0	0	5	5	5	5	5	5	5	10	10	10	10	10	10	10	10	10	10
Warsaw	0	0	0	0	0	0	0	0	0	5	0	0	0	5	5	5	5	5	5
West Plains	0	5	5	5	5	5	5	15	20	25	20	20	15	15	15	15	15	15	15



Probability of Precipitation Forecast (%)

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Further south = higher chances of seeing showers and storms





Showers and Thunderstorms Saturday

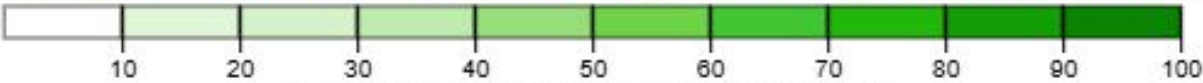
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Any thunderstorms will remain non-severe with some areas remaining dry

Probability of Precipitation Forecast (%)

	3/29 Sat																		
	12am	1am	2am	3am	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm
Branson	15	20	20	20	15	15	15	20	20	20	20	20	20	25	25	25	25	25	25
Fort Leonard Wood	10	15	15	15	15	15	15	30	30	30	30	30	30	40	40	40	40	40	40
Joplin	5	5	5	5	5	5	5	10	10	10	10	10	10	10	10	10	10	10	10
Lebanon	10	10	10	10	10	10	10	30	30	30	30	30	30	35	35	35	35	35	35
Monett	5	10	10	10	10	10	15	15	15	15	15	15	15	15	15	15	15	15	15
Mountain Grove	15	25	30	40	30	25	25	45	45	45	45	45	45	50	50	50	50	50	50
Nevada	5	5	5	5	5	5	5	10	10	10	10	10	10	15	15	15	15	15	15
Osage Beach	5	5	10	10	10	10	10	25	25	25	25	25	25	30	30	30	30	30	30
Pittsburg, KS	5	5	5	10	5	5	5	10	10	10	10	10	10	10	10	10	10	10	10
Rolla	5	15	15	15	15	15	15	35	35	35	35	35	35	45	45	45	45	45	45
Springfield	10	10	10	10	10	15	15	25	25	25	25	25	25	25	25	25	25	25	25
Warsaw	5	5	5	5	5	5	5	20	20	20	20	20	20	20	20	20	20	20	20
West Plains	15	30	40	45	50	55	50	60	60	60	60	60	60	65	65	65	65	65	65

Further east = higher chances of seeing showers and storms



Probability of Precipitation Forecast (%)

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Slight Risk Saturday Night

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Coverage and eastward extent is the main uncertainty. Many areas remain dry.

Overview

Elevated thunderstorms will develop over Kansas/Oklahoma and move eastward overnight Saturday into Sunday morning. Greater confidence that these remain elevated with large hail as the main risk. A possible scenario is for storms to congeal into a large complex.

Actions



Be weather aware and ready to act.
Have multiple ways to receive warning information!

Severe Threats



Tornado



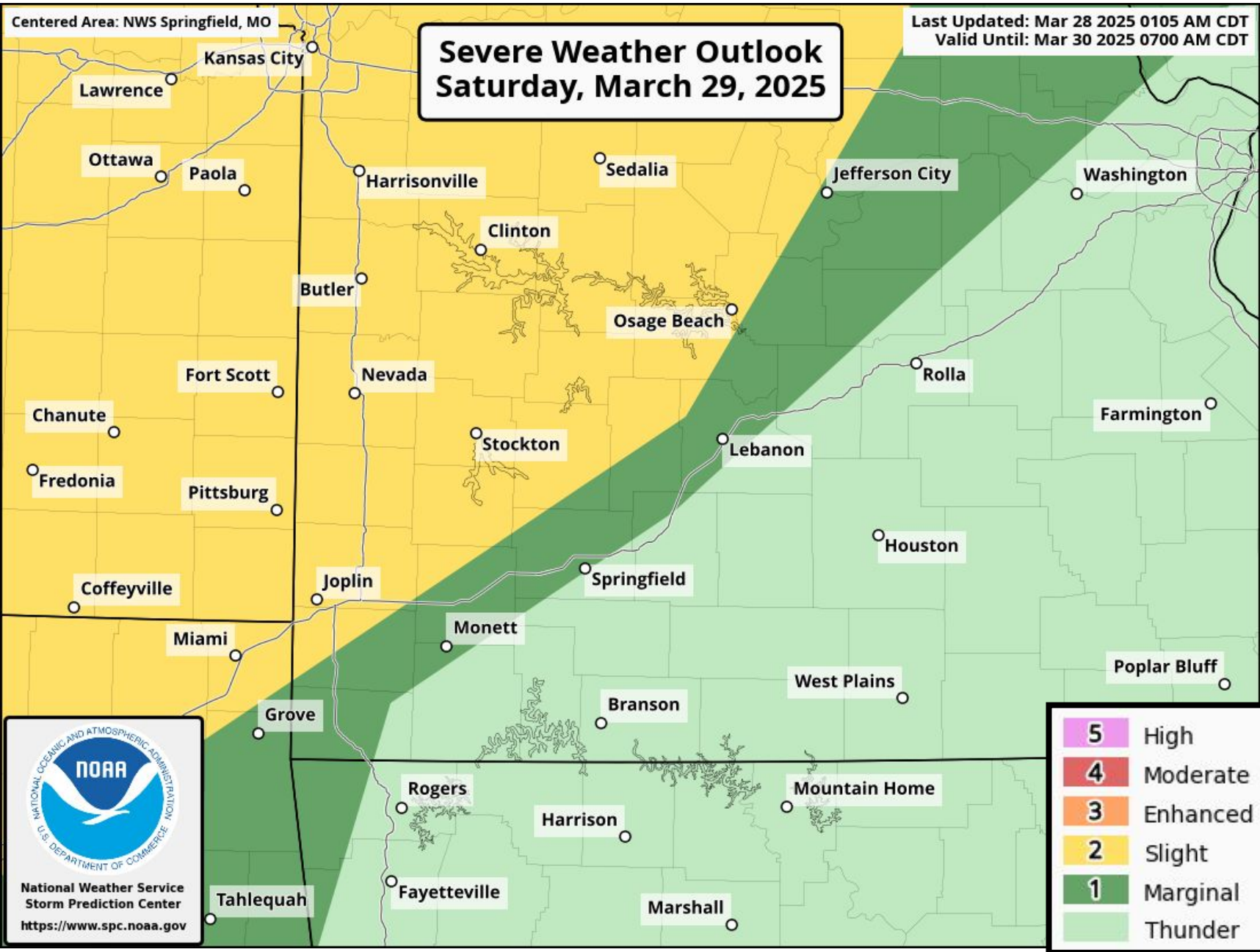
Hail



Wind



Flooding



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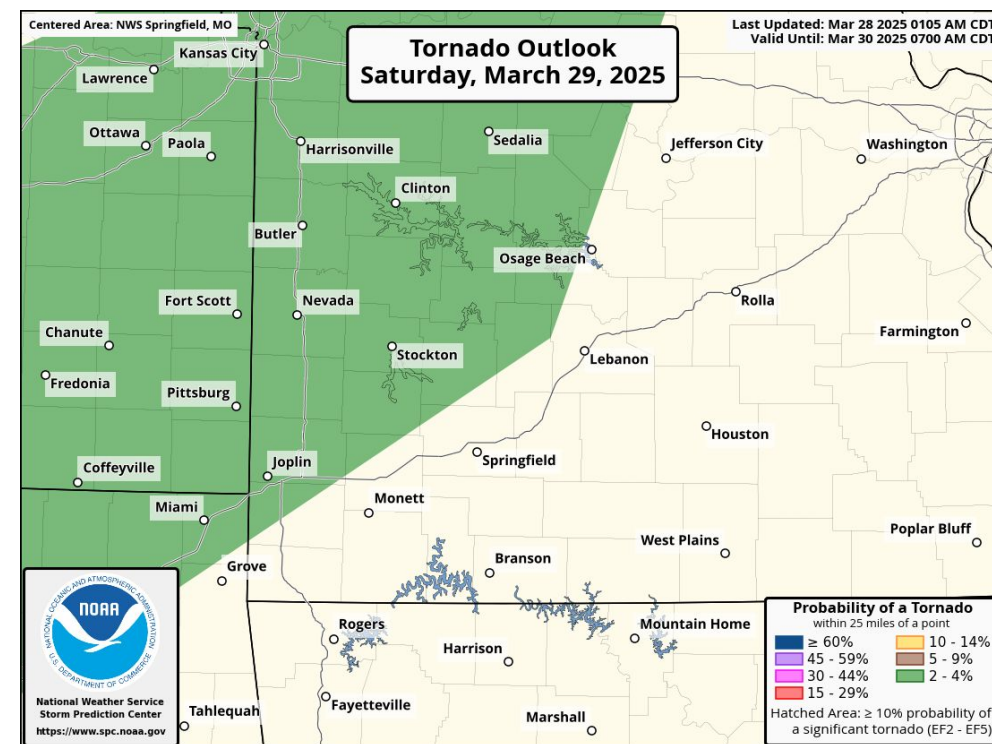
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Hazard Probabilities Saturday Night

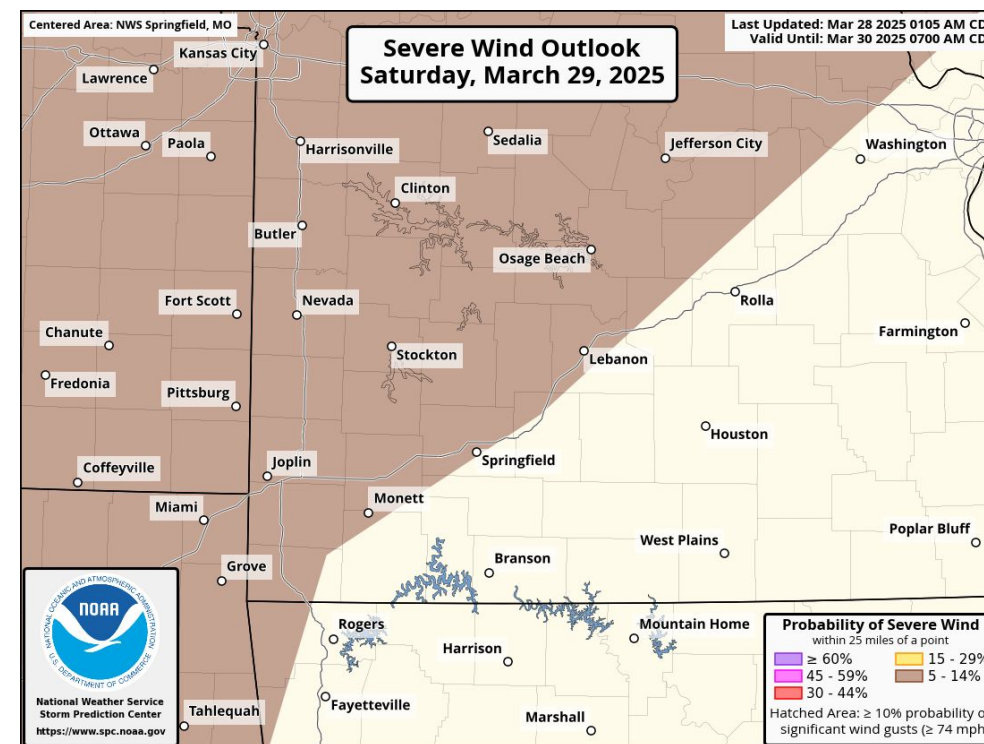
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Large hail is the main hazard



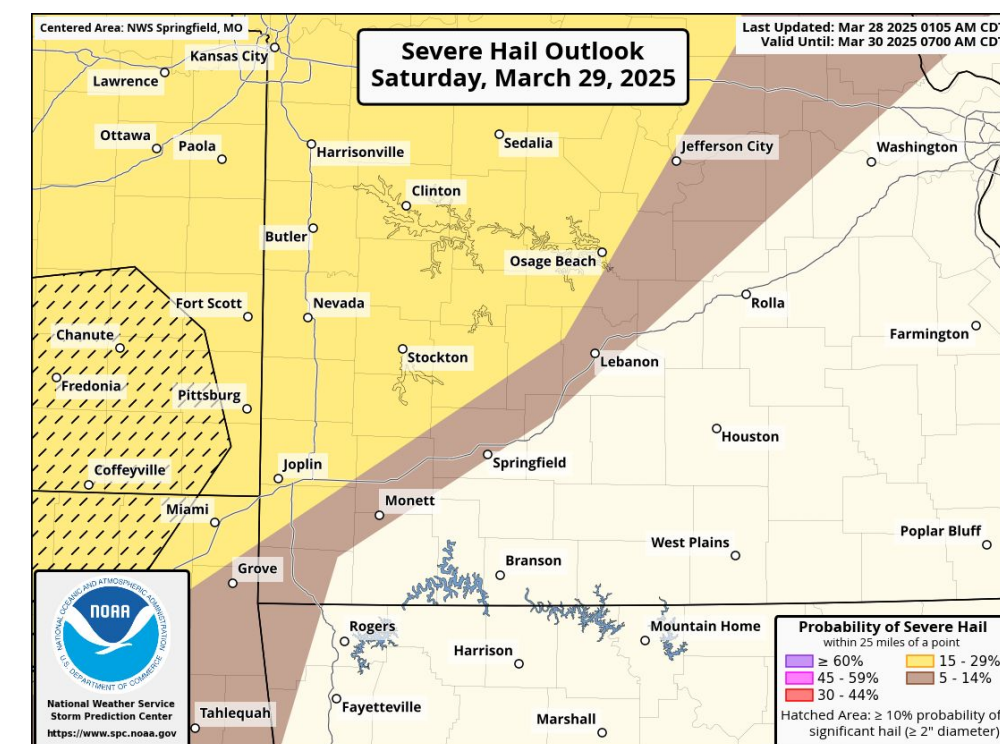
Tornado Probabilities

Currently the hazard of least concern.



Wind Probabilities

Conditional on if cold front congeals storms into a line/complex



Hail Probabilities

Most likely hazard





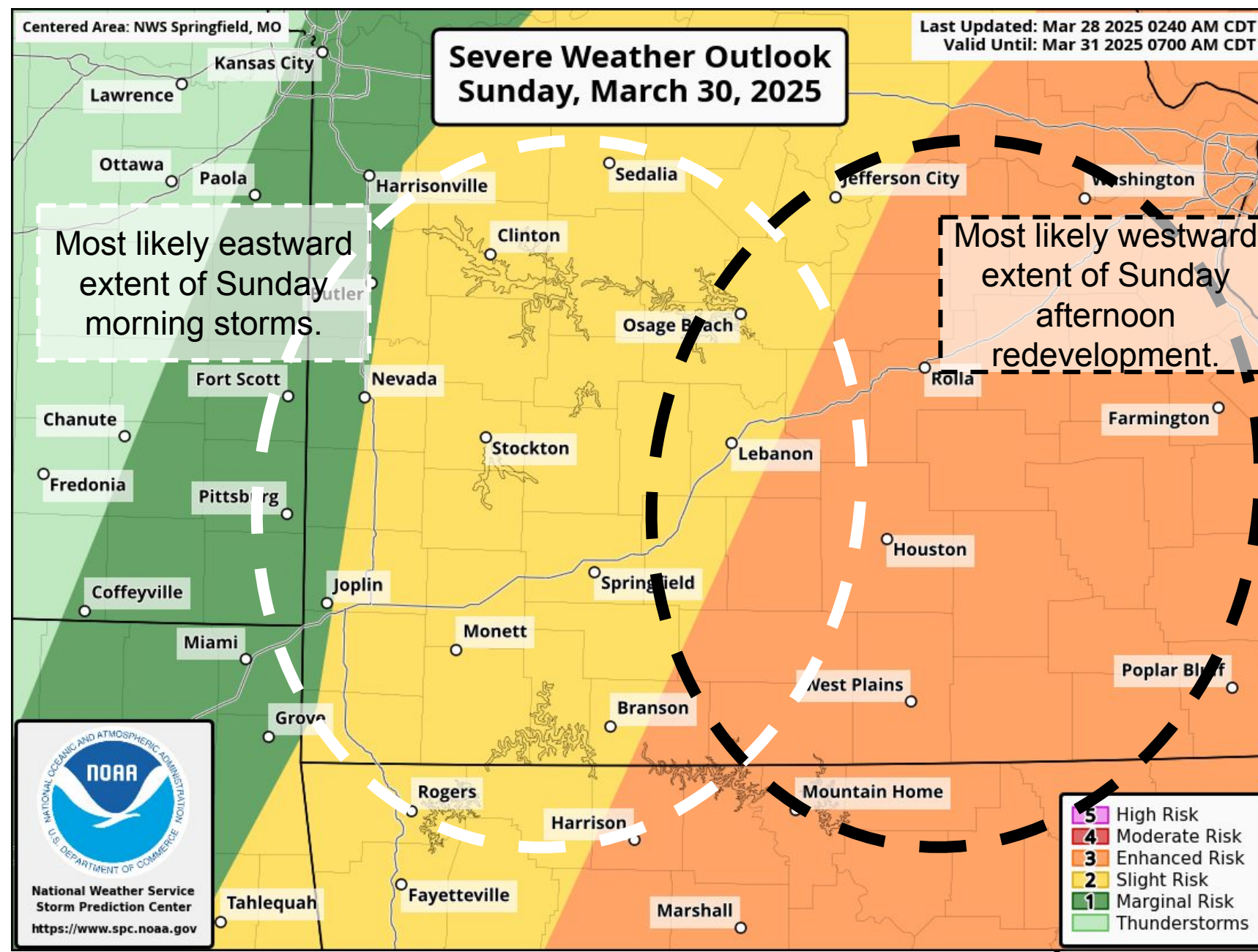
Enhanced Risk Sunday

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Uncertain in eastward extent of morning storms and westward extent of afternoon storms

Key Points

- The environment will be more conducive for severe storms Sunday than Saturday night, but...
- There is uncertainty in how far east the Sunday morning storms progress, and...
- This creates uncertainty in how far west redevelopment occurs Sunday afternoon, however...
- Confidence is highest in areas east of Highway 65 seeing the redevelopment of severe storms Sunday afternoon, furthermore...
- These storms will have the potential to produce significantly severe hazards, though exact details are uncertain at this time.



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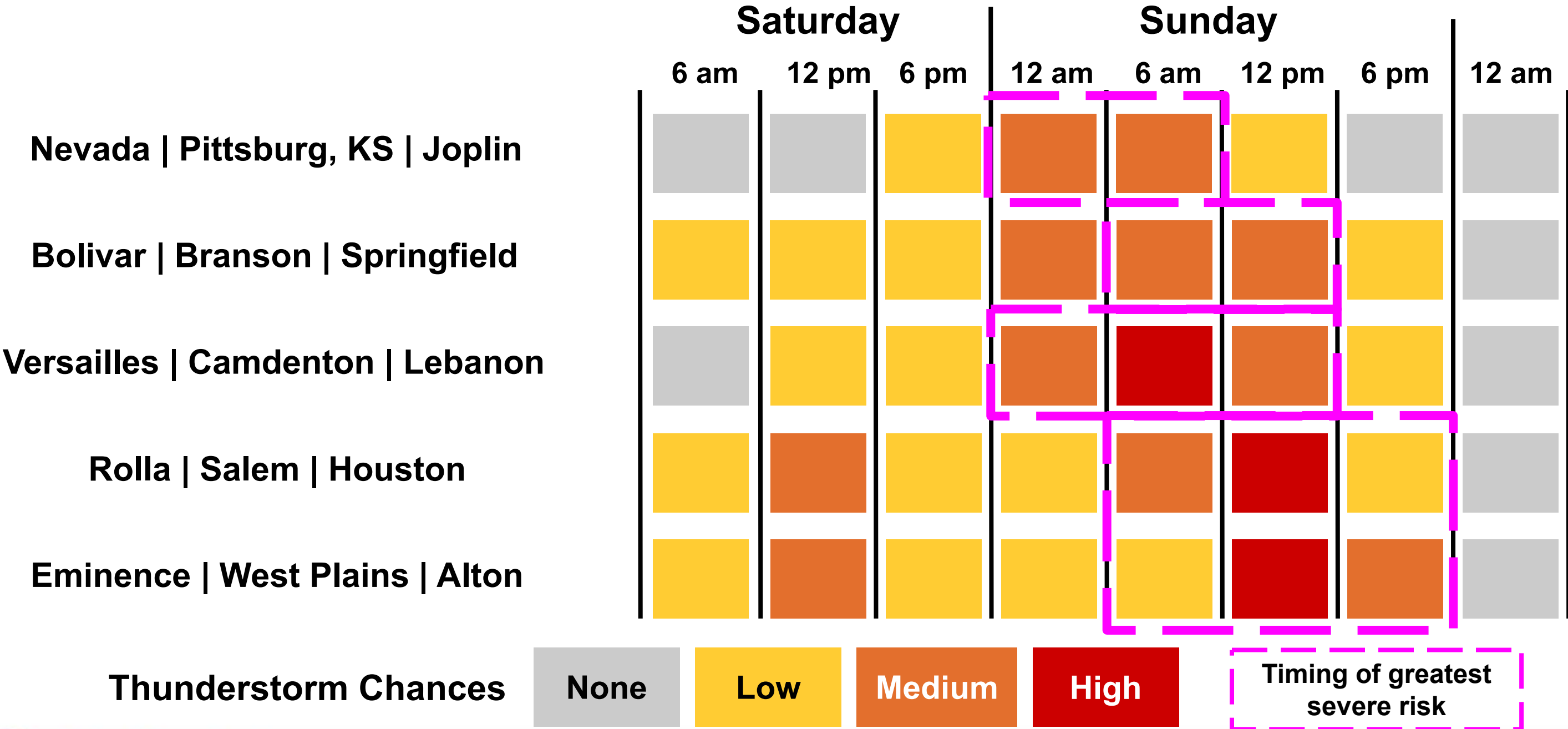
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Weekend Thunderstorm Timeline

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Any thunderstorms during the day Saturday will likely be non-severe

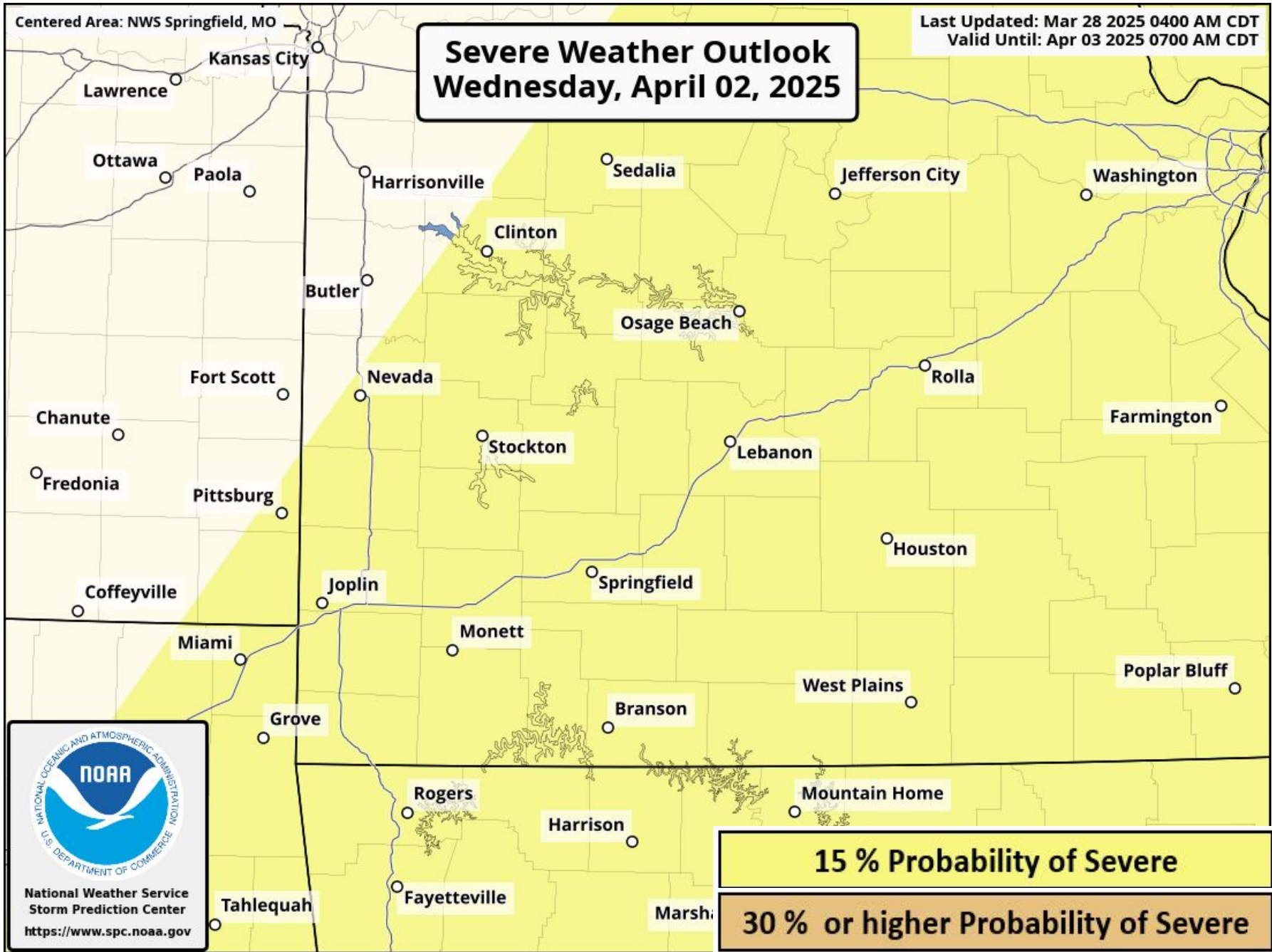




Severe Risk Returns Wednesday

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Lots of uncertainty with this system, and exact boundaries will be refined





Confidence Levels for Weekend Storms

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Details remain rather limited still

Location



Timing



Impacts



Travel Impacts



Confidence Details

- Models coming into better agreement that storms will occur late Saturday night, likely elevated with hail as the main risk.
- Medium-to-high confidence that Saturday's risk will be timed during the less diurnally favorable late overnight hours into early Sunday morning
- Lowest confidence in how far east morning storms get and, subsequently, how far west redevelopment of storms occurs Sunday afternoon. Medium-High confidence, though, that redeveloped storms have a higher chance of being severe than Saturday night's storms.

Alternate Scenarios

- Earlier dissipation of storms Sunday morning would yield a higher chance for severe storms Sunday afternoon.
- Changes in timing of cold front arrival will also cause timing of storms to change
- Mixed-mode storms along the front seem most likely at this time, but storm mode considerations and expectations may change as finer resolution details become resolved





Additional Resources

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For Additional Information

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

TORNADO 	HAIL 	LIGHTNING 	WIND 	FLOODING 
ACTION Take shelter immediately in a sturdy structure	ACTION Move indoors away from windows	ACTION Move indoors if you hear thunder	ACTION Move indoors away from windows	ACTION Avoid rising creeks and water- covered roads

Understanding
**SEVERE
WEATHER
HAZARDS**

James Hobbs

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