



Additional Thunderstorm Potential

April 16, 2026
6:01 AM

Potential for Severe Thunderstorms and Localized Heavy Rainfall

Key Messages

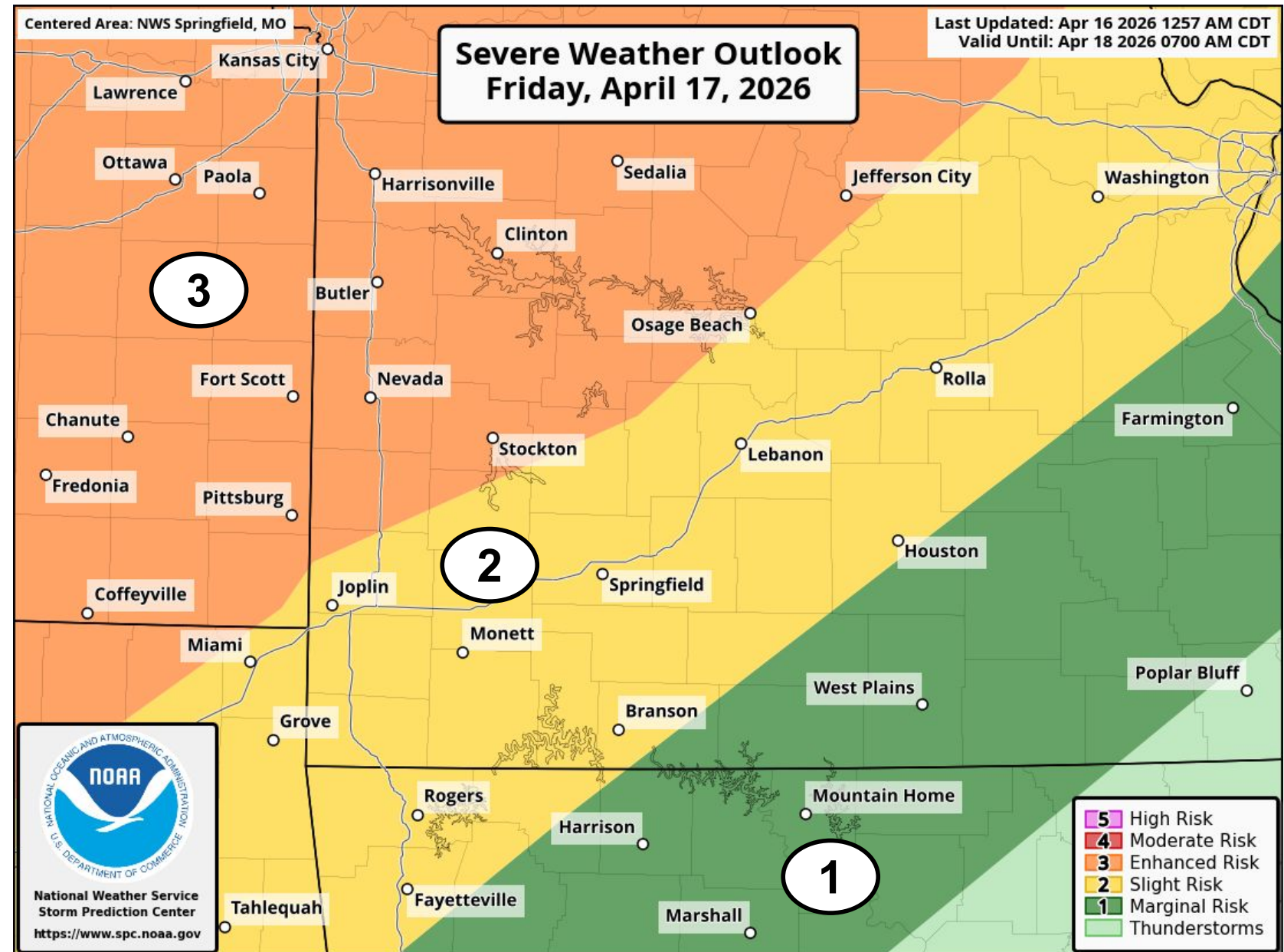
- A **Marginal** (1 of 5) Risk for severe thunderstorms this afternoon and evening across south central Missouri.
- A **Marginal** (1 of 5) to **Enhanced** (3 of 5) Risk for severe thunderstorms Friday Evening. All hazards are possible with this round of storms, but damaging winds in excess of 70-80 mph will be the primary severe hazard with the squall line that develops.
- Heavy rainfall Friday night could lead to additional flooding, especially along and northwest of I-44.

NEW Important Updates

- Large hail potential this afternoon east of Springfield
- Updated severe graphics for Friday Night

Next Scheduled Briefing

- This afternoon or as needed





Severe Outlook Today

April 16, 2026
6:01 AM

Strong to Severe Thunderstorms

What

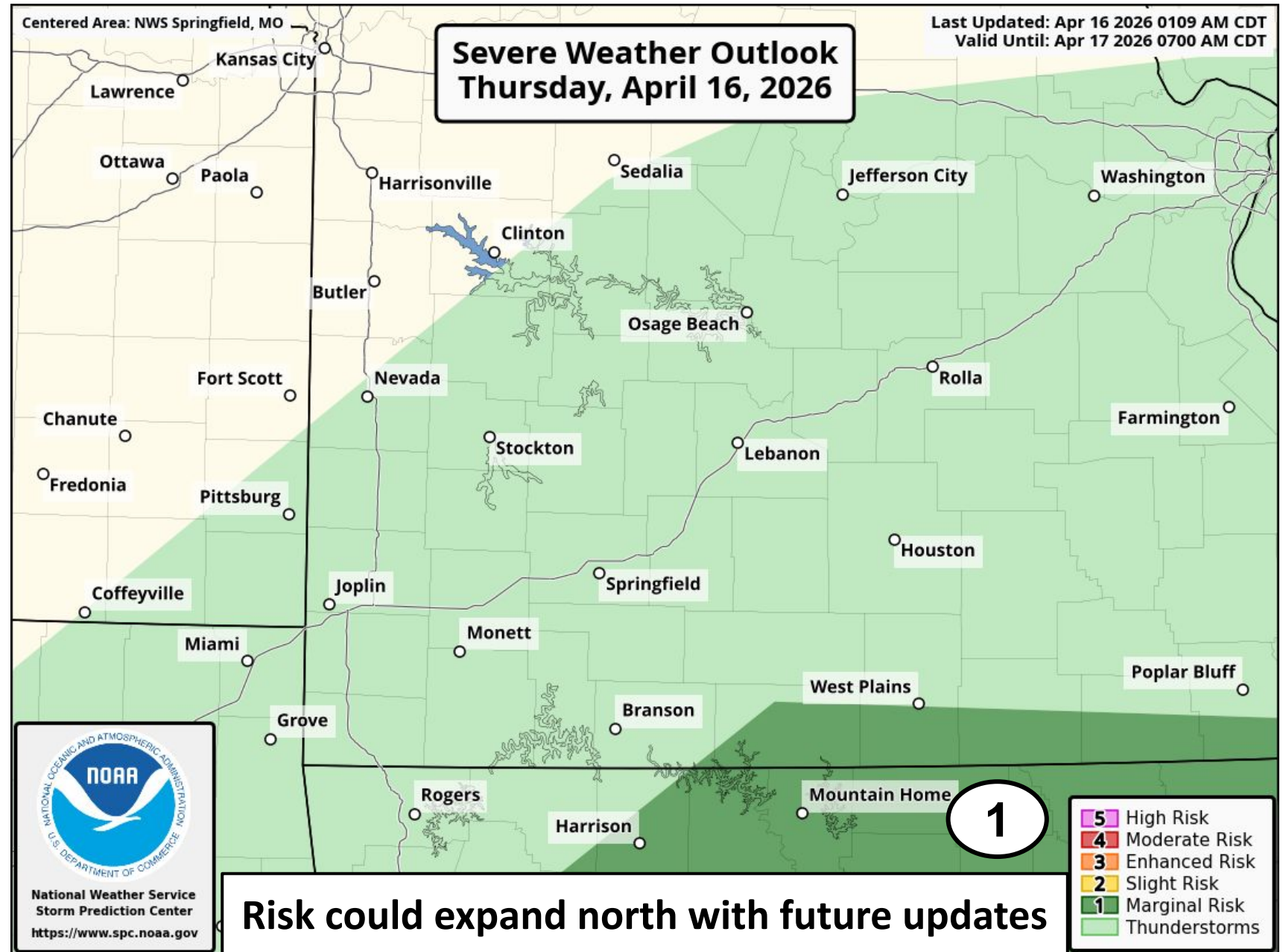
- 20 to 50% chance of scattered thunderstorm redevelopment this afternoon.
- Large hail to the size of golf balls and damaging winds are the main hazards *if storms can form.*

Where

- Southeast of Springfield across the southcentral Missouri (West Plains region).

When

- Between 1pm and 6pm today.





Hazard Probabilities Today

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Primary Hazards are Damaging Wind Gusts and Large Hail



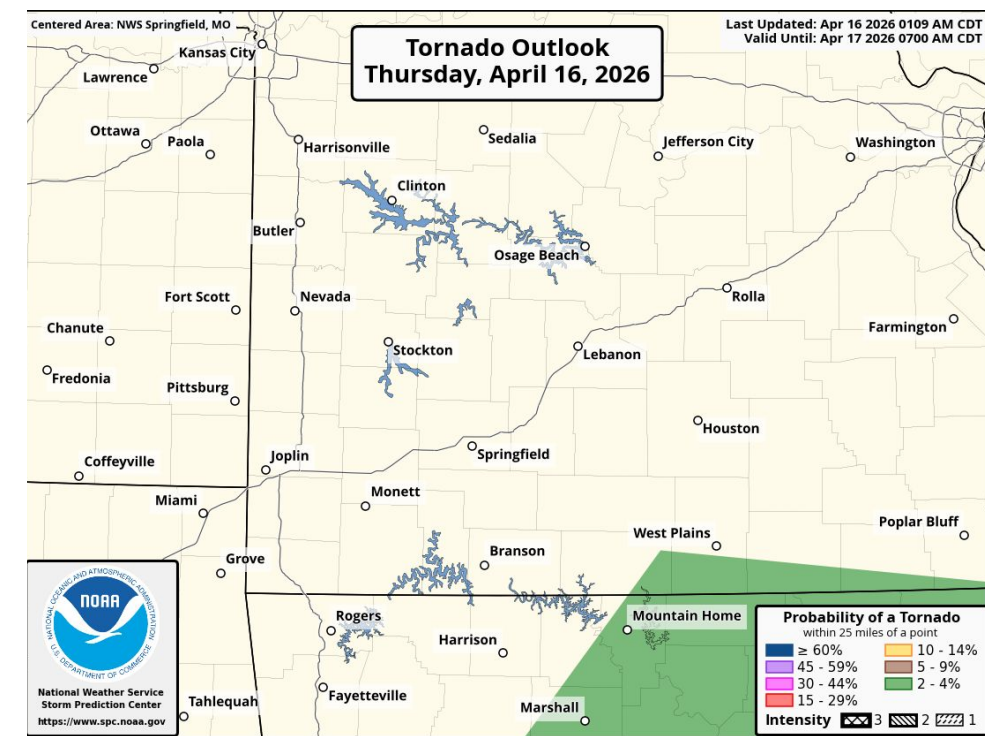
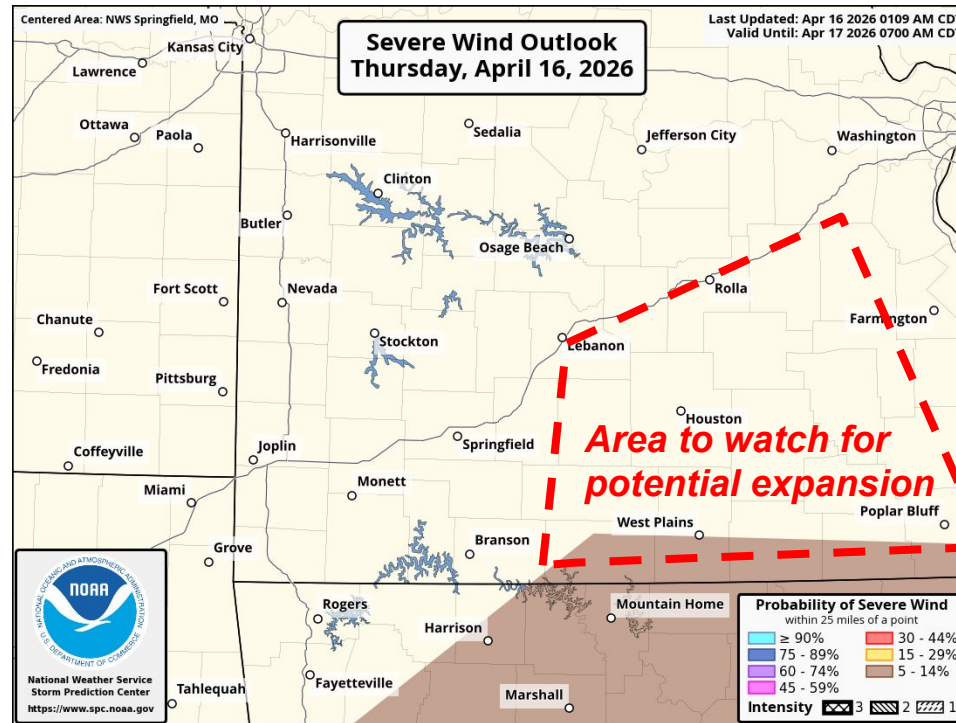
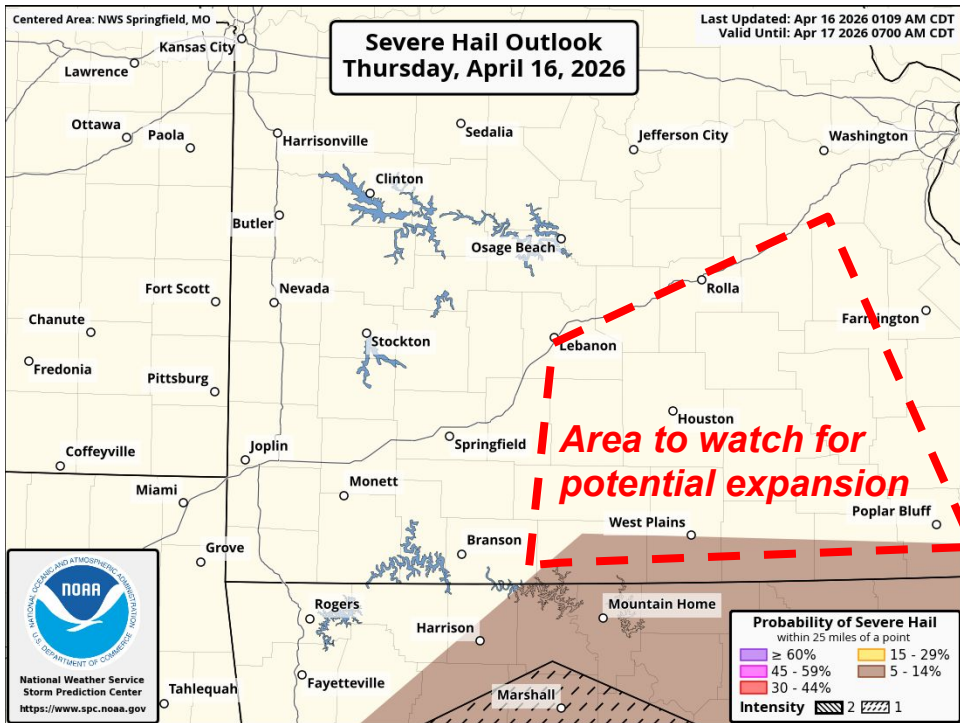
Hail Probability



Wind Probability



Tornado Probability



Pennies	Quarters	Golf Balls	Baseballs
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< 60 mph	60-70 mph	70-80 mph	>80 mph
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Very Low	Low	Moderate	High
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Strong tornado potential in hatched area

National Weather Service
Springfield, MO



Severe Outlook Friday

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Scattered Strong to Severe Thunderstorms

What

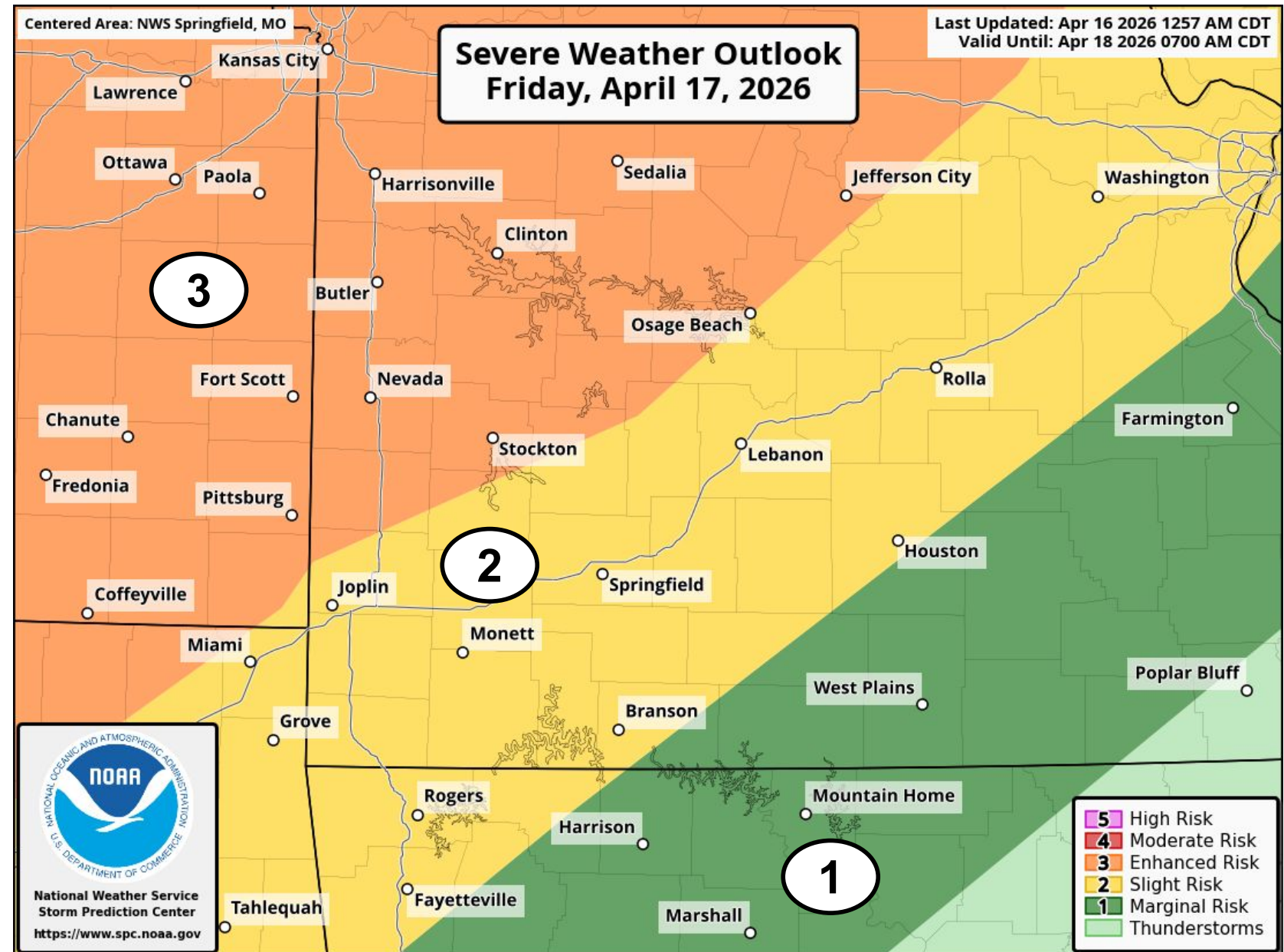
- Severe thunderstorms with large hail, damaging winds, and tornadoes.
- High confidence in a squall line developing along a cold front on Friday afternoon in northern Missouri, before sweeping south Friday evening into Saturday.
- There is slightly lower confidence in the chances of supercells developing ahead of the cold front.

Where

- The entire area has a risk with the highest chances generally along and northwest of Interstate 44.

When

- Friday evening into the overnight hours.





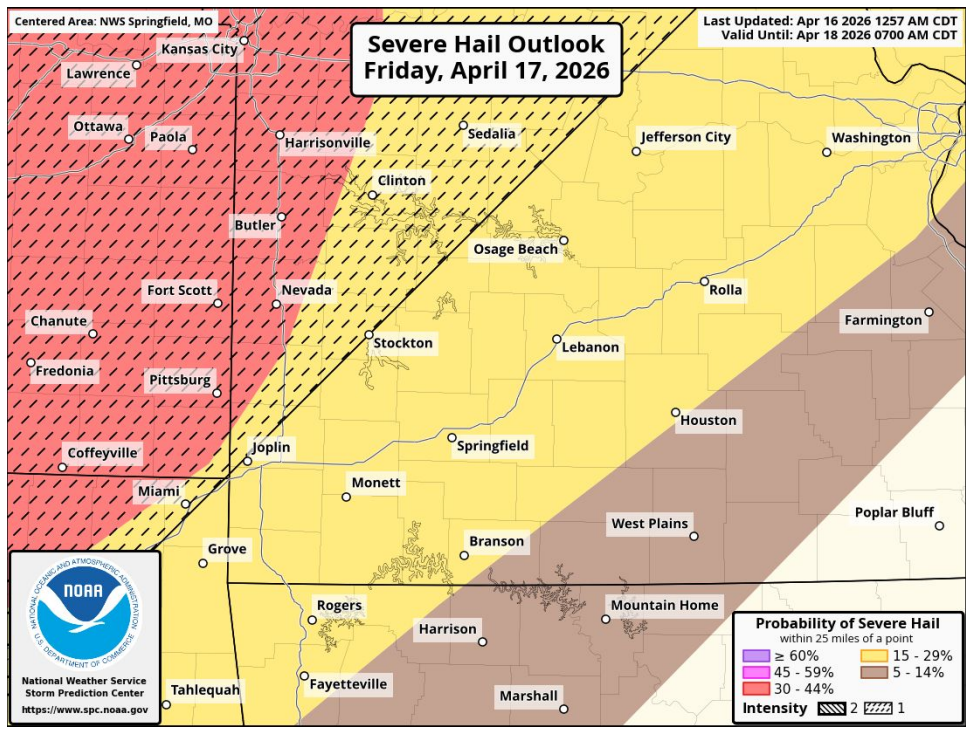
Hazard Probabilities on Friday

April 16, 2026
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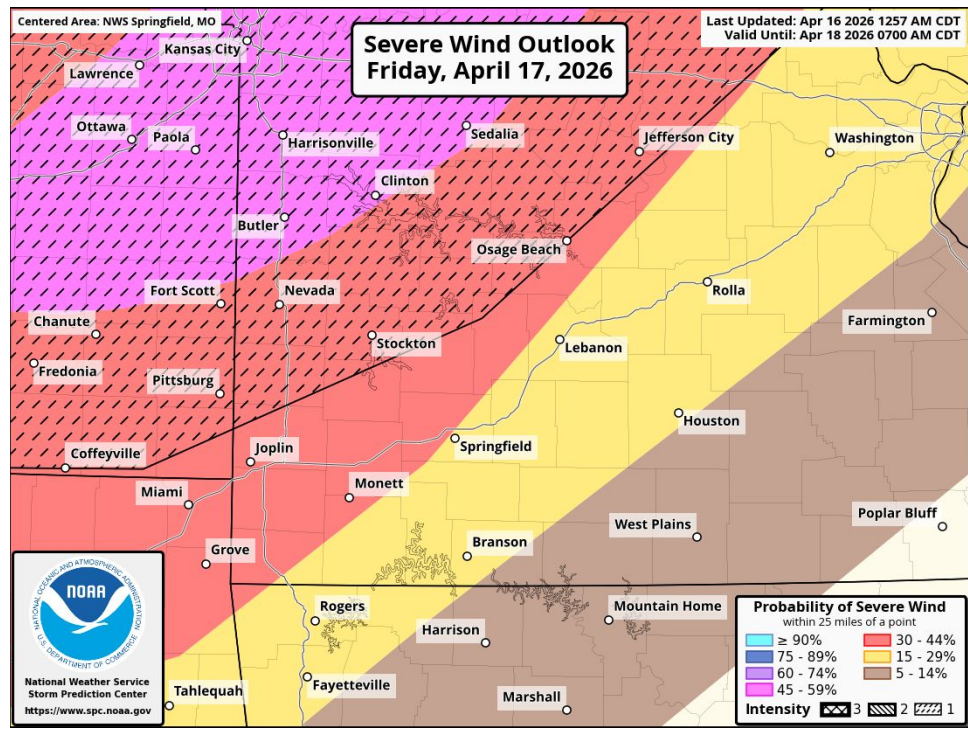
All modes of severe weather



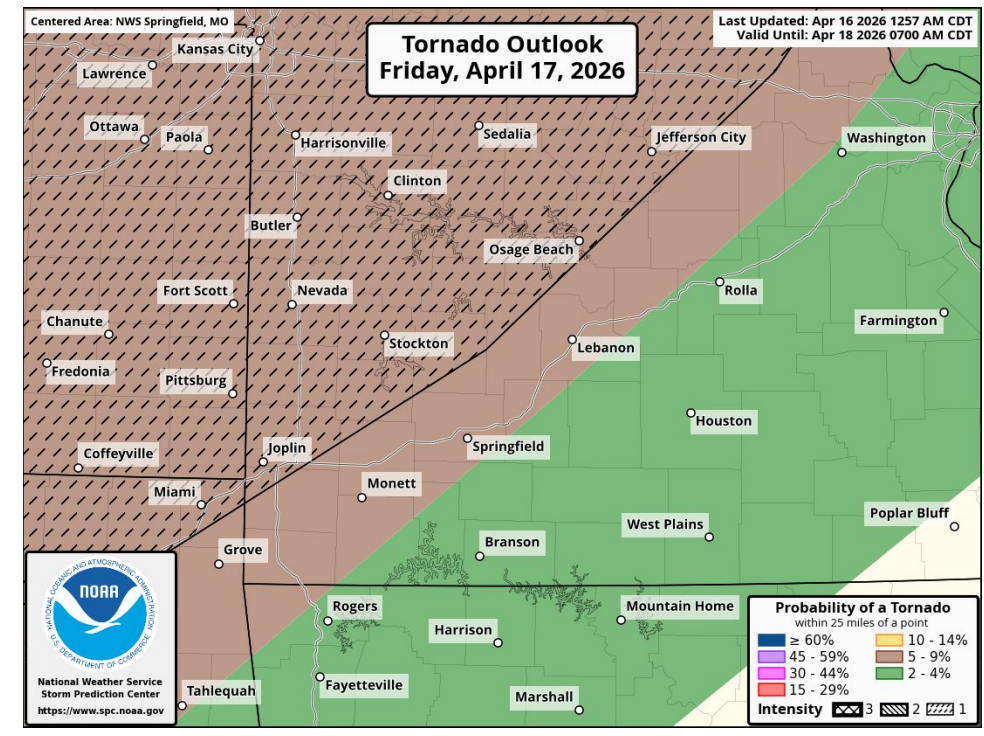
Hail Probability



Wind Probability



Tornado Probability



Pennies	Quarters	Golf Balls	Baseballs
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< 60 mph	60-70 mph	70-80 mph	>80 mph
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Very Low	Low	Moderate	High
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Chance for a strong tornado in the hatched area



Timing of Shower and Thunderstorm Chances

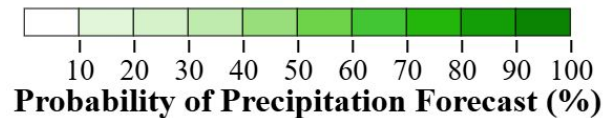
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Periods of Dry Time

Greatest risks for severe storms

Probability of Precipitation (%) Forecast

	4/16 Thu					4/17 Fri					4/18 Sat							
	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm
Pittsburg, KS	15	15	0	0	0	0	0	0	15	15	65	65	90	90	80	80	20	20
Joplin	10	20	15	0	0	0	0	0	20	20	60	60	90	90	85	85	20	20
Nevada	20	15	0	0	0	0	0	0	20	20	75	75	95	95	80	80	20	20
Monett	25	30	10	10	0	5	0	0	25	25	50	50	75	75	90	90	30	30
Bolivar	10	25	15	0	0	0	0	0	25	25	65	65	85	85	90	90	25	25
Warsaw	10	15	5	0	0	0	0	0	25	25	80	80	95	95	85	85	25	25
Springfield	5	30	15	5	0	0	0	0	25	25	55	55	70	70	85	85	30	30
Branson	25	25	30	0	5	5	0	0	20	20	35	35	50	50	80	80	35	35
Lebanon	5	20	25	5	5	0	0	0	20	20	60	60	75	75	90	90	35	35
Osage Beach	10	10	15	15	5	0	0	0	20	20	70	70	90	90	95	95	30	30
Mountain Grove	0	25	35	15	5	0	5	0	25	25	50	50	50	50	80	80	45	45
Fort Leonard Wood	0	15	20	5	5	0	0	0	15	15	55	55	65	65	85	85	35	35
West Plains	5	30	35	5	0	0	5	0	20	20	40	40	30	30	70	70	50	50
Rolla	0	10	15	10	0	0	0	0	15	15	55	55	65	65	90	90	40	40





Flooding Potential Friday Night

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Scattered Strong to Severe Thunderstorms

What

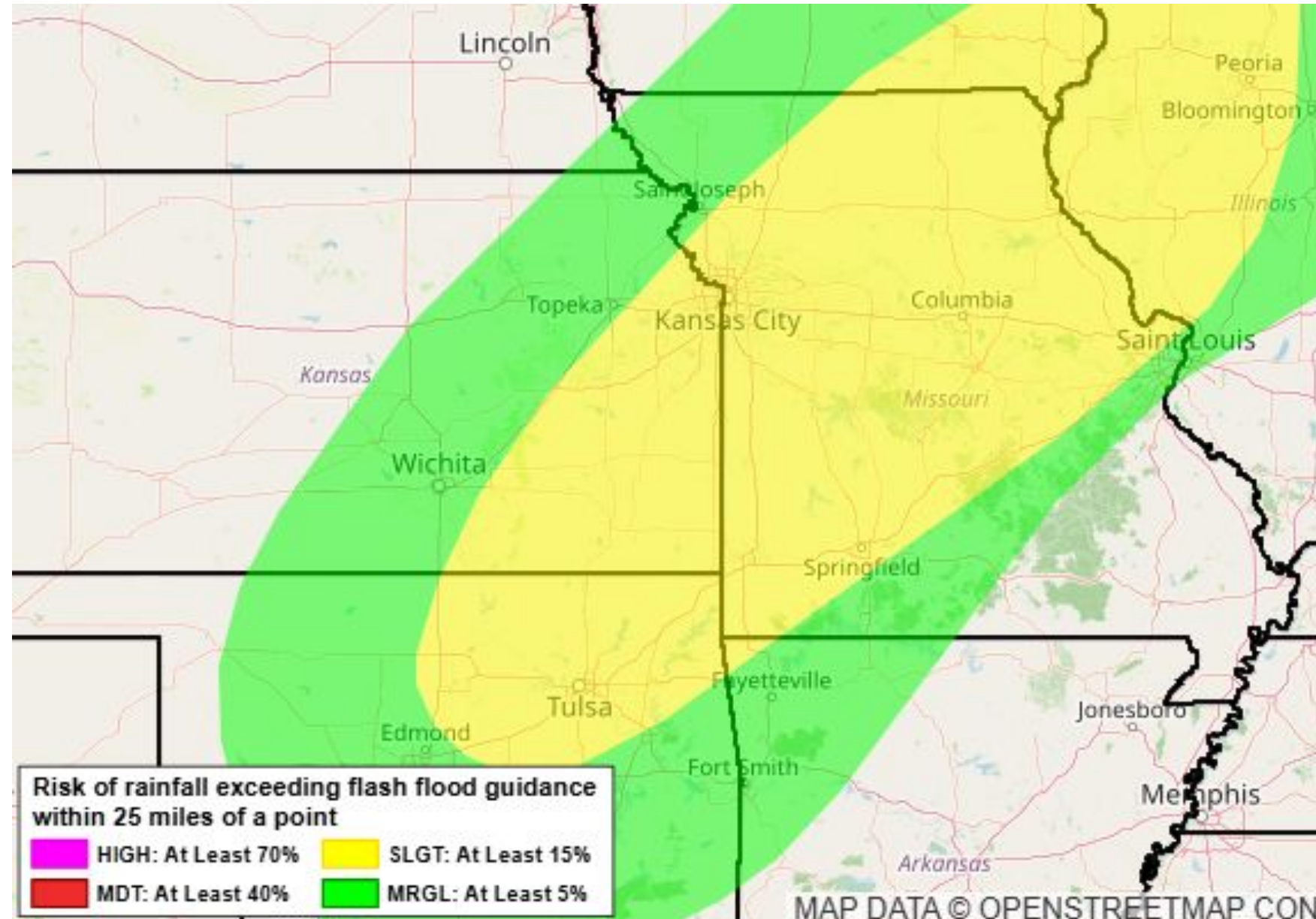
- Additional round of heavy rainfall could lead to flash flooding and river flooding. Pockets of 1-3 inches of additional rainfall.

Where

- The highest chances for additional flooding are generally along and especially northwest of Interstate 44 (locations that saw heavy rainfall Wednesday night).

When

- Friday evening into the overnight hours.

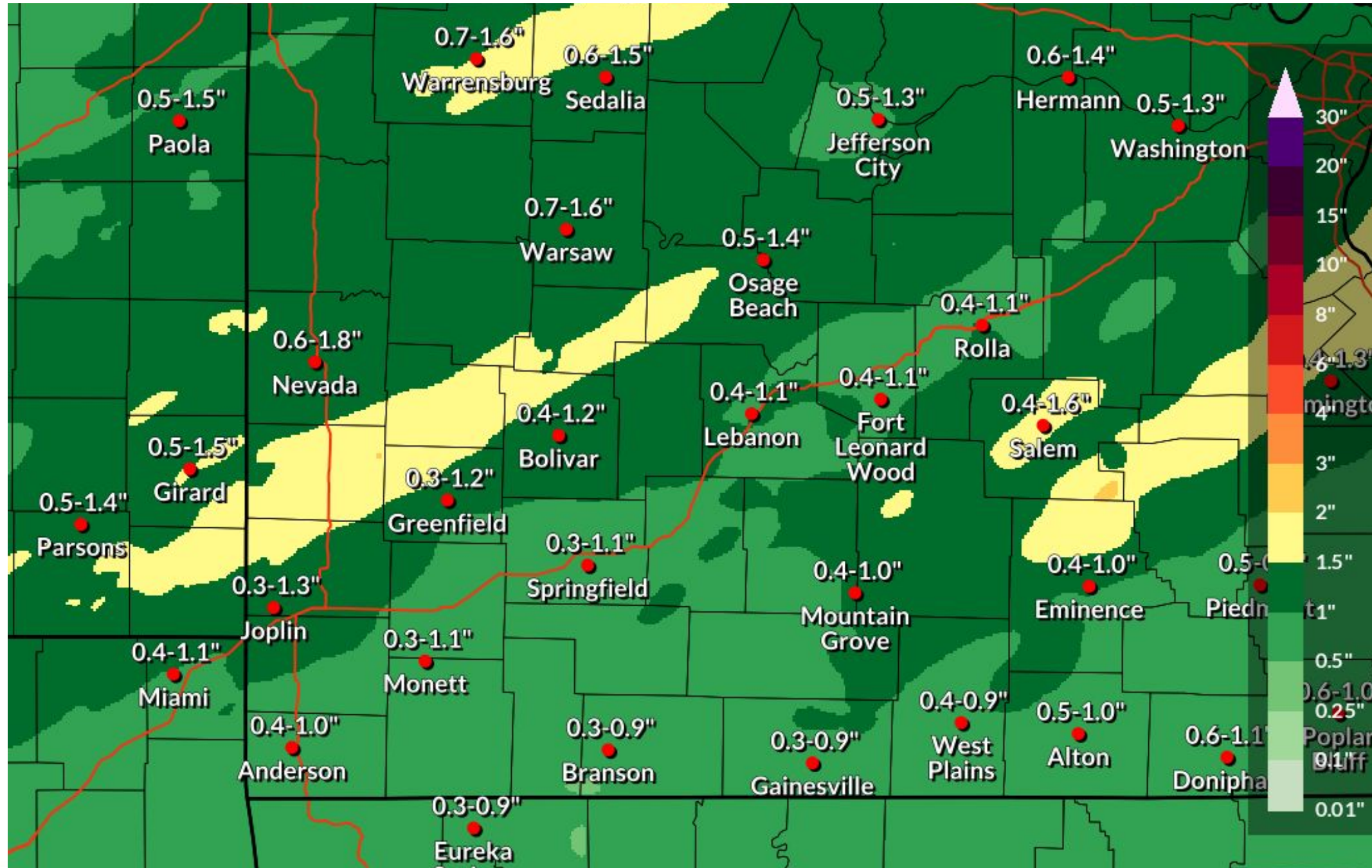




Forecast Rainfall Amounts

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6:01 AM

Today Through 7pm Saturday





Confidence

Strong to Severe Thunderstorms



Timing



Flooding



Confidence Details

- Confidence is high for the potential of severe storms Friday night. The exact hazards will depend on if storms begin as supercells or a squall line.
- There is lower confidence with the number of storms that occur today east of Springfield.
- High rainfall rates and saturated soils could lead to additional flooding concerns Friday night.



For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [SPC Convective Outlooks](#)
- [Probabilistic QPF Experiment Webpage](#)
- [WPC Excessive Rainfall Outlooks](#)
- [WPC Precipitation Outlooks](#)
- [National Water Prediction Service](#)
- [Submit Storm Reports](#)

Thunderstorms can escalate quickly.

Clear skies can quickly turn dark and ominous, whether due to pop-up thunderstorms or squall lines. Be prepared!



Set up a way to get weather warnings on your phone



When alerted to a storm, get inside a sturdy building immediately



Stay away from windows once indoors



If a building isn't nearby, get inside a vehicle



weather.gov



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