



Severe Thunderstorms and Flooding

April 26, 2024
12:04 PM

Friday - Sunday

Key Messages

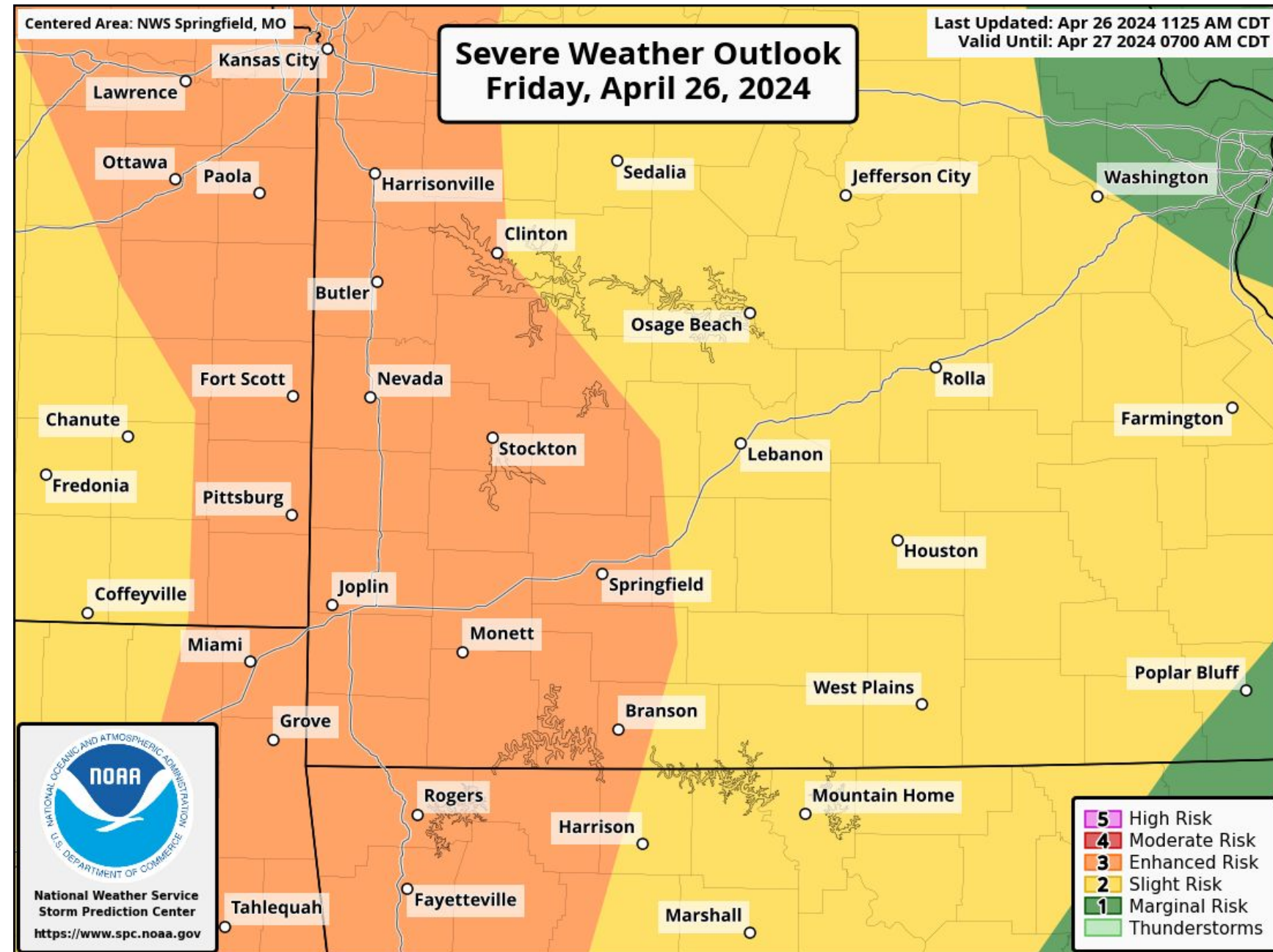
- Another round of strong to severe thunderstorms will occur Friday afternoon and evening. Areas along and west of Highway 65 are most likely to experience severe thunderstorms. Hazards include large hail, damaging winds and tornadoes.
- Saturday night through Sunday will bring additional strong to severe thunderstorms.
- Localized flooding through the weekend as multiple rounds of rainfall occur across the region

NEW Important Updates

- Enhanced Risk now in western Missouri and southeast Kansas for

Next Scheduled Briefing

- Saturday Morning



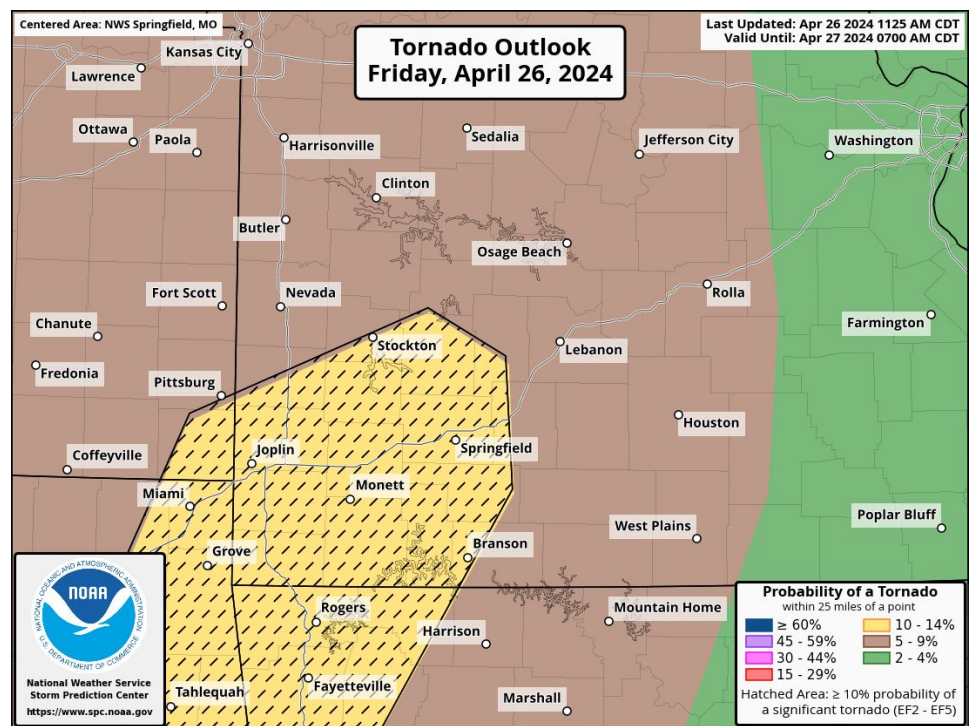
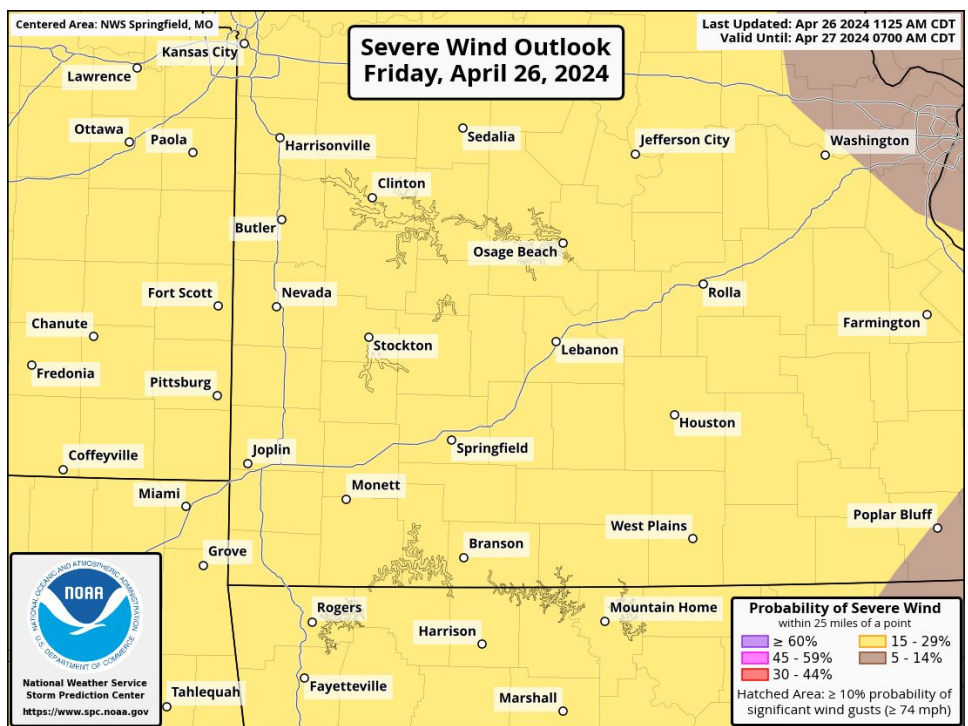
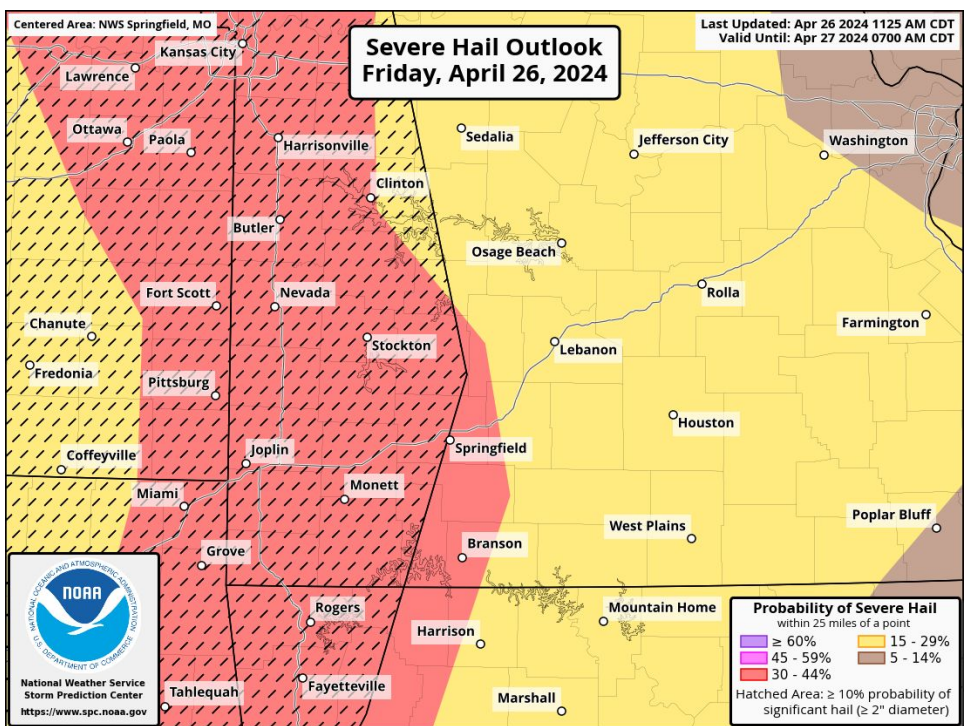


Friday Severe Hazards

April 26, 2024
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Timing: Afternoon and Evening

If enough heating occurs this afternoon, then storms could produce:



Hail Probability



Large Hail to the Size of Tennis Balls

Wind Probability



Damaging wind gusts

Tornado Probability



A Few Tornadoes



Rain and Storm Chance Timeline

April 26, 2024
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Severe thunderstorm chances Friday Afternoon and Saturday Night - Sunday



Rain Chances in Green
Severe Chances in Yellow Box Outline



Rainfall Forecast

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Through 7 AM Saturday

What

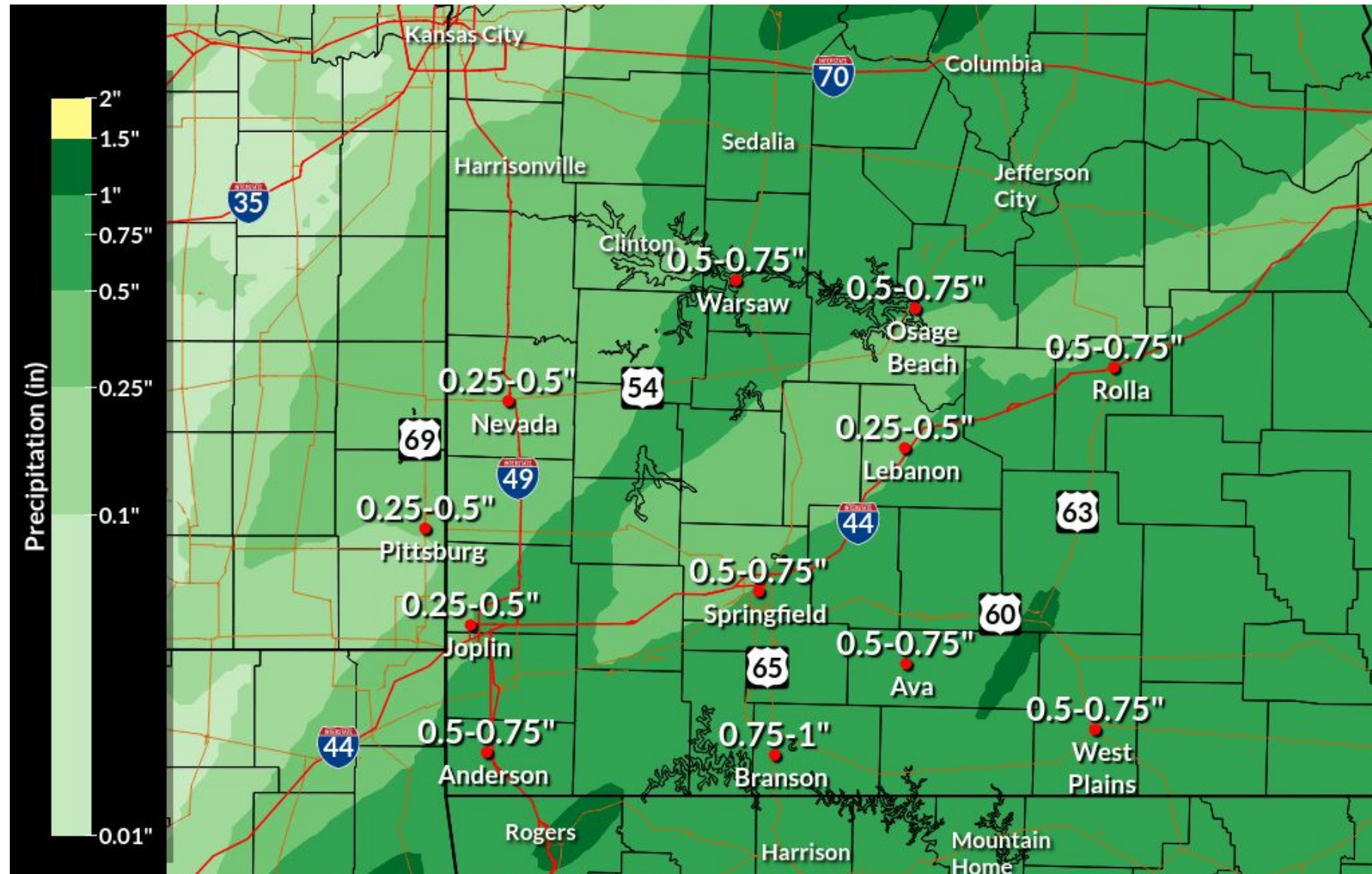
- Widespread rainfall is expected with localized pockets up to 2 inches. This could produce localized flooding.

Where

- The entire area will see rainfall however the highest chances for flooding will occur in areas that saw heavy rainfall Thursday and Friday morning.

When

- Through 7 AM Saturday



Now - 7 AM Saturday Rain Forecast



Saturday Night Severe Outlook

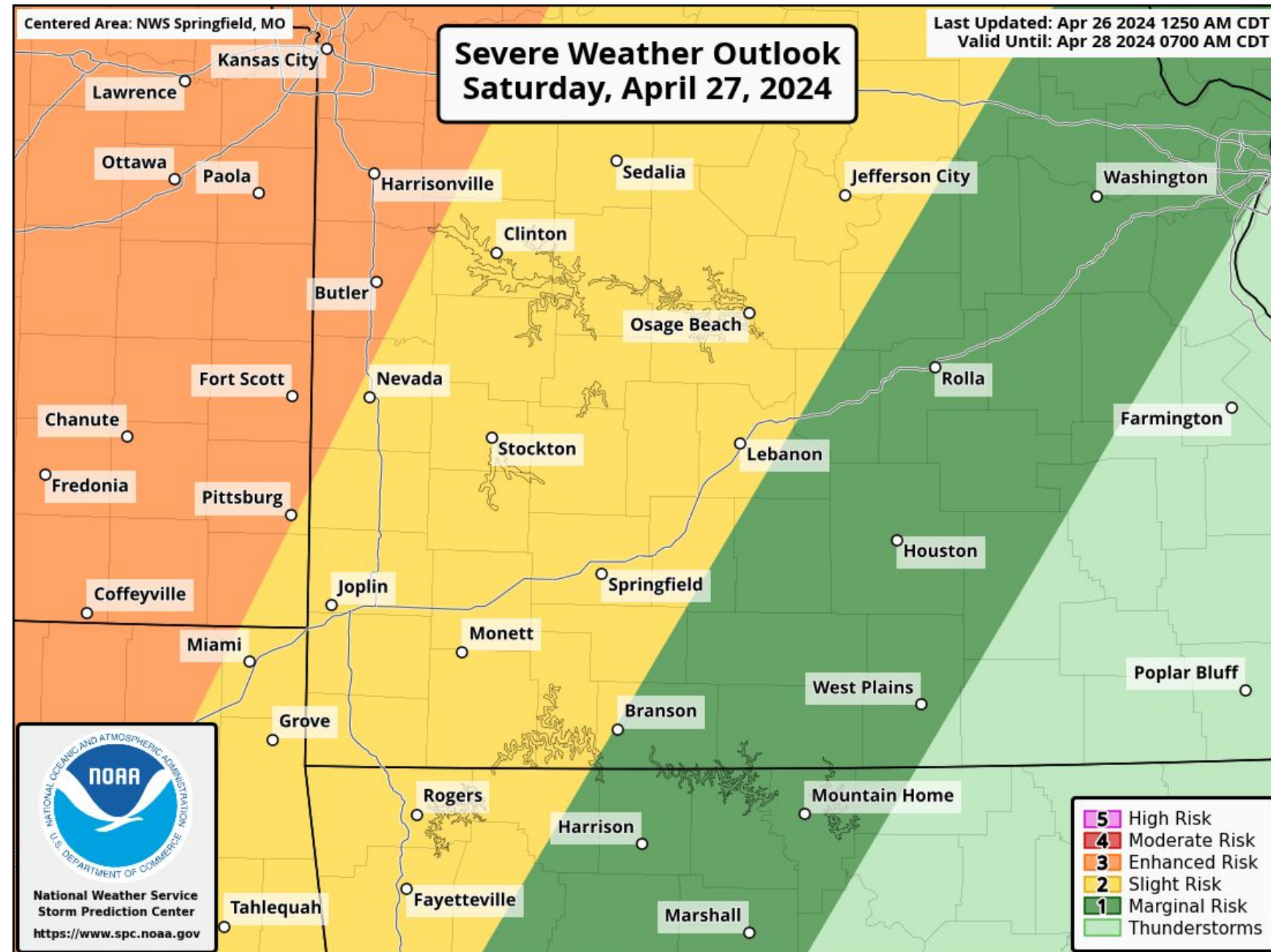
April 26, 2024
12:04 PM

What

→ The highest potential for severe storms Saturday will be west of the area. Storms that are able to move in from the west could produce large hail, damaging winds and tornadoes.

When

→ Severe storms will move into the area from the west during the evening and last into the overnight hours.



⚠ Hazards



Large Hail to the Size of Golf Balls



Damaging wind gusts



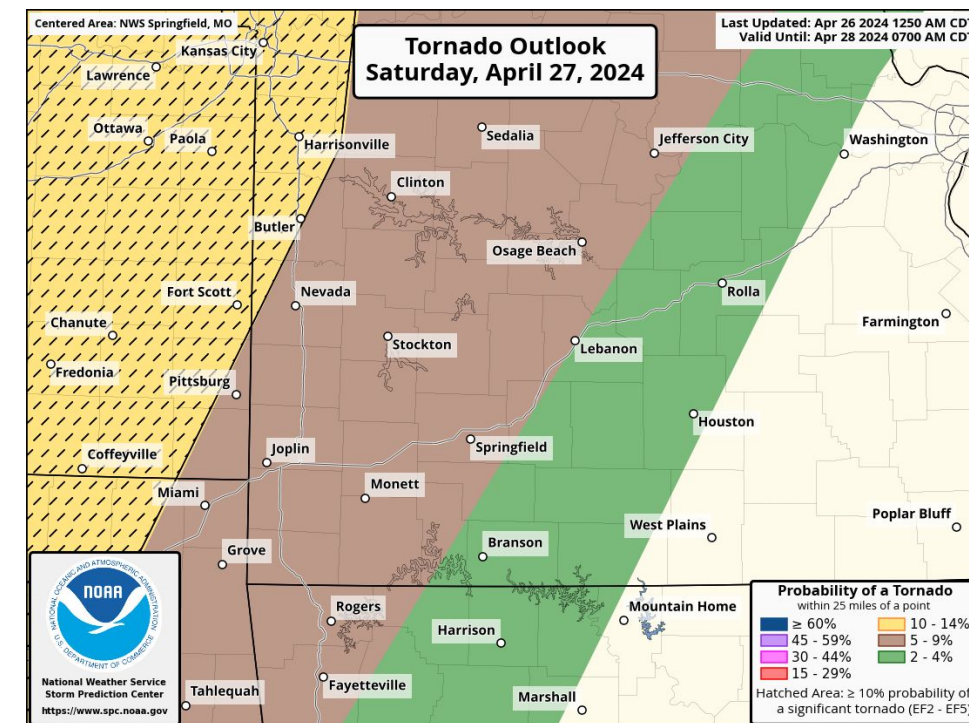
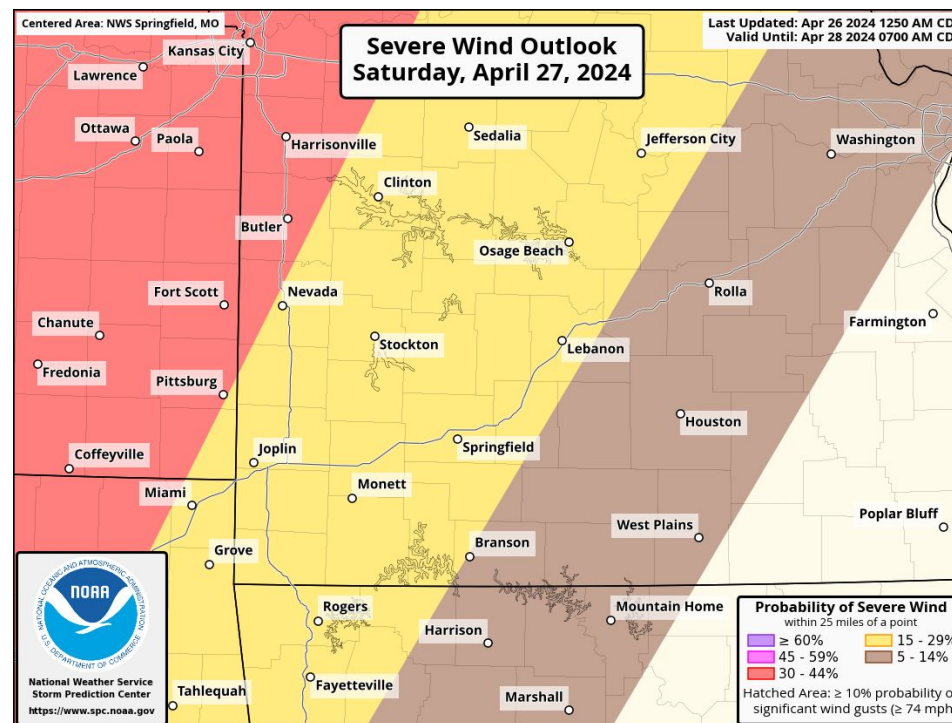
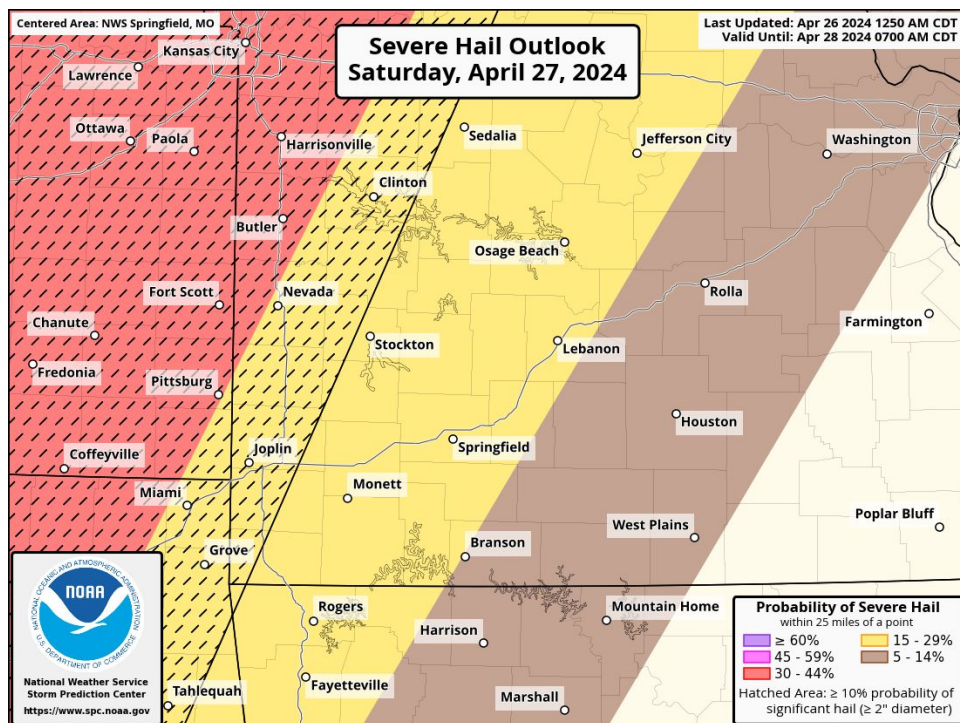
A Few Tornadoes



Saturday Night Severe Hazards

April 26, 2024
12:04 PM

Timing: Saturday evening - Sunday morning



Hail Probability



Large Hail to the Size of Golf Balls

Wind Probability



Damaging wind gusts up to 70 mph

Tornado Probability



Tornadoes (Highest chances across southeast Kansas)

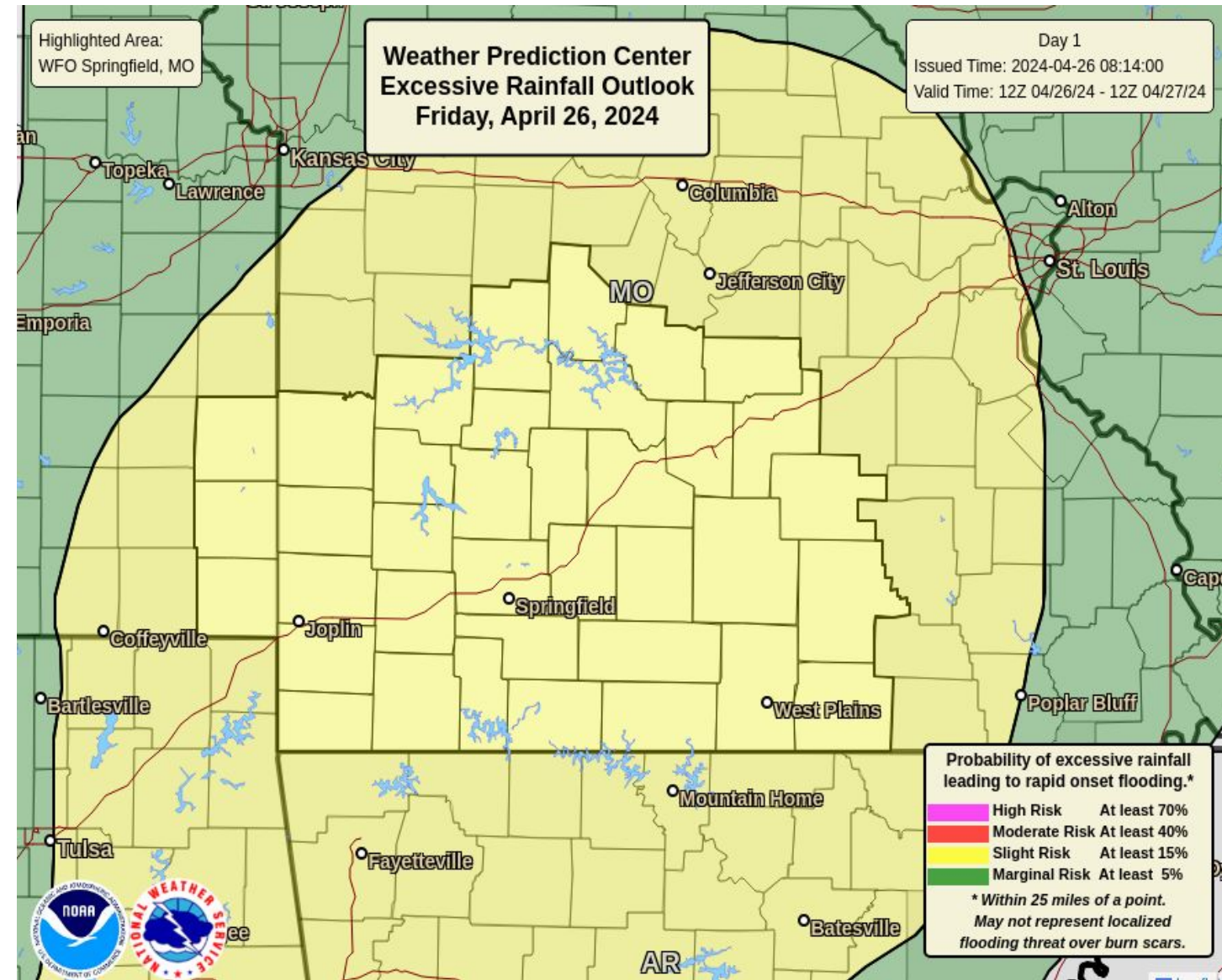




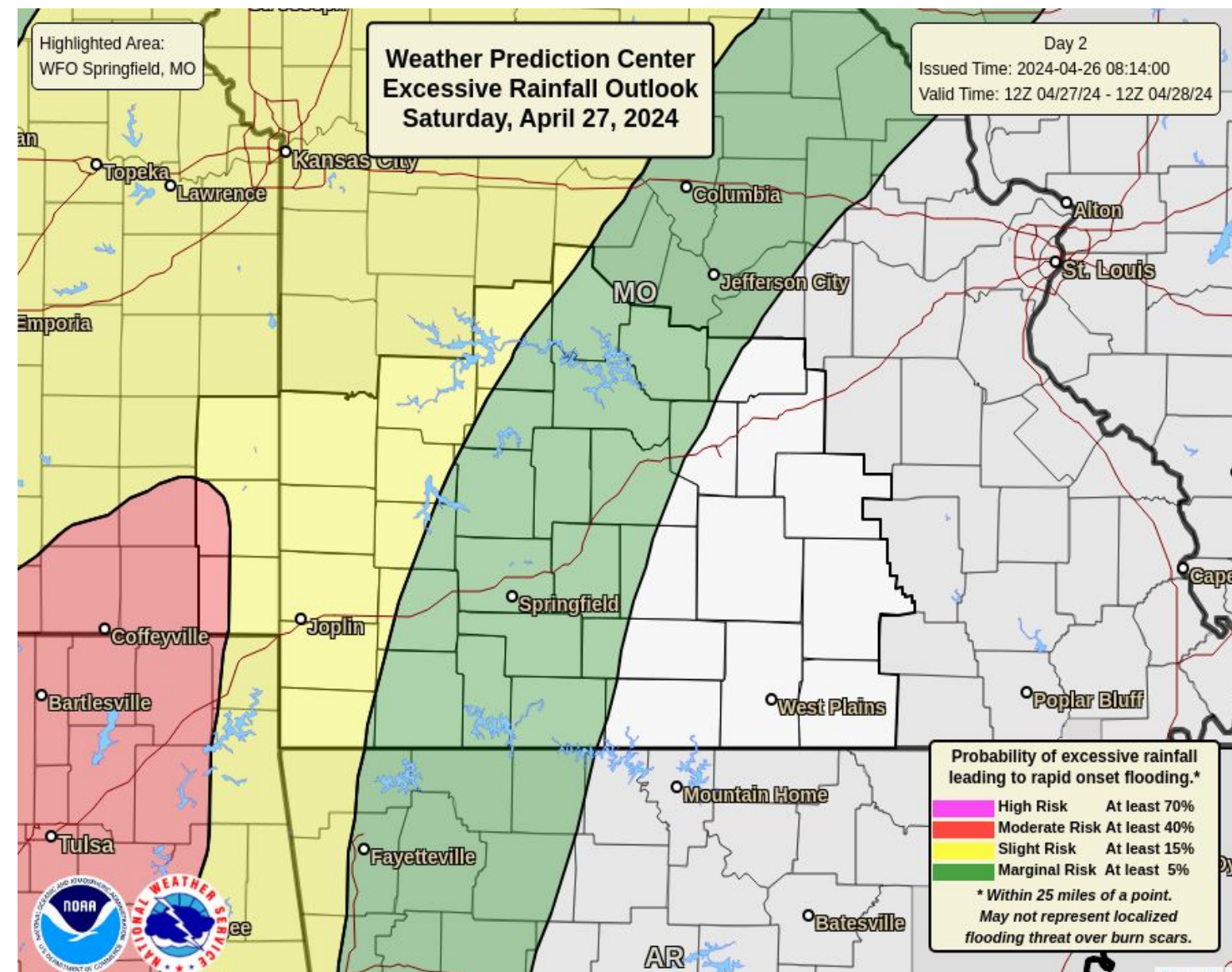
Friday and Saturday Flood Outlook

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Slight Risk for excessive rainfall



Friday Flood Outlook



Saturday Flood Outlook



Rain Totals Saturday Night - Sunday

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Flooding Threat Increasing

What

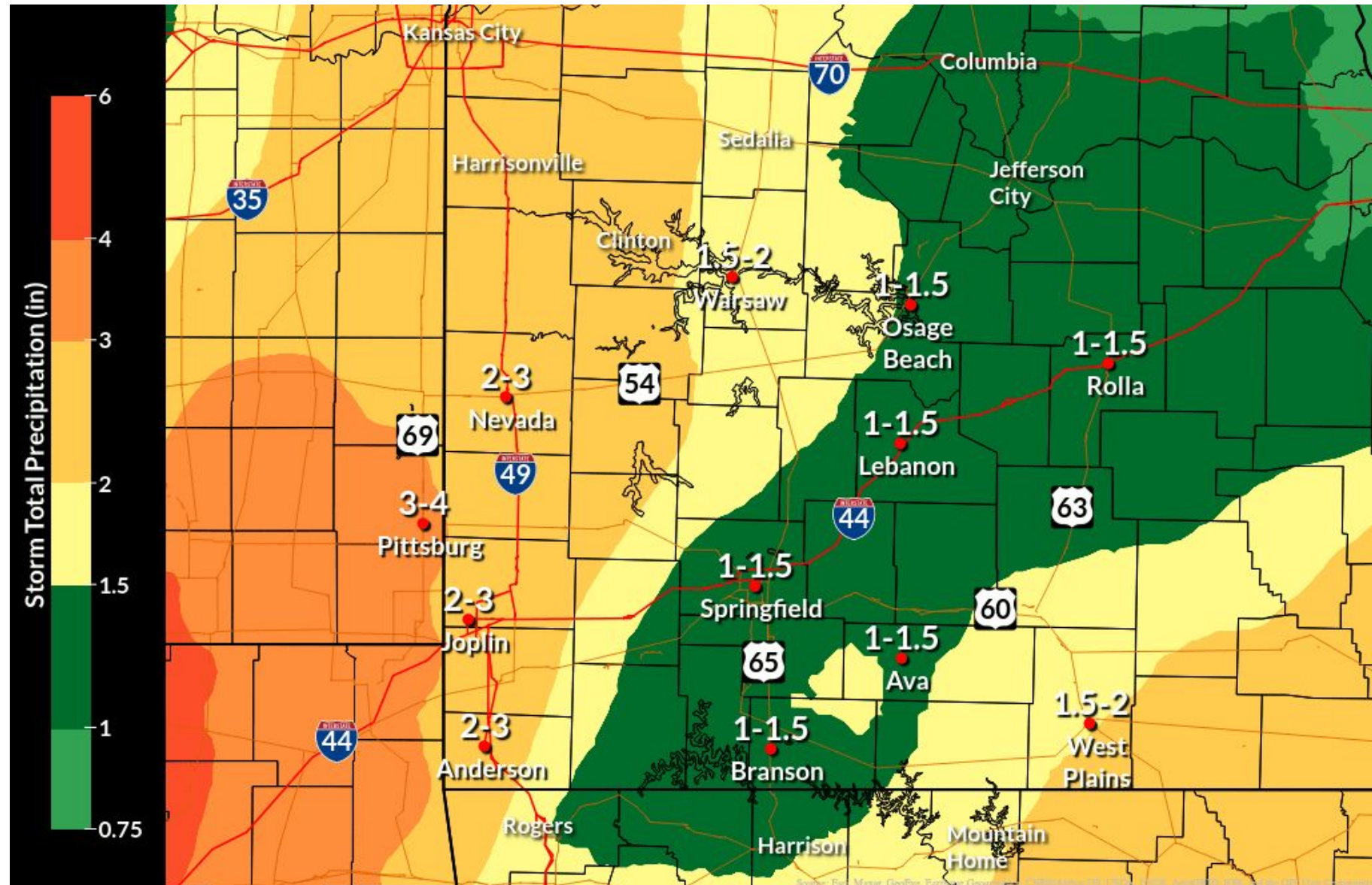
- Widespread rainfall is expected with localized pockets of 3-4 inches. This will lead to flash flooding in areas that already have seen heavy rainfall.

Where

- Highest rainfall totals expected across southeast Kansas and western Missouri.

When

- Saturday Night through Sunday.



Additional Rainfall Saturday Night - Sunday



Sunday's Severe Outlook

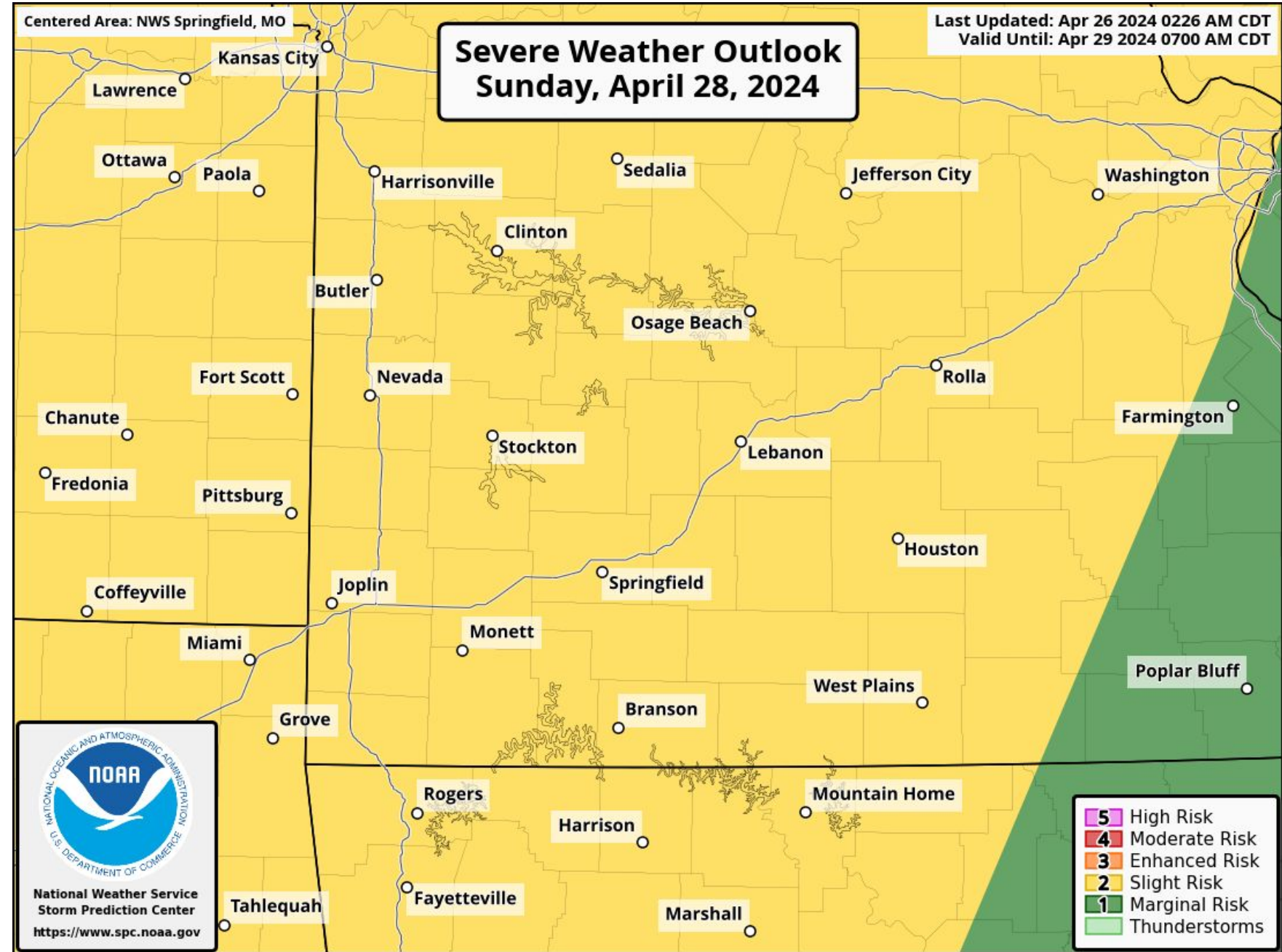
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12:04 PM

What

→ The entire area has a risk for large hail, damaging winds and tornadoes on Sunday.

When

→ Severe storms could be ongoing during the morning with additional development during the afternoon if enough heating develops behind the morning storms.



Hazards



Large Hail



Damaging
wind gusts



A Few
Tornadoes





Sunday Flood Potential

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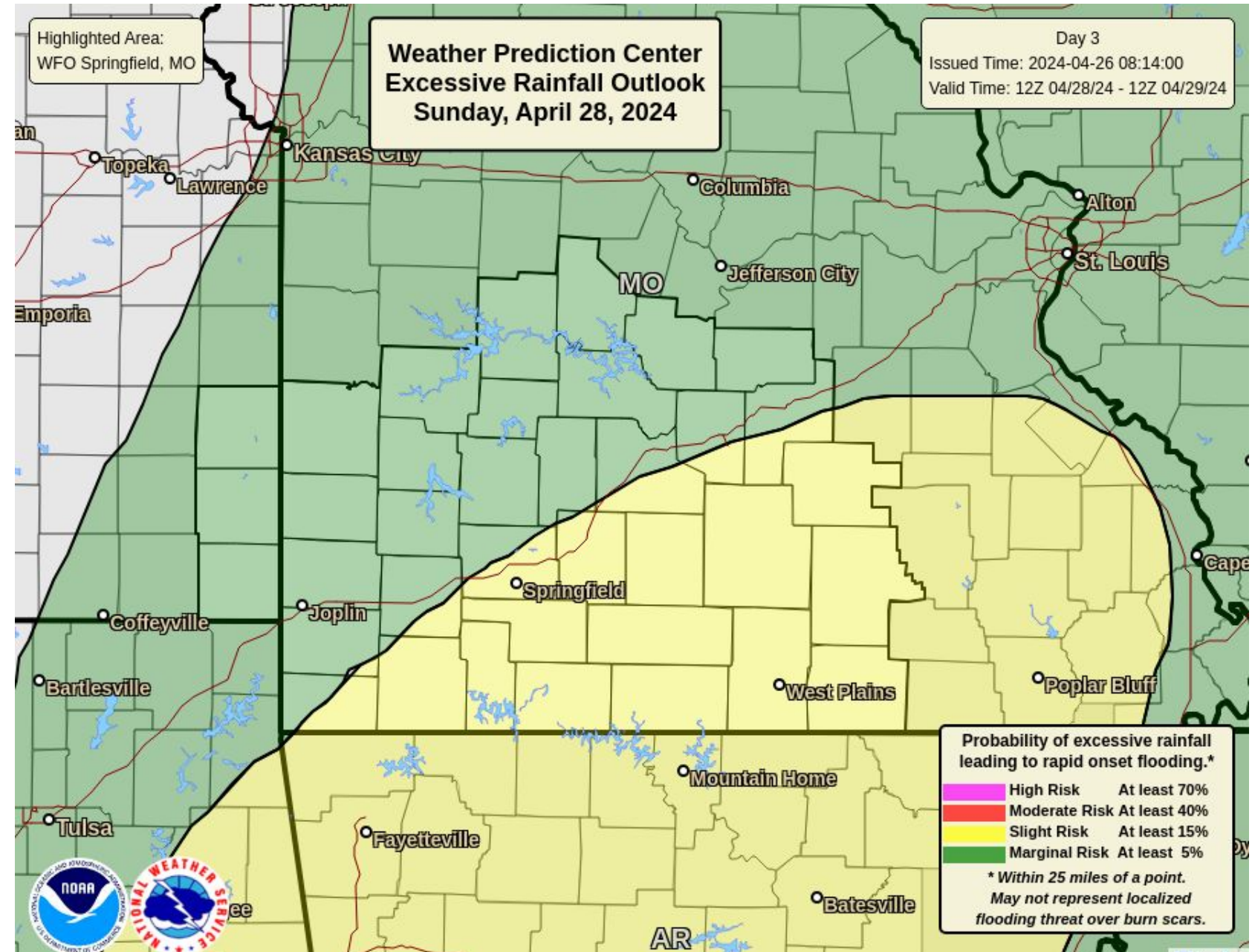
Widespread Rainfall

What/Where

- Slight risk of excessive rainfall/flooding across southern Missouri.
- Widespread showers and thunderstorms are expected and the ground will be saturated in some areas.

When

- Showers and storms will occur through much of Sunday with storms ongoing in the morning. Flooding will be possible during the day.





Severe and Flood Confidence Levels

April 26, 2024
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Overall Severe Threat Evolution



Significant Severe Potential Sat Night



Flooding Threat Sat Night



Rises on area creeks/rivers



Confidence Details

→ Confidence is on the increase that severe thunderstorms and flash flooding will be a concern with the Saturday night through Sunday round, especially across southeast Kansas and western Missouri.

Alternate Scenarios

→ If thunderstorms continue to move over the same areas then a more significant and widespread flash flood risk would develop by Saturday night and Sunday.



For Additional Information

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

SLIGHT RISK

Scattered severe storms possible.

Short-lived and not widespread -- isolated intense storms possible.

Plan ahead if you have outdoor plans and have a way to get NWS warnings.

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