

Today's Severe Storm Outlook

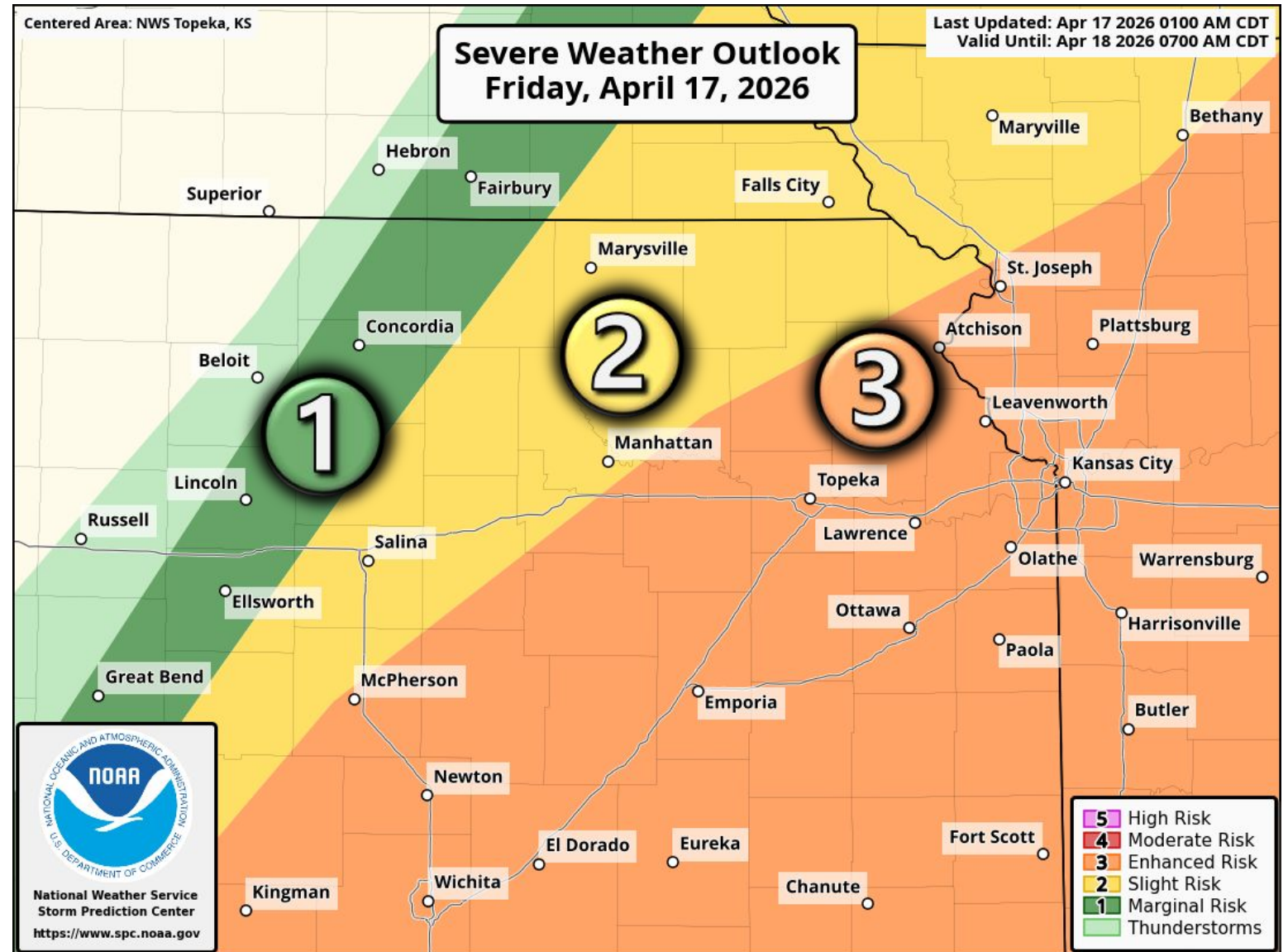
April 17, 2026
4:25 AM CDT

Key Messages:

- **What:** Threat for several strong to severe thunderstorms, quickly growing into a line.
- **Where:** All of eastern and north-eastern Kansas.
- **When:** Development between 2-4 PM, with storms continuing through the afternoon and into the early evening.
- **Hazards:** Large hail and a tornado or two with initial storms, becoming more of a damaging wind threat into the evening as a line of storms forms. A few tornadoes could also occur within the line. Flash flooding is possible with heavy rain (see pg. 4).

Severe Storm Confidence:

- Confidence is fairly high in the timing of storms and in storms transitioning into a line. However, there remains some uncertainty about the exact east/west location of initial thunderstorm development.



What has changed?

- Included timing details ([page 3](#))

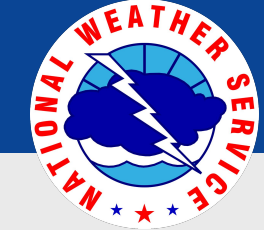


Low

Medium

High

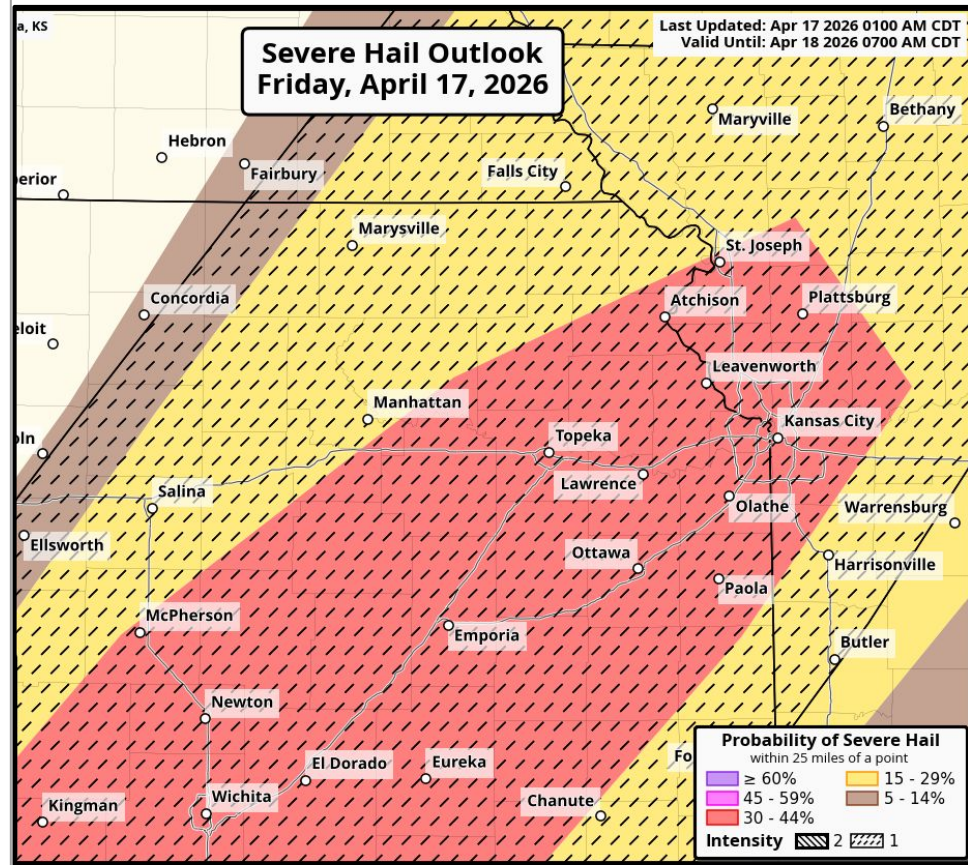




Severe Weather Hazard Type Details

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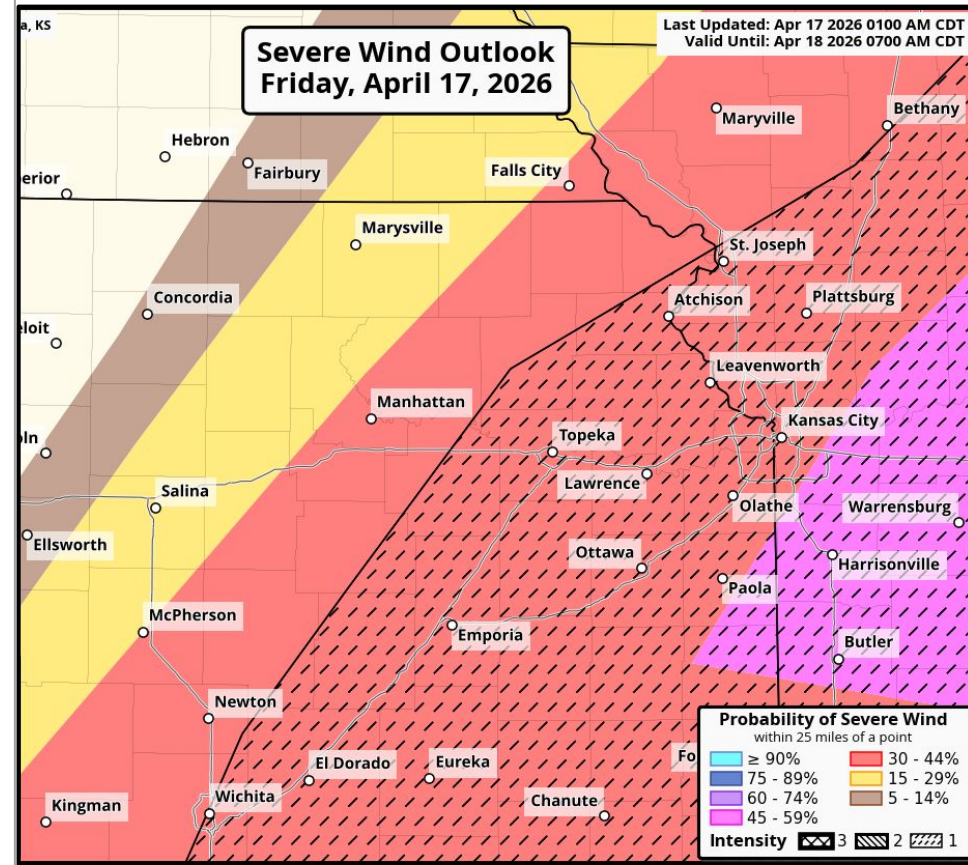
Probability of Large Hail



5% 15% 30% 45% 60%

Hazard: Hail Up to 2-3" in Diameter

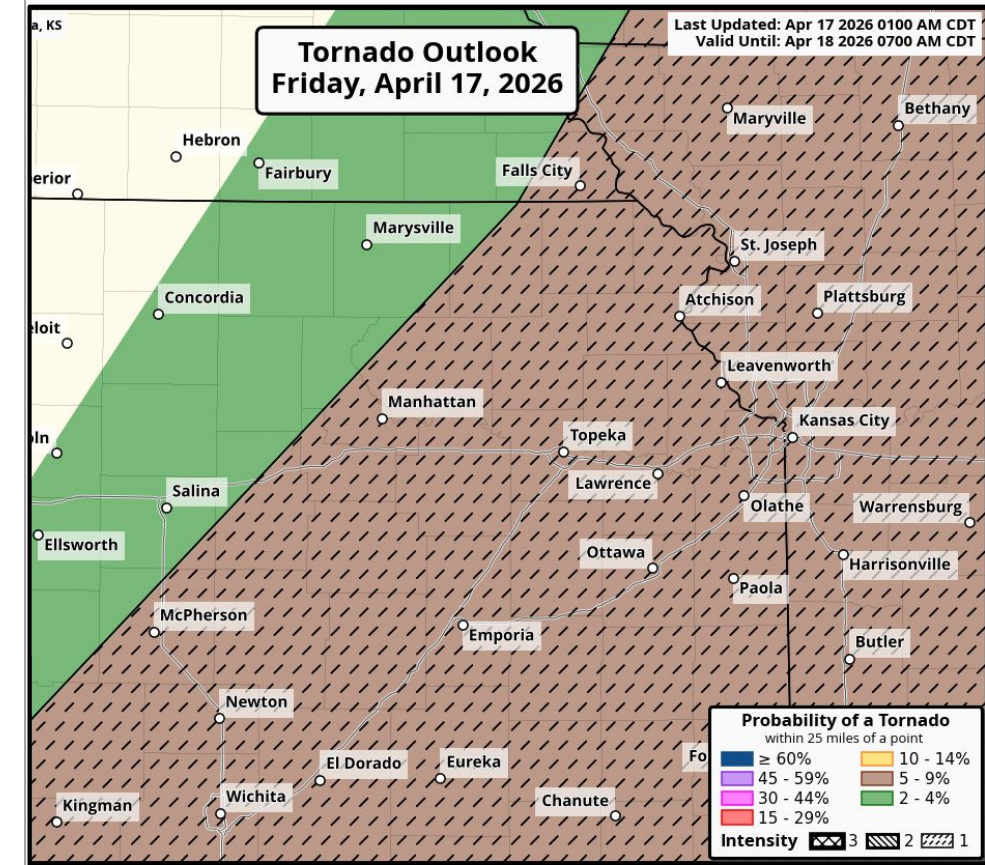
Probability of Damaging Winds



5% 15% 30% 45% 60%

Hazard: 60-80 MPH Gusts

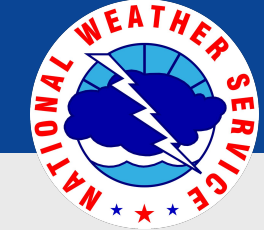
Probability of Tornado



2% 5% 10% 15% 30% 45%

Hazard: A Tornado or Two Possible



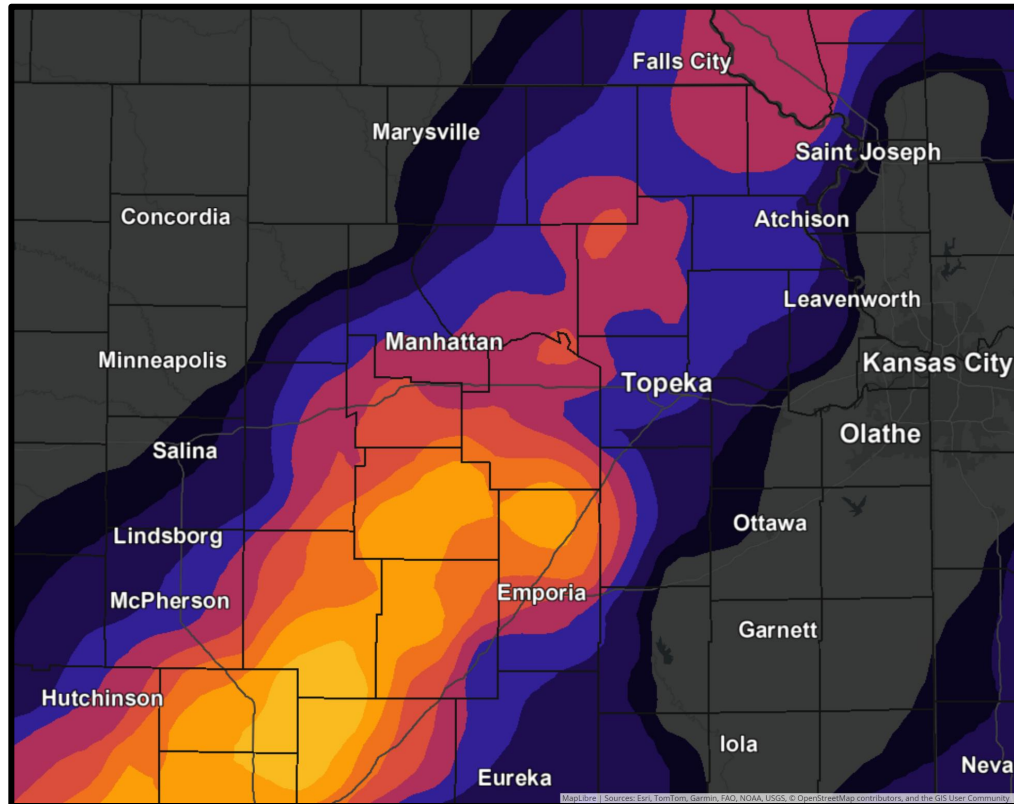


Storm Timing Details

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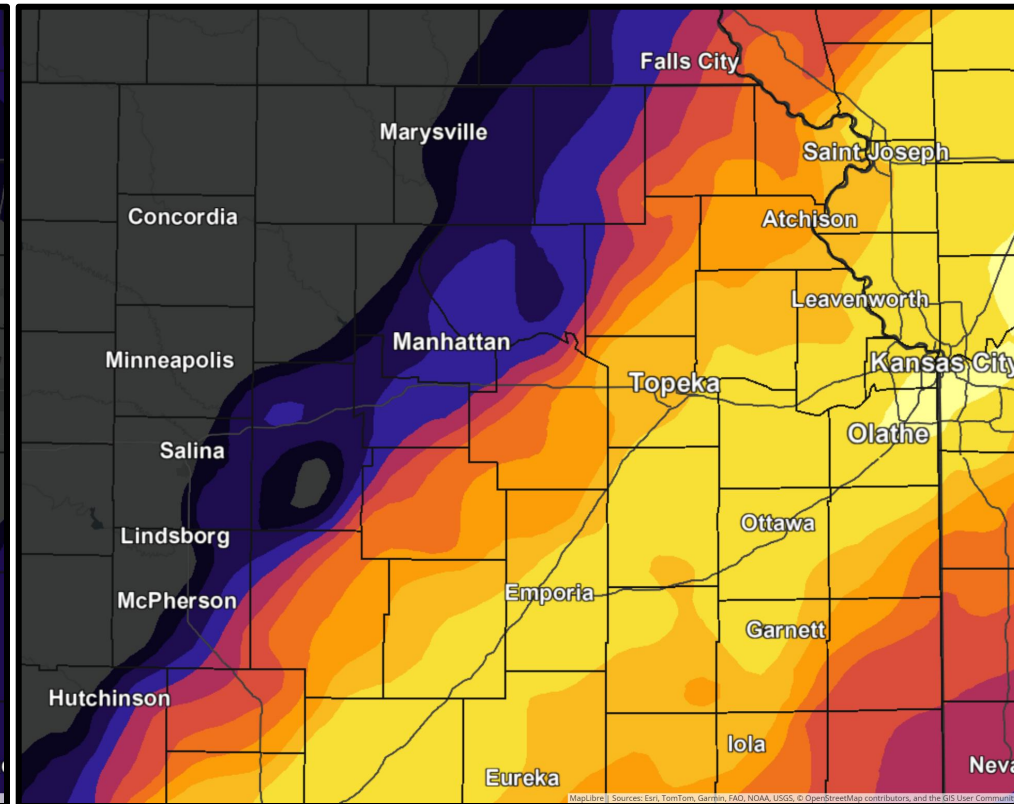
Images below show the probability of thunderstorms during each time range.

2-4 PM



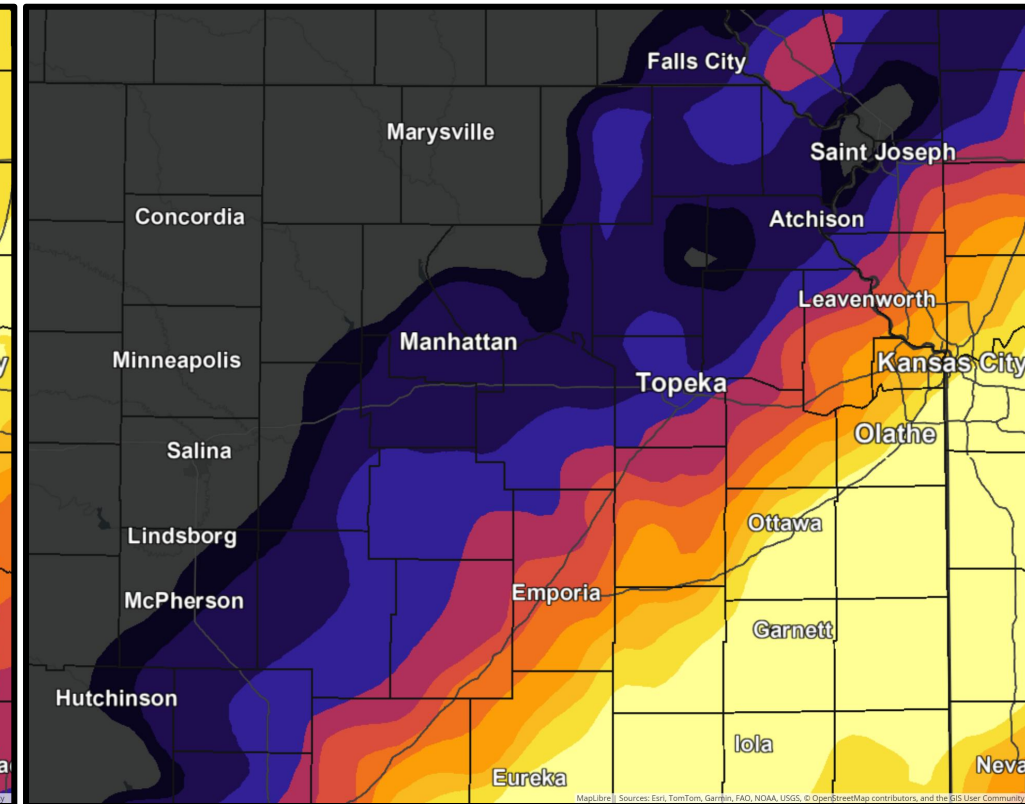
Storms develop along the cold front, quickly become strong to severe.
Hazards: Large hail, damaging winds, and a tornado or two

4-6 PM

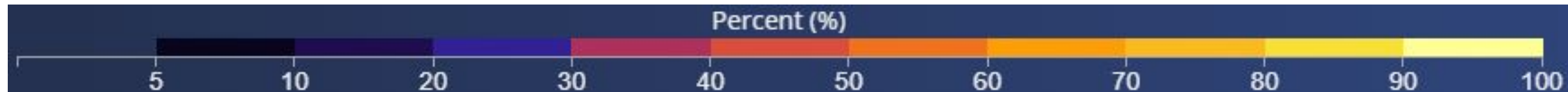


Storms rapidly increase in coverage and become a line of storms.
Hazards: Damaging winds and embedded tornadoes possible

6-8 PM



Storms push east-southeast and exit the area this evening.
Hazards: Damaging winds and heavy rainfall



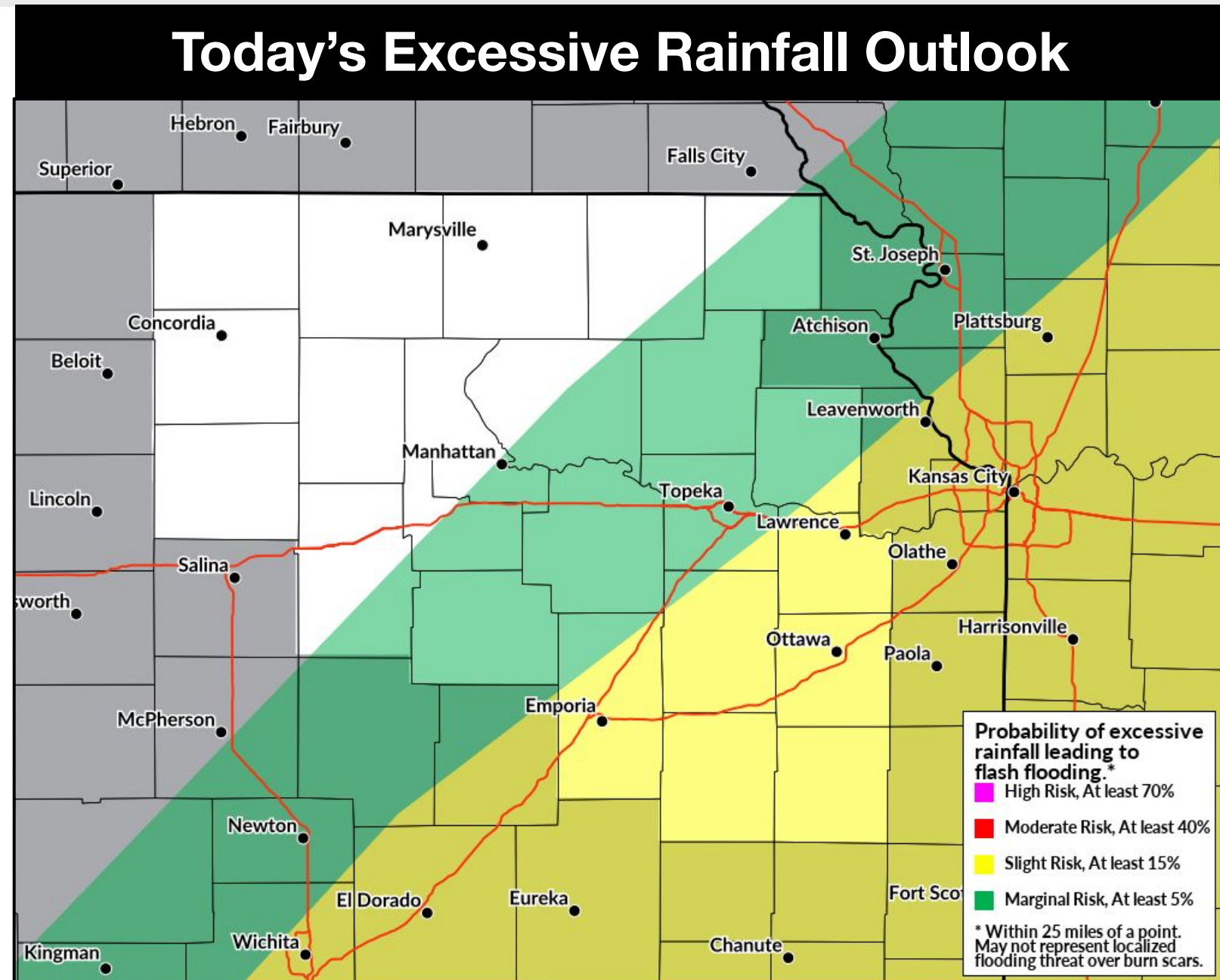


Today's Excessive Rainfall Outlook

April 17, 2026
4:25 AM CDT

Key Messages:

- **What:** Threat for excessive rainfall with 1-3" per hour rainfall rates, potentially leading to flash flooding.
- **Where:** Primarily across east-central KS (yellow shaded area has highest likelihood of seeing flooding)
- **When:** Afternoon into the evening hours with strong to severe thunderstorms.
- **Hazards:** Heavy rainfall rates could lead to flash flooding, and possibly river flooding, especially if storms move over the same locations repeatedly.





Additional Resources for Severe Weather

Have multiple ways to receive warning information! Remain Weather Aware!

For Additional Information:

- [Latest Radar Imagery](#)
- [Recent Severe Reports](#)
- [Graphical Hazardous Weather Outlook](#)
- [NWS Severe Weather Safety](#)
- [NWS Topeka Webpage](#)
- [IDSS Point Forecasts](#)
- [SPC Convective Outlooks](#)
- [Climate Prediction Center Outlooks](#)
- [Submit Storm Reports](#)
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