

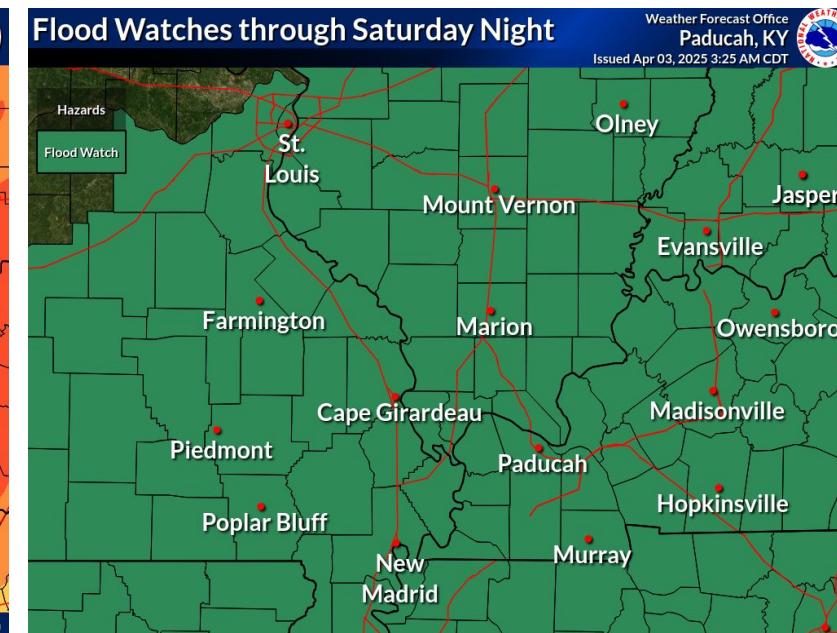
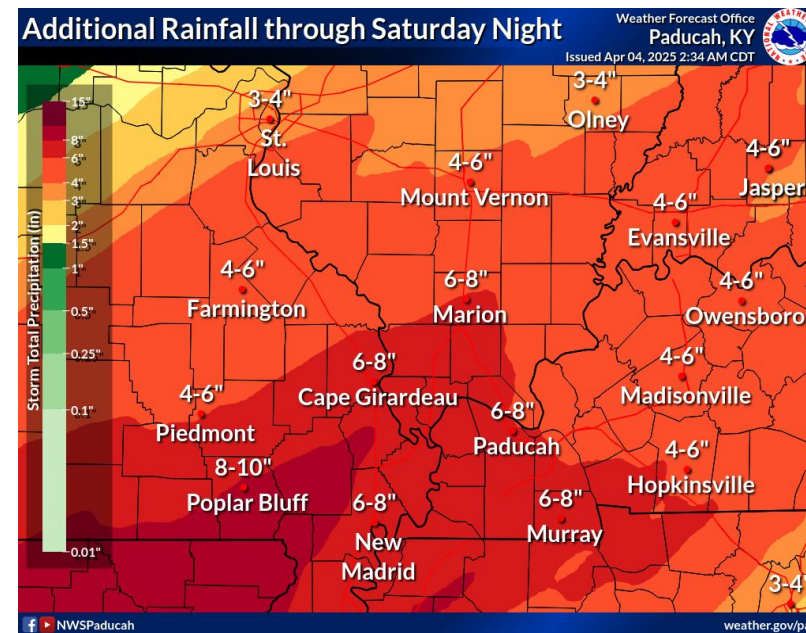
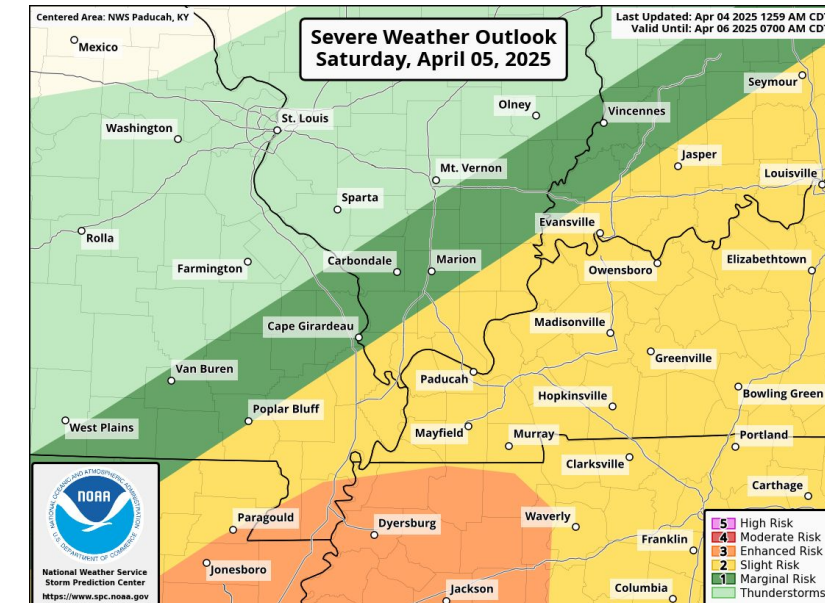
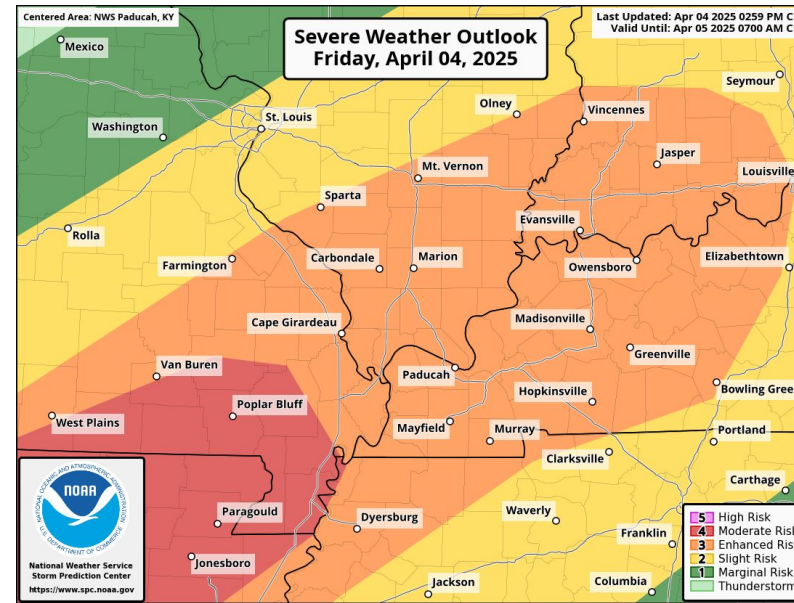
# Rare and Dangerous Weather Pattern Continues

## Dangerous Severe Weather and Potentially Catastrophic Flooding

April 4, 2025  
3:27 PM

### Key Messages:

- A **very active and dangerous weather pattern** will continue into the weekend. The severe weather risk has increased significantly from late this afternoon through tonight across much of the region.
- The entire region is in at least an **Enhanced Risk** (Level 3 of 5) of Severe Thunderstorms late this afternoon into tonight, with portions of southeast Missouri in a **Moderate Risk** (Level 4 of 5).
- A dangerous and historic rainfall event will continue into Saturday night, leading to potentially catastrophic flash flooding.



### What Can You Do?

- Go over your severe weather plans and where to take shelter
- Prepare for heavy rain impacts by clearing drainages, and moving sensitive property
- Have a plan to move to higher ground if needed



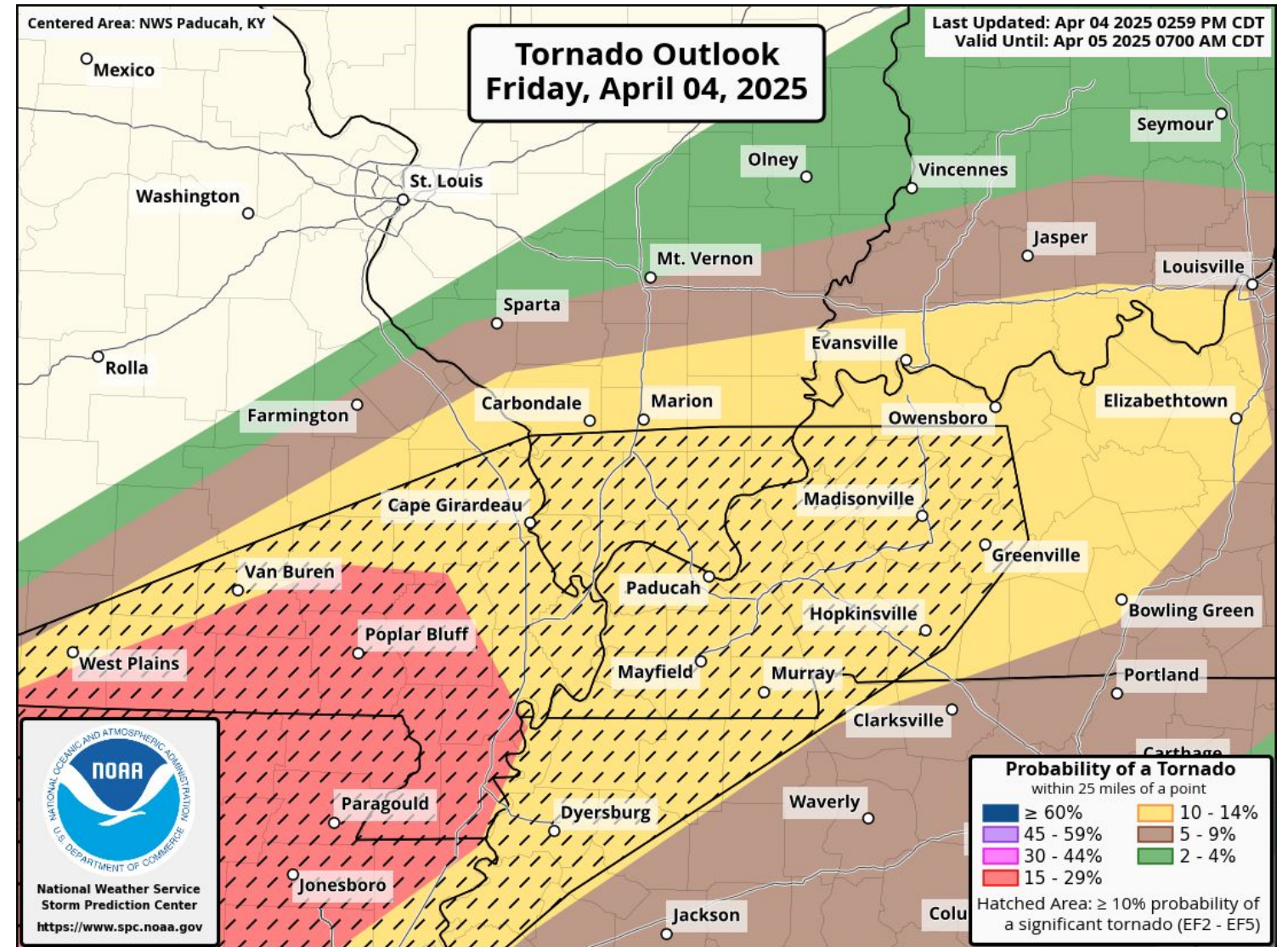
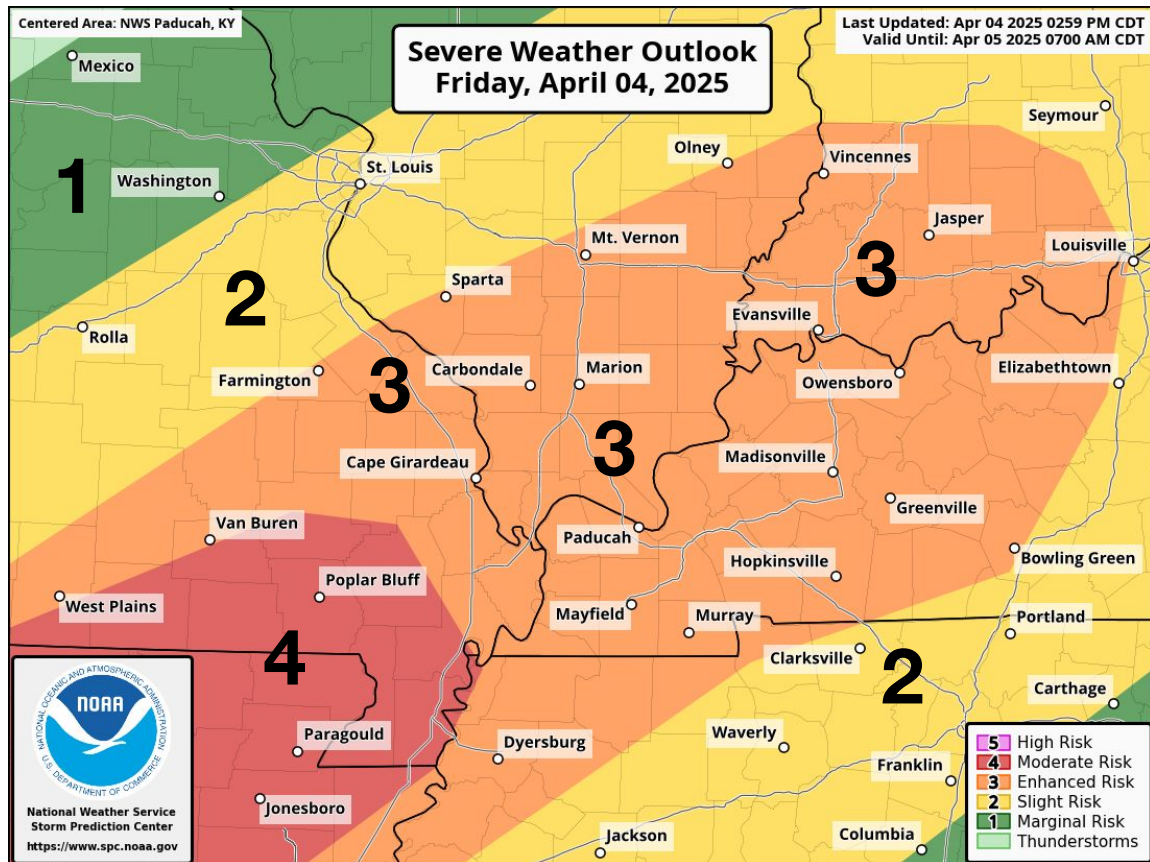




# Higher Severe Thunderstorm Risk This Afternoon Through Tonight

## Level 4 of 5 (Moderate Risk)

- *Another round of scattered severe thunderstorms is expected late this afternoon through tonight.*
- The entire region has been upgraded to either an **Enhanced Risk** or **Moderate Risk** of severe weather.
- All severe weather threats will be possible, including large hail, damaging winds and tornadoes, especially in southeast Missouri.



**Black Hatching Indicates a 10% or Greater Risk of a Significant Tornado**



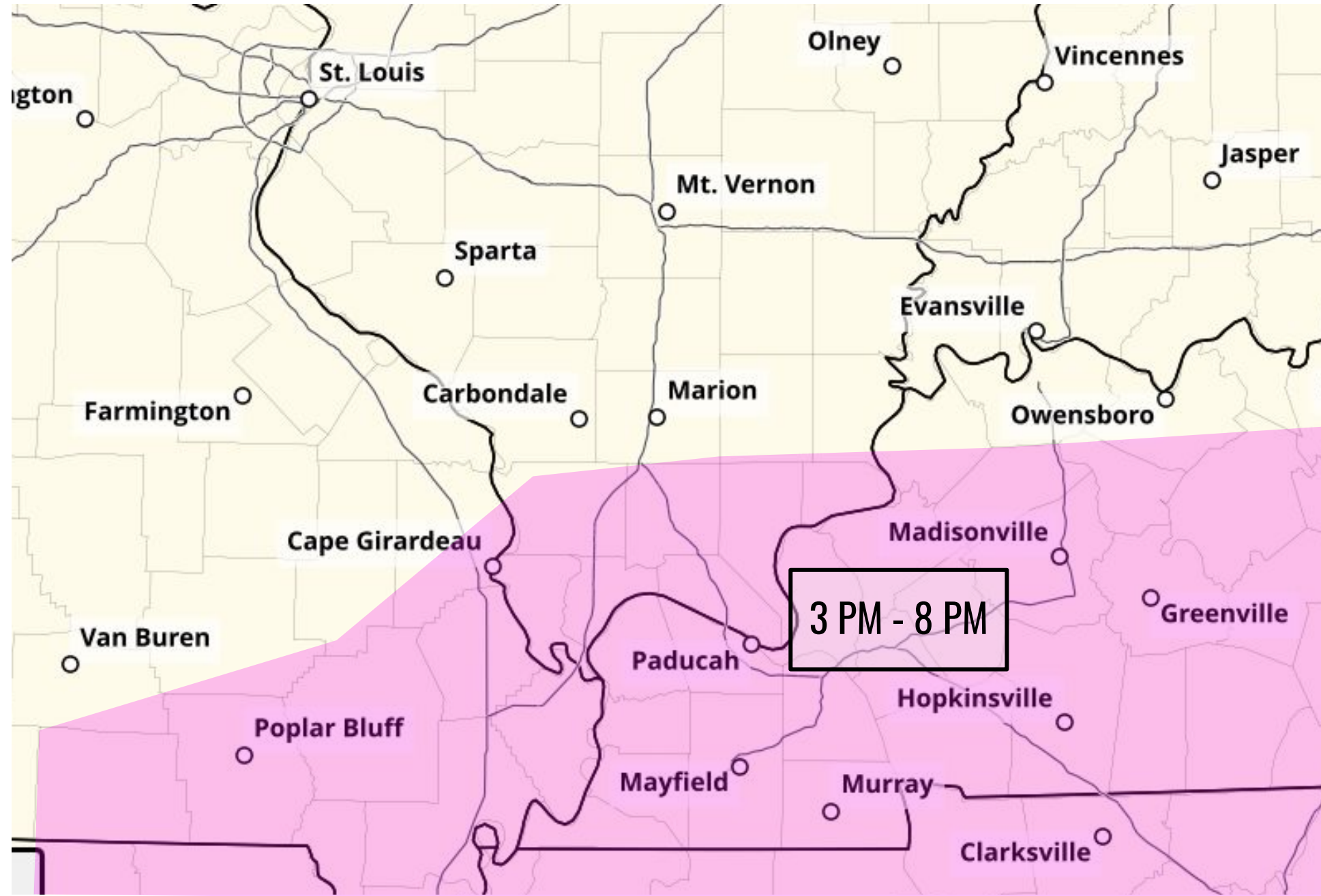




# Severe Thunderstorm Risk This Afternoon & Early Evening

April 4, 2025  
3:27 PM

- **This is estimated timing information for severe thunderstorms this afternoon into early evening**
- Scattered thunderstorms will develop across the region through early evening.
- Damaging winds, largely hail, and tornadoes will all be possible. Strong long-track tornadoes are possible.
- **If a warning is issued for your location, do not wait to take cover until you see the storm!**
- Take cover quickly. The fast movement of the storms will give you little time to take action.

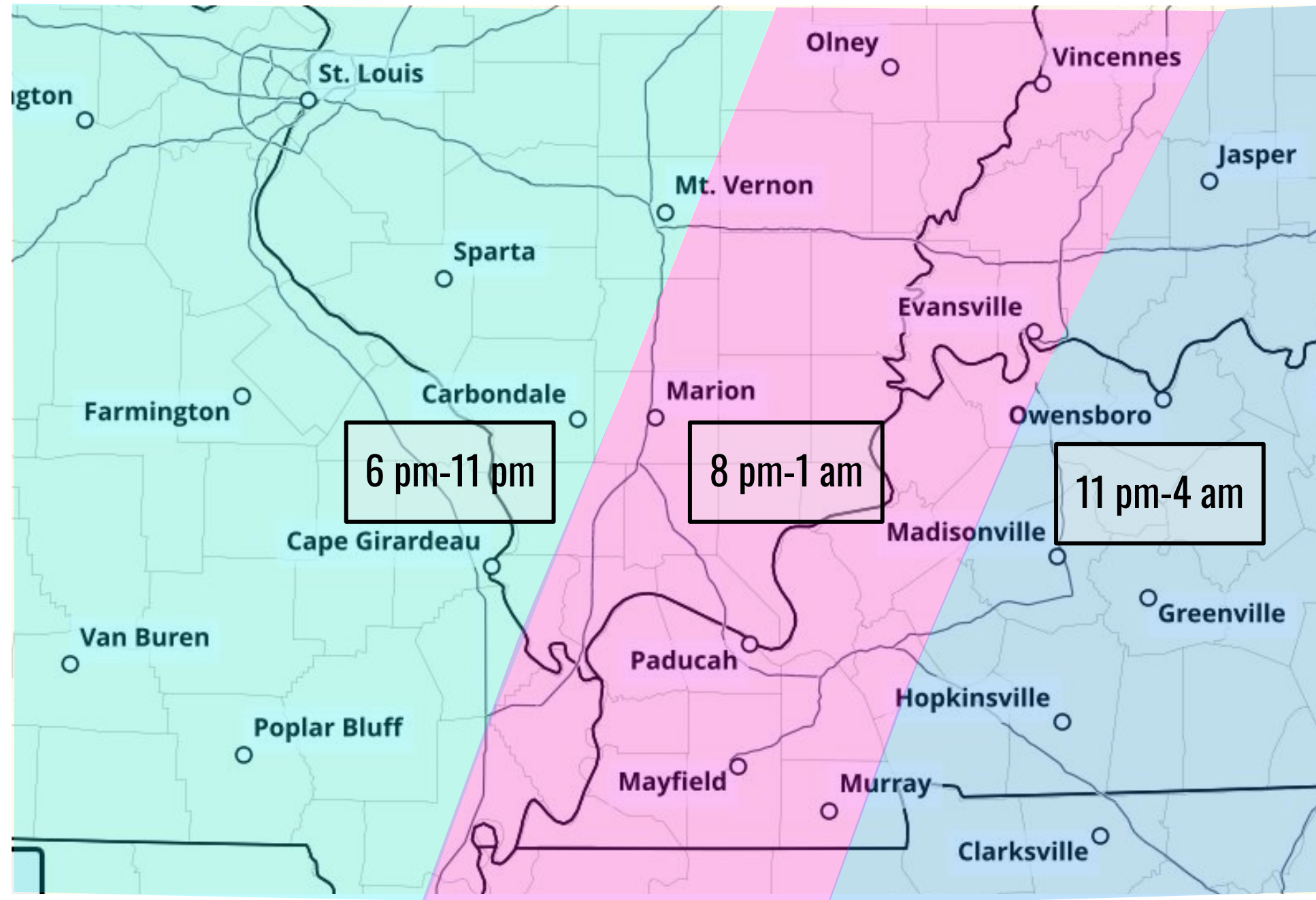




# Severe Thunderstorm Risk Timing This Evening and Tonight

April 4, 2025  
3:27 PM

- This is estimated timing information for severe thunderstorms this evening into tonight.
- This graphic illustrates the most likely time frame for the line of storms to move west to east across the region.
- Damaging winds in excess of 60 to 70 mph and embedded tornadoes are the main hazards with these storms.
- **If a warning is issued for your location, do not wait to take cover until you see the storm!**
- Take cover quickly. The fast movement of the storms will give you little time to take action.





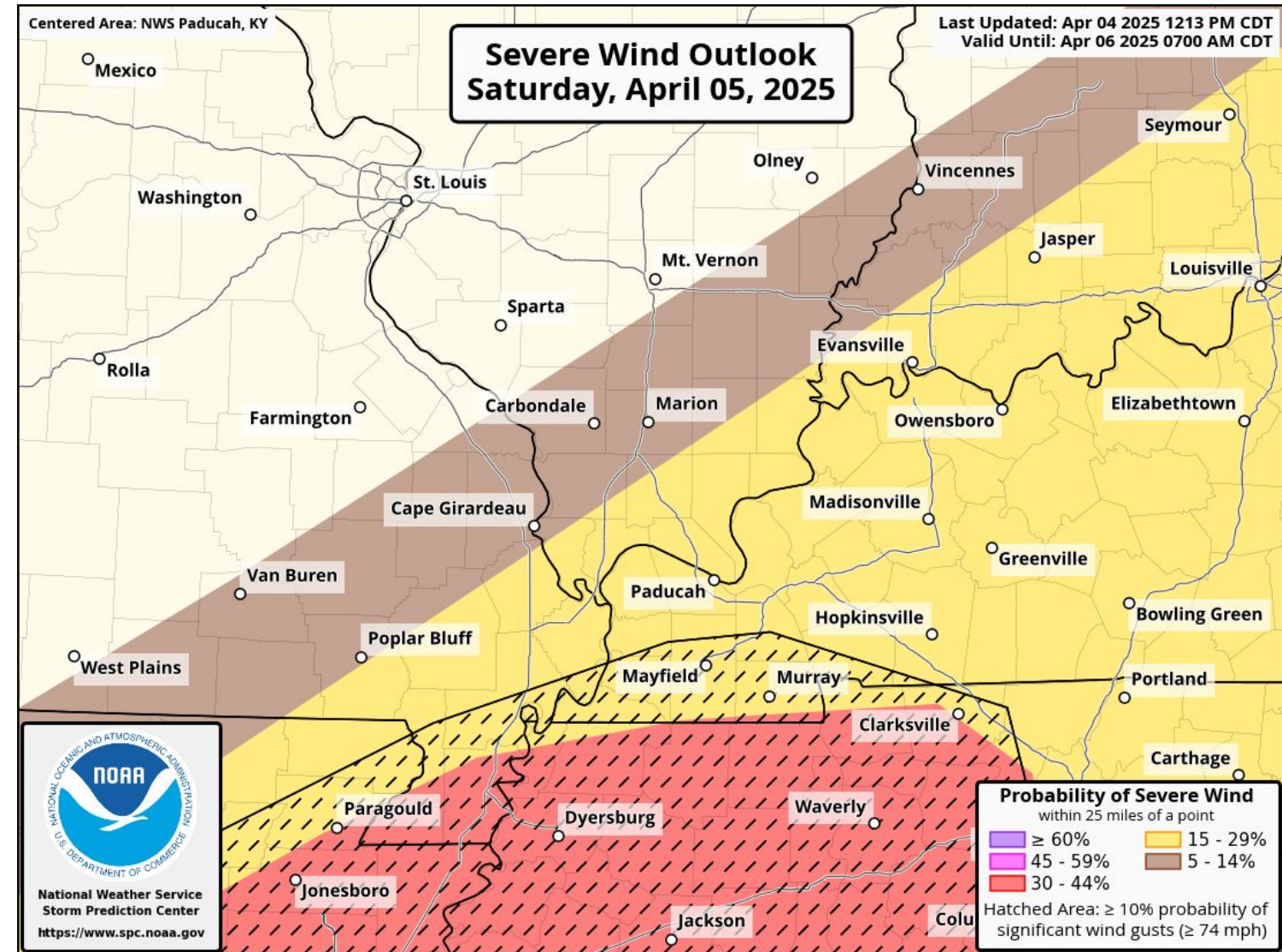
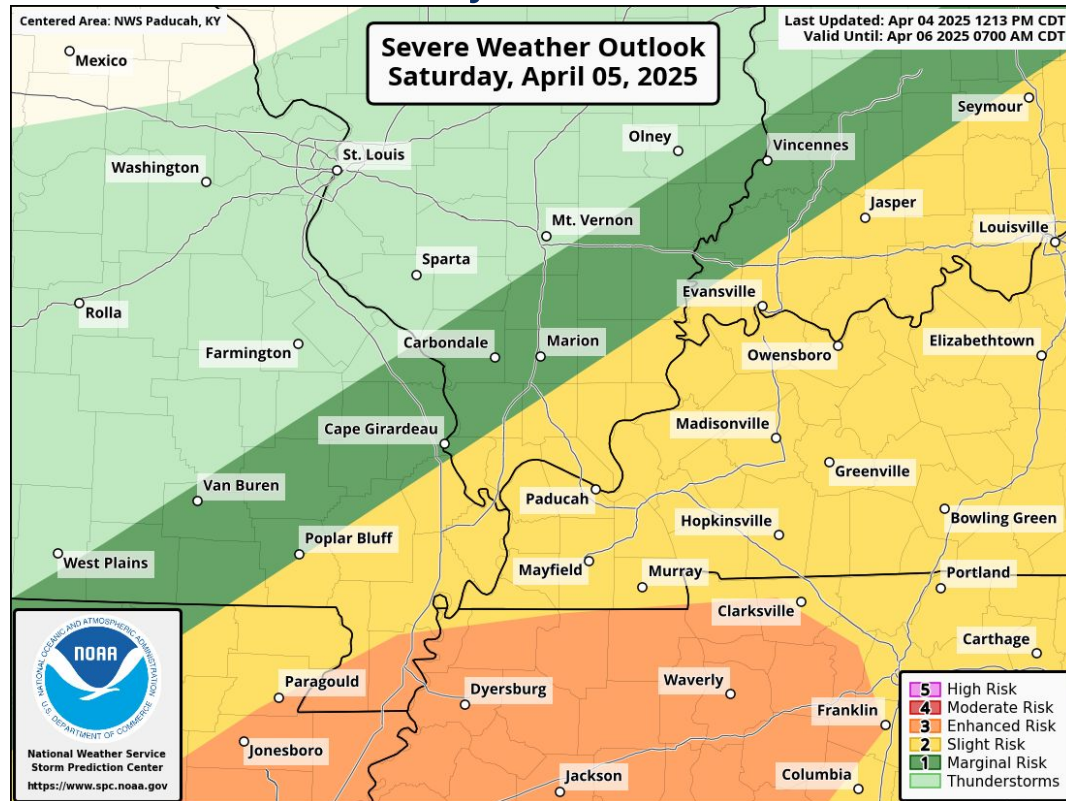


# Final Severe Thunderstorm Risk Saturday

## Level 2 of 5 (Slight Risk)

April 4, 2025  
3:27 PM

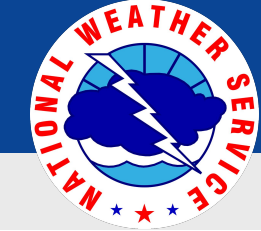
- *One final round of scattered severe thunderstorms is possible Saturday afternoon into Saturday night.*
- Much of the region is in a **Marginal Risk** or **Slight Risk** for severe weather, with the greatest risk across western Kentucky.
- Damaging winds, localized large hail, and an isolated tornado are the main hazards of concern, especially across western Kentucky.



**Black Hatching Indicates a 10% or Greater Risk of Significant Damaging Wind Gusts**





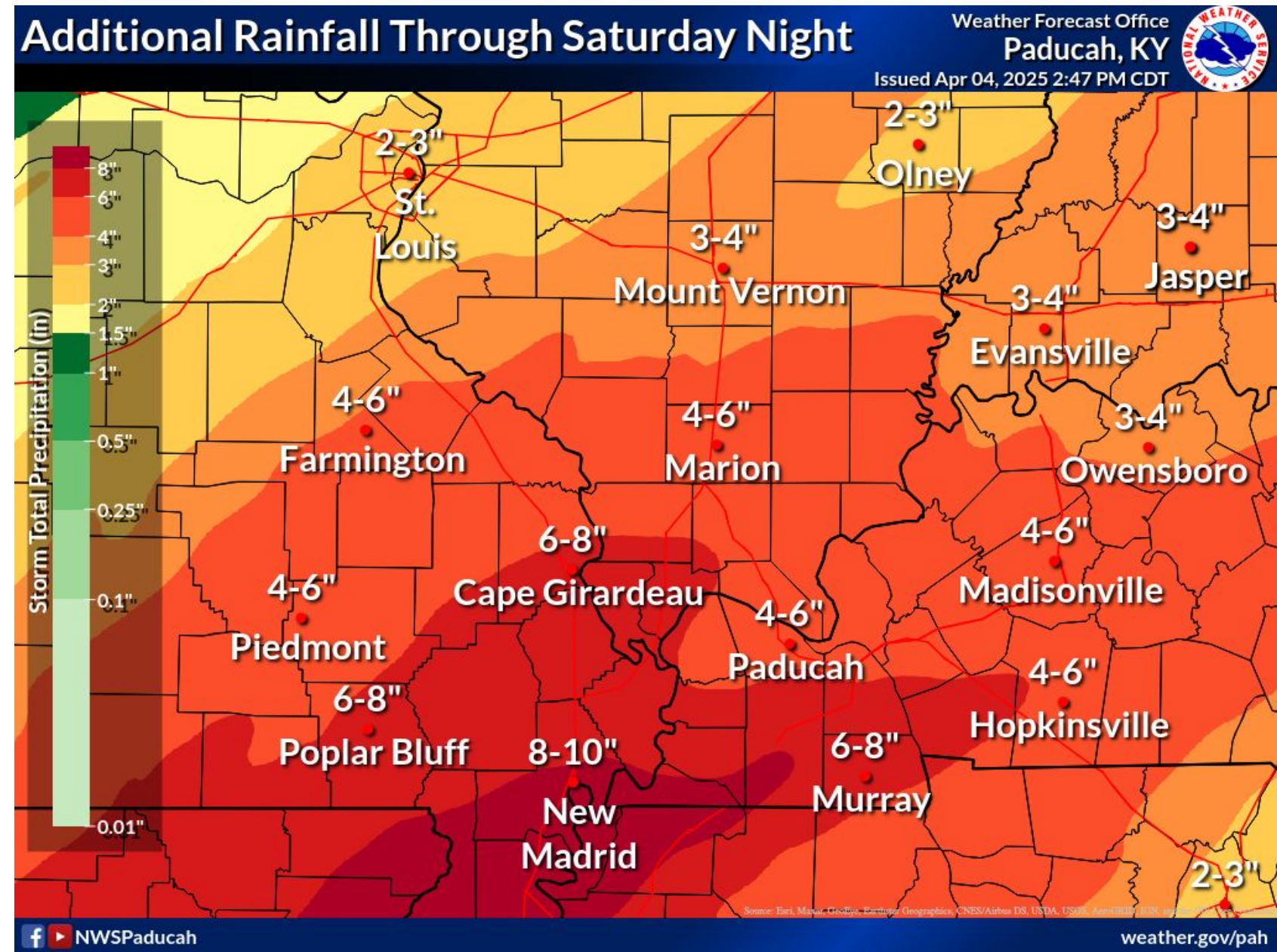


# Additional Forecast Rainfall Totals through Saturday Night

April 4, 2025  
3:27 PM

## Widespread Significant and Potentially Catastrophic Flooding and Flash Flooding is Expected!

- Confidence remains **high** in a prolonged period of heavy rainfall through Saturday night.
- 2-10" of rain has already fallen since Wednesday. Numerous rounds of heavy showers and storms will produce as much as **4-8" of additional rain with locally higher amounts possible over much of west Kentucky and portions of southeast Missouri.**
- **Significant and potentially life-threatening flash flooding has already developed over portions of west Kentucky and is expected to intensify and become more widespread through Saturday night.** River flooding will also develop across most area rivers.
- These amounts will cause flooding of areas that **do not normally flood**, and that may have never flooded before.
- Impacts from this event will be significant, and may be historic.
- Continue to monitor the latest forecasts and briefings for updates.







# Flood Watches Across the Region

## In Effect through Saturday Night

April 4, 2025

3:27 PM

- Flood Watches remain in effect through Saturday night.
- **This is a particularly dangerous situation.** Widespread and dangerous flooding is expected across our region.
- Continue to monitor forecasts and be prepared to change travel plans.

### Flood Watches Through Saturday Night

Weather Forecast Office

Paducah, KY

Issued Apr 04, 2025 2:48 PM CDT



NWSPaducah

[weather.gov/pah](http://weather.gov/pah)



National Oceanic and Atmospheric Administration

U.S. Department of Commerce

National Weather Service  
Paducah, KY



# Daily summary of weather concerns through Saturday

April 4, 2025  
3:27 PM

**Expect multiple hours with at least some tornado and severe thunderstorm threat, and ongoing flooding through Saturday night.**

**Even when the rain finally ends late Saturday night, flooding will continue, possibly for many days or longer.**

**Critical infrastructure damage could linger for days or weeks after the flood waters have receded.**

**It is crucial to stay aware of the weather the next several days! Be prepared to take action if needed!.**

## Tonight

- Severe thunderstorm threat increases this evening and overnight.
- Flash flooding will almost certainly be ongoing, and an additional 2 to 6 inches of rain are possible tonight.

## Saturday

- Big upper storm system pushes through, severe risk continues
- Likely the highest flood and flash flood impacts by this point
- Potentially catastrophic/historic flooding. Additional amounts of 2 to 4 inches possible.

Probability of Precipitation Forecast (%)

	4/4 Fri		4/5 Sat								4/6 Sun							
	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm
Cape Girardeau	55	95	100	90	90	95	95	100	95	95	95	80	80	55	55	40	40	5
Carbondale	55	95	95	85	90	80	90	100	95	95	90	80	80	65	65	50	50	5
Evansville	45	45	75	90	85	95	90	95	100	100	95	85	85	75	75	65	65	5
Henderson	40	40	70	90	85	95	90	95	100	100	100	90	90	75	75	65	65	5
Hopkinsville	55	30	30	65	60	60	95	95	100	100	100	100	100	75	75	60	60	10
Madisonville	50	30	50	85	85	90	95	95	100	100	100	100	100	80	80	65	65	5
Mount Vernon IL	50	95	95	85	70	65	85	100	90	85	85	70	70	55	55	40	40	5
Murray	45	30	45	75	75	90	95	100	100	100	100	100	100	65	65	55	55	5
Owensboro	45	30	60	85	90	95	90	100	100	100	100	95	95	80	80	70	70	10
Paducah	35	55	85	90	90	95	95	100	100	100	100	95	95	70	70	65	65	5
Poplar Bluff	80	100	95	100	95	95	95	100	100	95	95	75	75	55	55	25	25	5





# Severe Thunderstorm Risk Categories

Thunderstorms (no label)

**No severe storms expected**

Lightning/flooding threats exist with all storms



Enhanced (ENH)

**Numerous severe storms possible**

More persistent and/or widespread, a few intense

Marginal (MRGL)

**Isolated severe storms possible**

Limited in duration and/or coverage and/or intensity



Moderate (MDT)

**Widespread severe storms likely**

Long-lived, widespread and intense

Slight (SLGT)

**Scattered severe storms possible**

Short-lived and/or not widespread, isolated intense storms



High (HIGH)

**Widespread severe storms expected**

Long-lived, very widespread and particularly intense



NWS defines a severe thunderstorm as measured wind gusts of at least 58 mph, and/or hail of at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



# Tornado Sheltering Guidelines

Seek the best available refuge area **immediately** when a Tornado Warning is issued.  
Your chance of surviving a tornado is excellent if you follow these guidelines.

## WORST OPTIONS

Mobile homes  
Vehicles  
Underneath a  
highway overpass

## BAD OPTIONS

Large open rooms  
like gymnasiums  
Manufactured housing

## GOOD OPTIONS

Interior room  
of a well-constructed  
home or building  
Basement

## BEST OPTIONS

Above or below ground  
Tornado Storm Shelter  
(NSSA/ICC 500 compliant)\*  
Specifically-designed  
FEMA Safe Room\*

Find another option



Stay in place until all clear



# FLOOD WARNING

A Flood Warning is issued when flooding is **happening** or will happen soon. Some roads will be **flooded**.

**Move** to higher ground.

**Never drive** through flooded roads.

**take action.**

# FLOOD WATCH

A Flood Watch is issued when flooding is possible.

Stay tuned to radio/TV, follow **weather.gov** and be ready to seek higher ground.

Learn more at **weather.gov/flood**.

**be prepared.**

