



Rare and Dangerous Weather Pattern

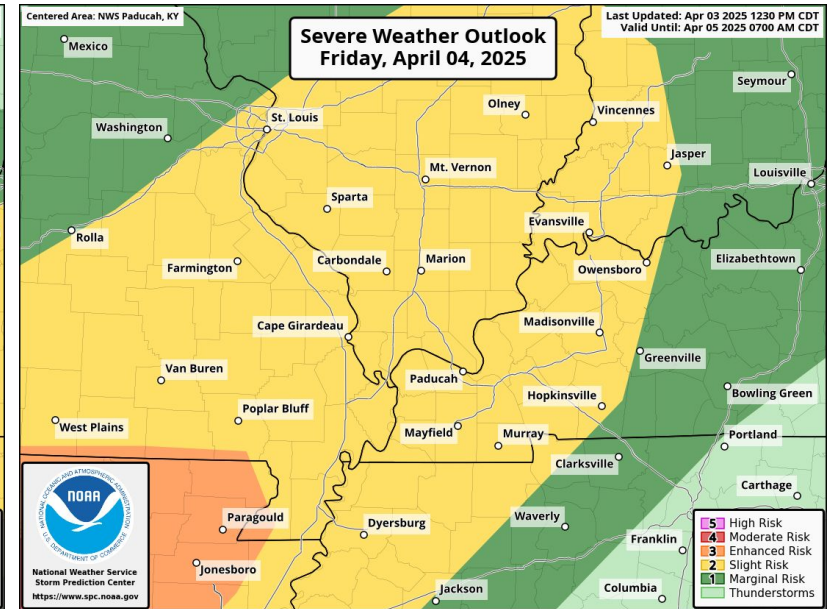
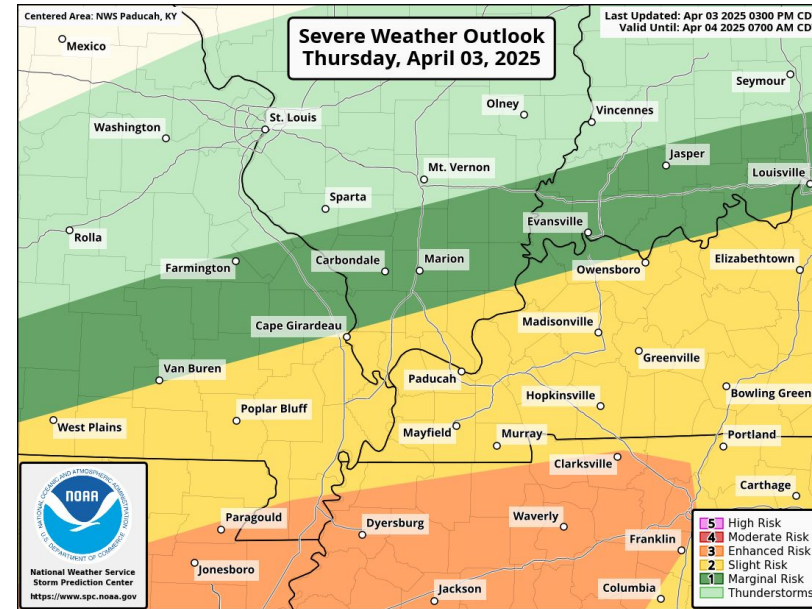
Dangerous Severe Weather and Potentially Catastrophic Flooding

April 3, 2025

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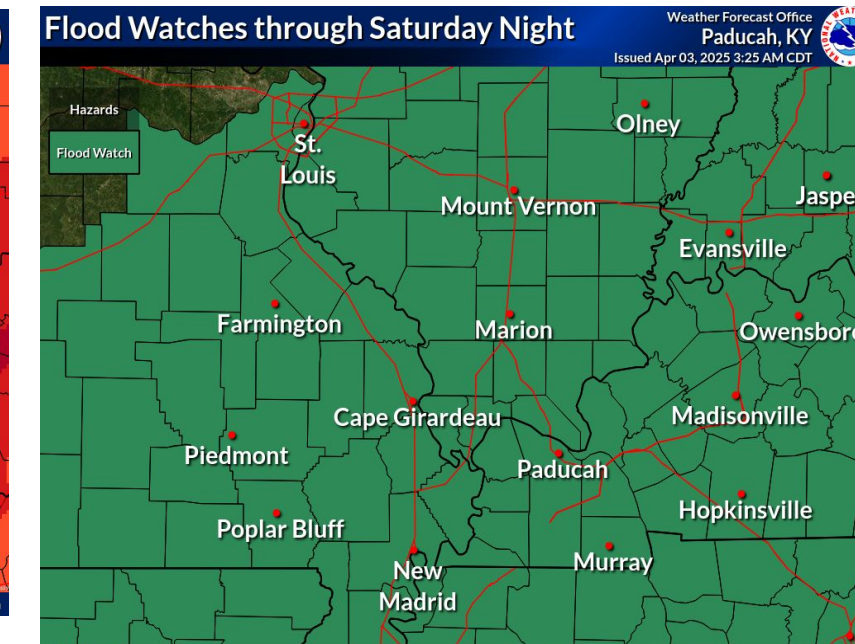
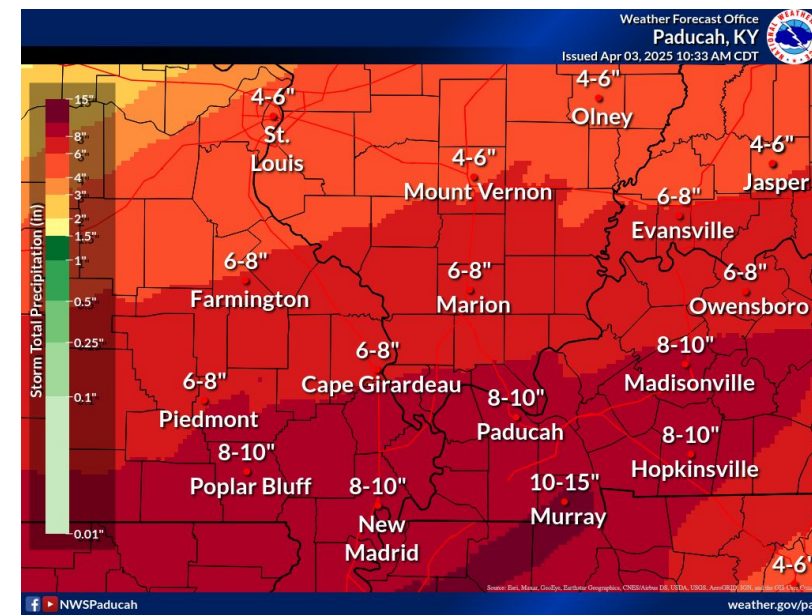
Key Messages:

- A **very active and dangerous weather pattern** will continue into the weekend.
- Much of the region is in a **Slight Risk** (Level 2 of 5) of Severe Thunderstorms tonight, Friday night, and Saturday night.
- A dangerous and potentially historic rainfall event will continue into Saturday night, leading to potentially catastrophic flash flooding.



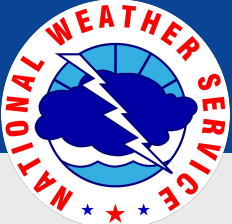
What Can You Do?

- 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



Next Update: by 5am Friday

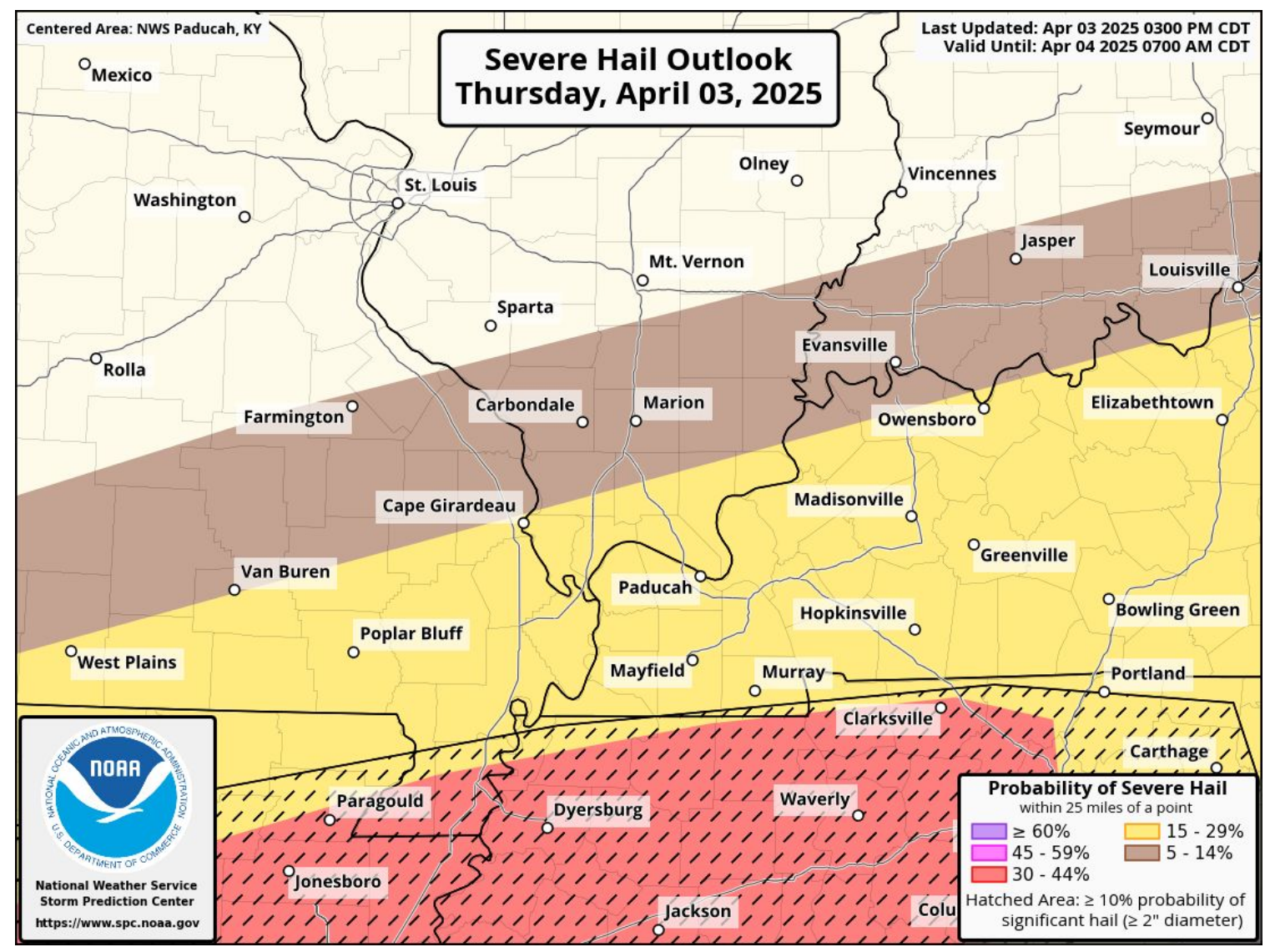
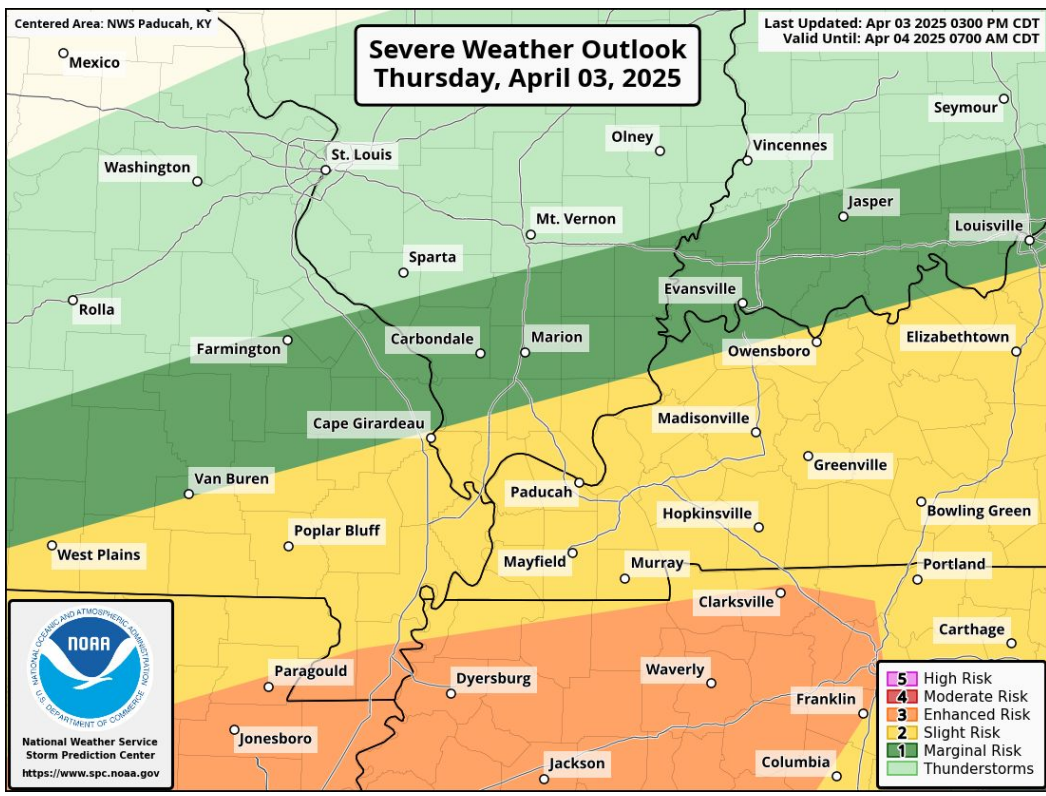




Low Severe Thunderstorm Risk Later Today

Level 2 of 5 (Slight Risk)

- A few severe thunderstorms are possible this afternoon into tonight.
- Portions of the region are under a **Marginal Risk** or **Slight Risk** for severe weather.
- Large hail is the main hazard of concern, but damaging wind gusts can't be ruled out especially along and near the Tennessee border.



Black Hatching Indicates a 15% or Greater Risk of Significant Hail

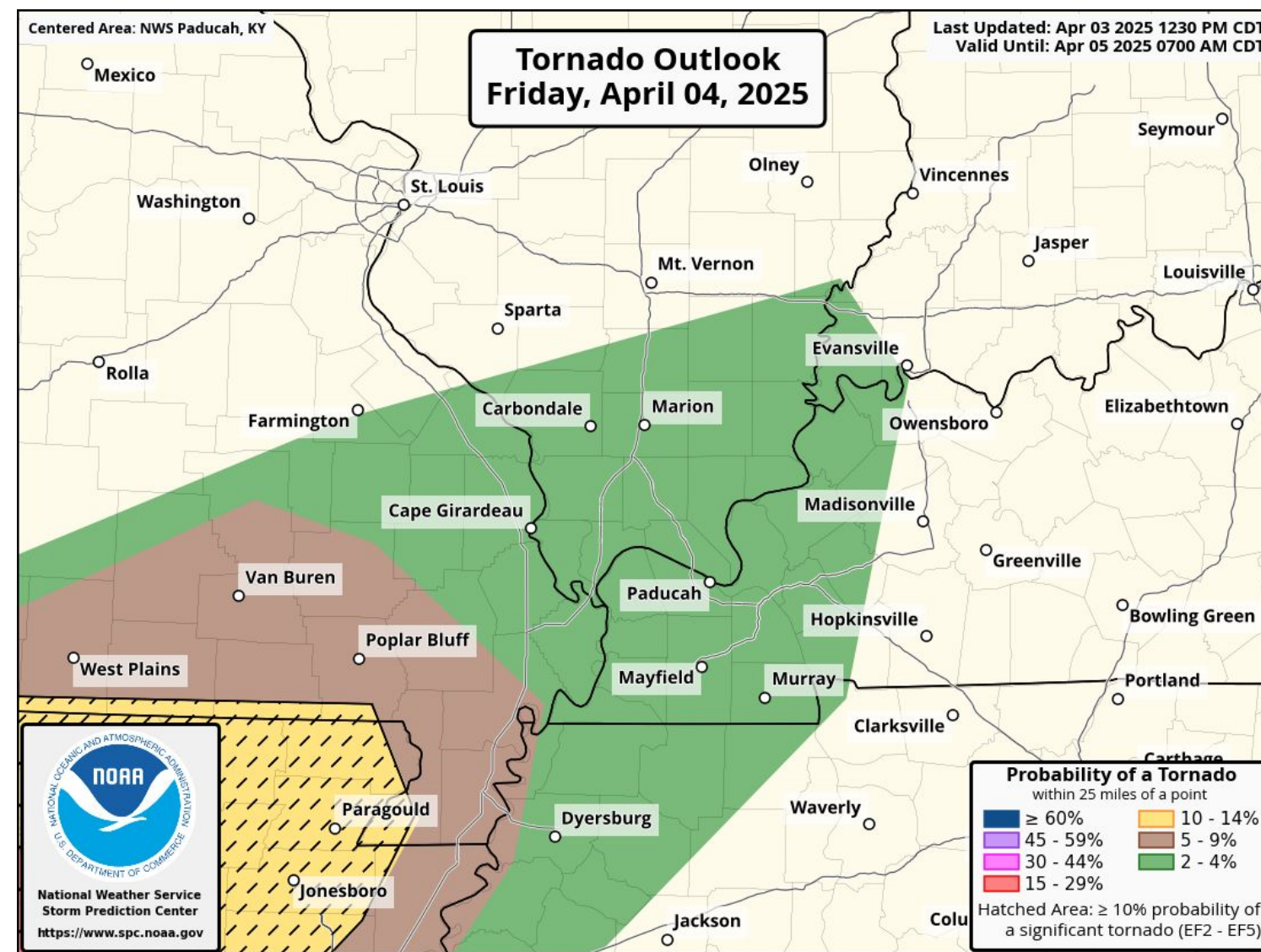
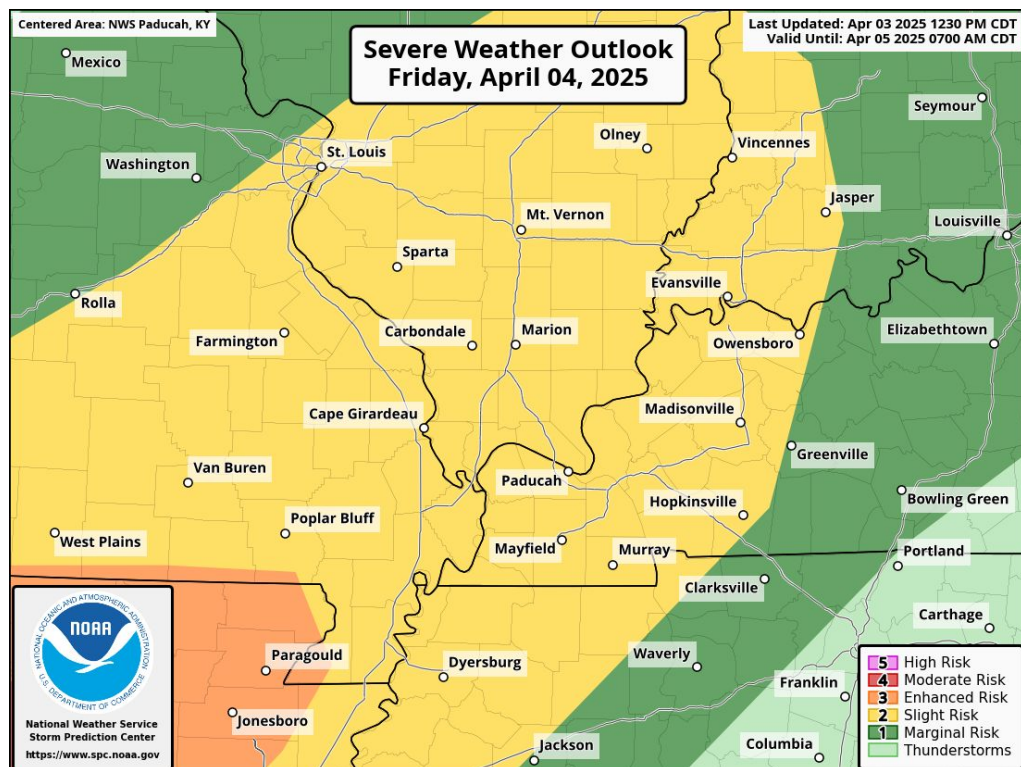




Severe Thunderstorm Risk Friday night

Level 2 of 5 (Slight Risk)

- *Another round of scattered severe thunderstorms is expected Friday night.*
- Much of the region is in a **Slight Risk** for severe weather.
- All severe weather threats will be possible, including large hail, damaging winds and a few tornadoes, especially in southeast Missouri.



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

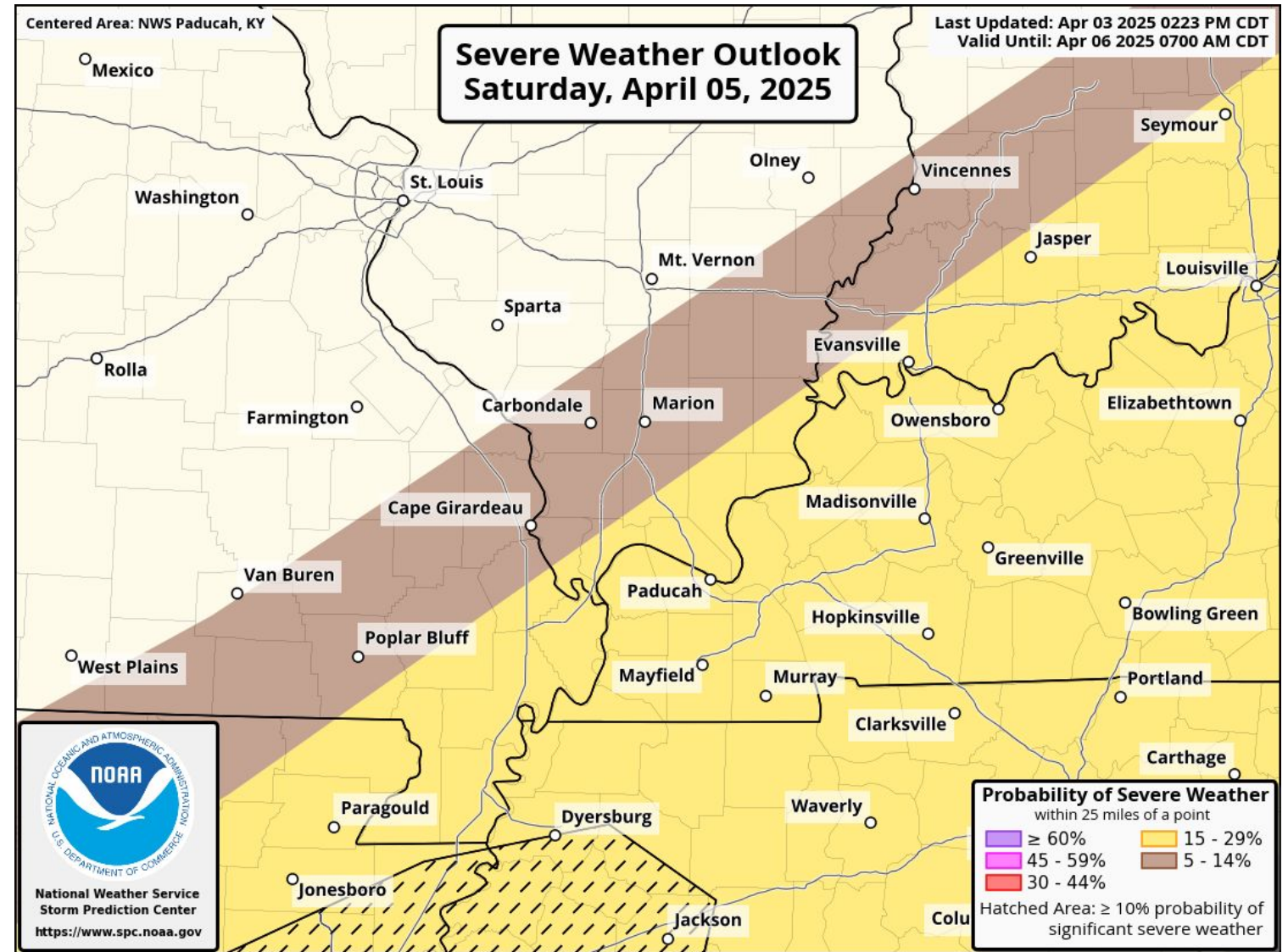
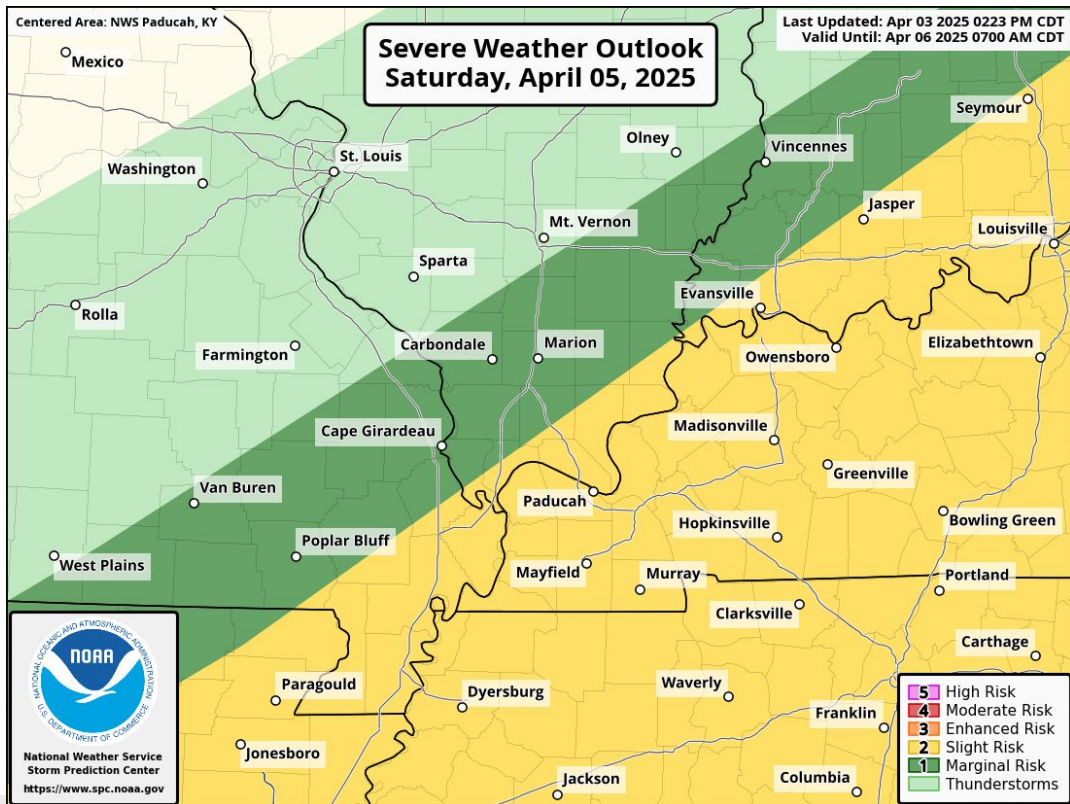




Final Severe Thunderstorm Risk Saturday

Level 2 of 5 (Slight Risk)

- *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 a 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 Severe Weather



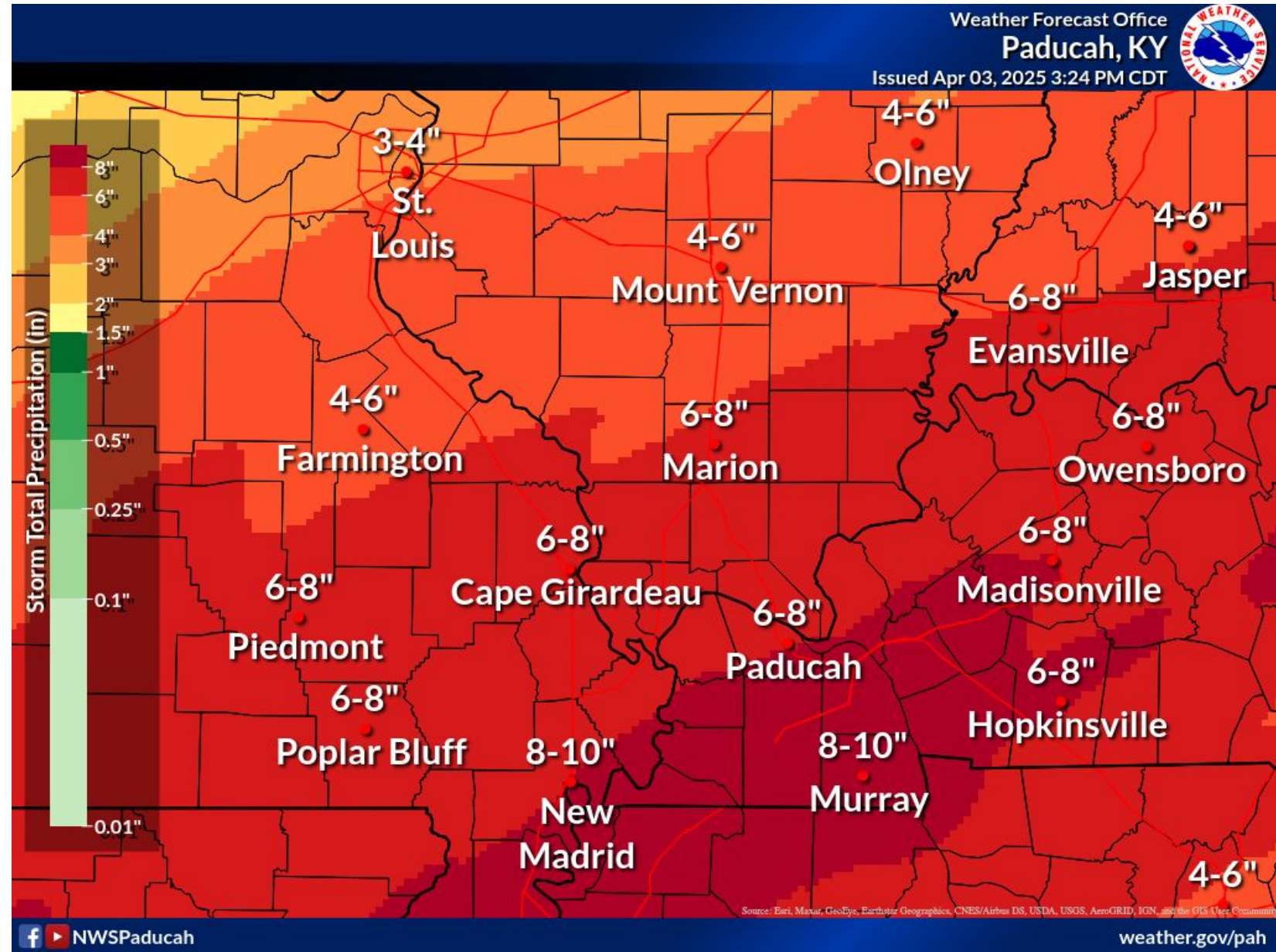


Additional Forecast Rainfall Totals through Saturday Night

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

- Confidence remains **high** in a prolonged period of heavy rainfall through Saturday night.
- 1-4" 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 is expected.** River flooding will also develop across many 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.





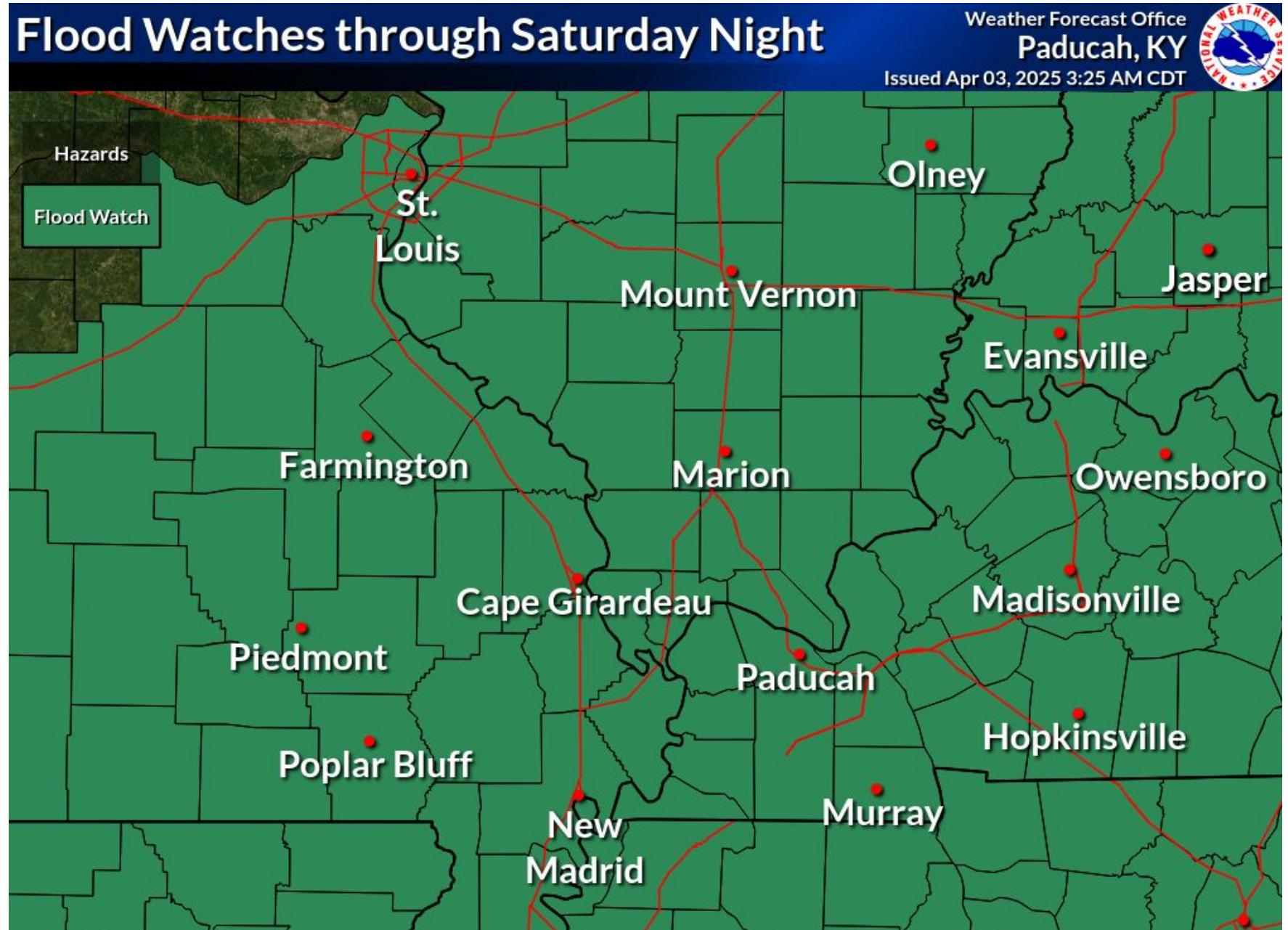
Flood Watches Across the Region

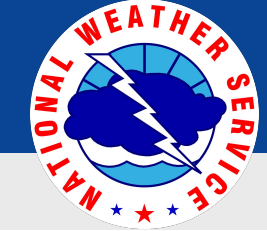
In Effect through Saturday Night

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- 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.





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.

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

Rest of this afternoon

- Scattered rain showers, small hail possible
- Flash flooding probable or ongoing

Friday

- Front shifts north, severe thunderstorm threat increases, especially Friday night
- Flash flooding will almost certainly be ongoing, and areas may have received up to 6-8 inches of rain by Friday evening

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

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.

