



# Severe Storm Risk Late Tonight into Wednesday

April 1, 2025

3:57 AM

Be sure you have a way to get warning information and be ready to act quickly as storms will be moving fast!

## Key Messages

- A strong storm system will bring the risk of two rounds of severe thunderstorms tonight and Wednesday
- There is a higher risk for severe storms on Wednesday, especially along and east of the Mississippi
- There is still uncertainty in the timing and location of storms Tuesday night, which would potentially impact the severe risk for Wednesday

NEW

## What Has Changed

- Severe risk tonight has decreased further

## Next Scheduled Update

- By 4 PM CDT



National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Quad Cities, IA/IL



### What We Know

- Thunderstorms will develop across eastern Iowa after midnight tonight and push east of the Mississippi around sunrise Wednesday.
- Storms will be fast-moving (at least 50 mph) late tonight and Wednesday
- The primary risk late tonight will be hail, with isolated severe wind gusts. All severe hazards are possible on Wednesday, including tornadoes.

### What Remains More Uncertain

- How will the storms late tonight impact new storm development into Wednesday
  - For example, less storm coverage or early clearing late tonight/Wednesday morning would increase the severe potential for Wednesday.
- How late will the severe threat linger into the day Wednesday



# Severe Weather Risk Tonight

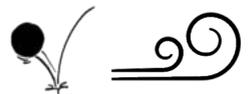
April 1, 2025  
3:57 AM

Severe weather risk for tonight has decreased

## Key Messages

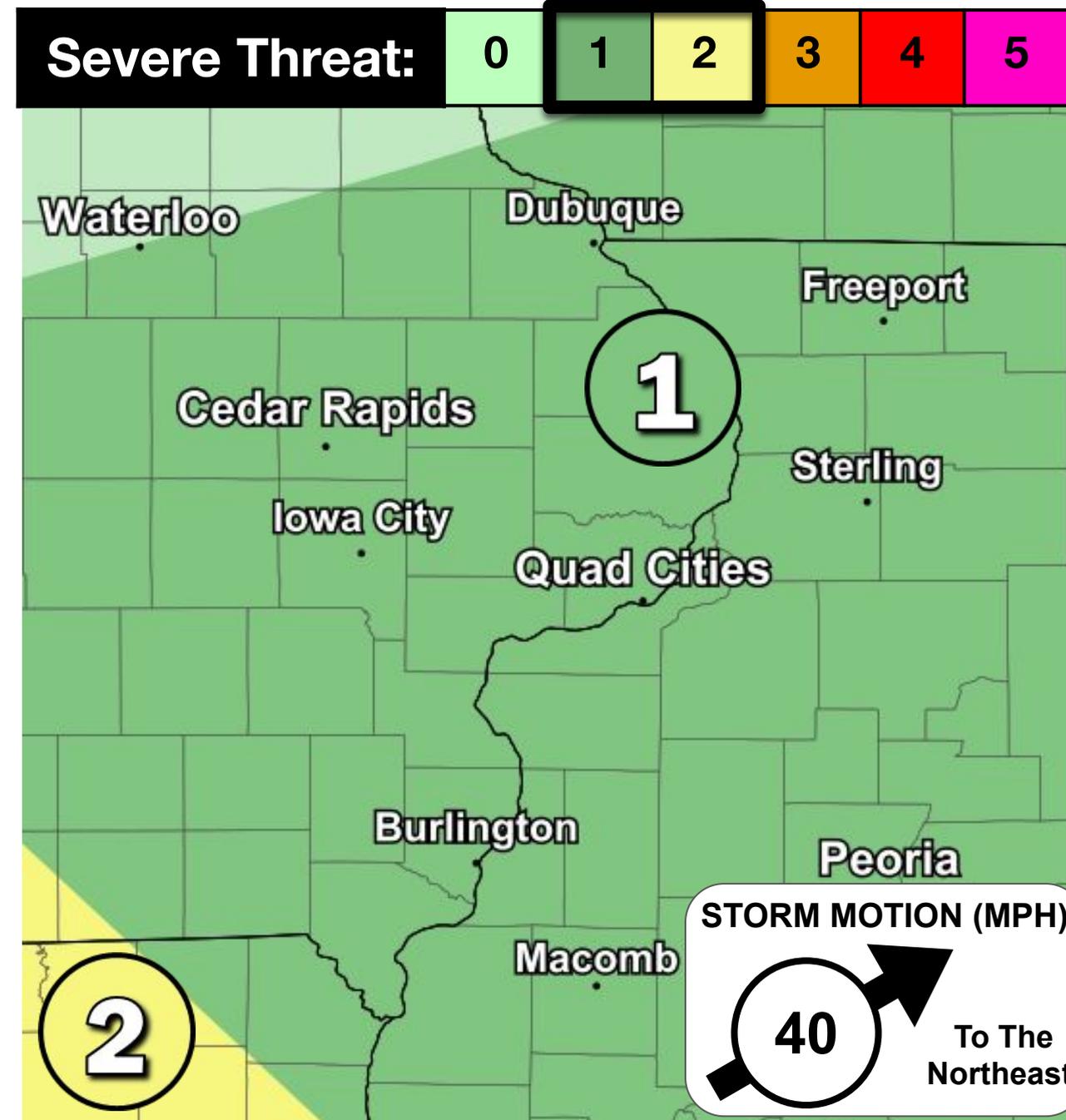
- Thunderstorms are forecast to develop after midnight tonight, continuing into the overnight hours
- Some showers may develop this afternoon and evening, but no severe weather is expected with this activity
- Primary Risk: Large Hail
  - ◆ Secondary Risk: Damaging Winds

## Hazards with Any Severe Storms

-  Large hail and damaging winds

## Actions

- Make preparations for the storms before going to bed tonight, like securing loose objects or moving objects inside
- Consider parking your car in the garage tonight





# Wednesday Severe Weather Risk

April 1, 2025

3:57 AM

Severe threat for Wednesday remains unchanged from previous forecast

## Key Messages

- A strong storm system will bring the risk of severe thunderstorms Wednesday morning into the afternoon
- Some uncertainty remains in the timing and track of this storm system
- Large hail, damaging winds, and tornadoes are all possible

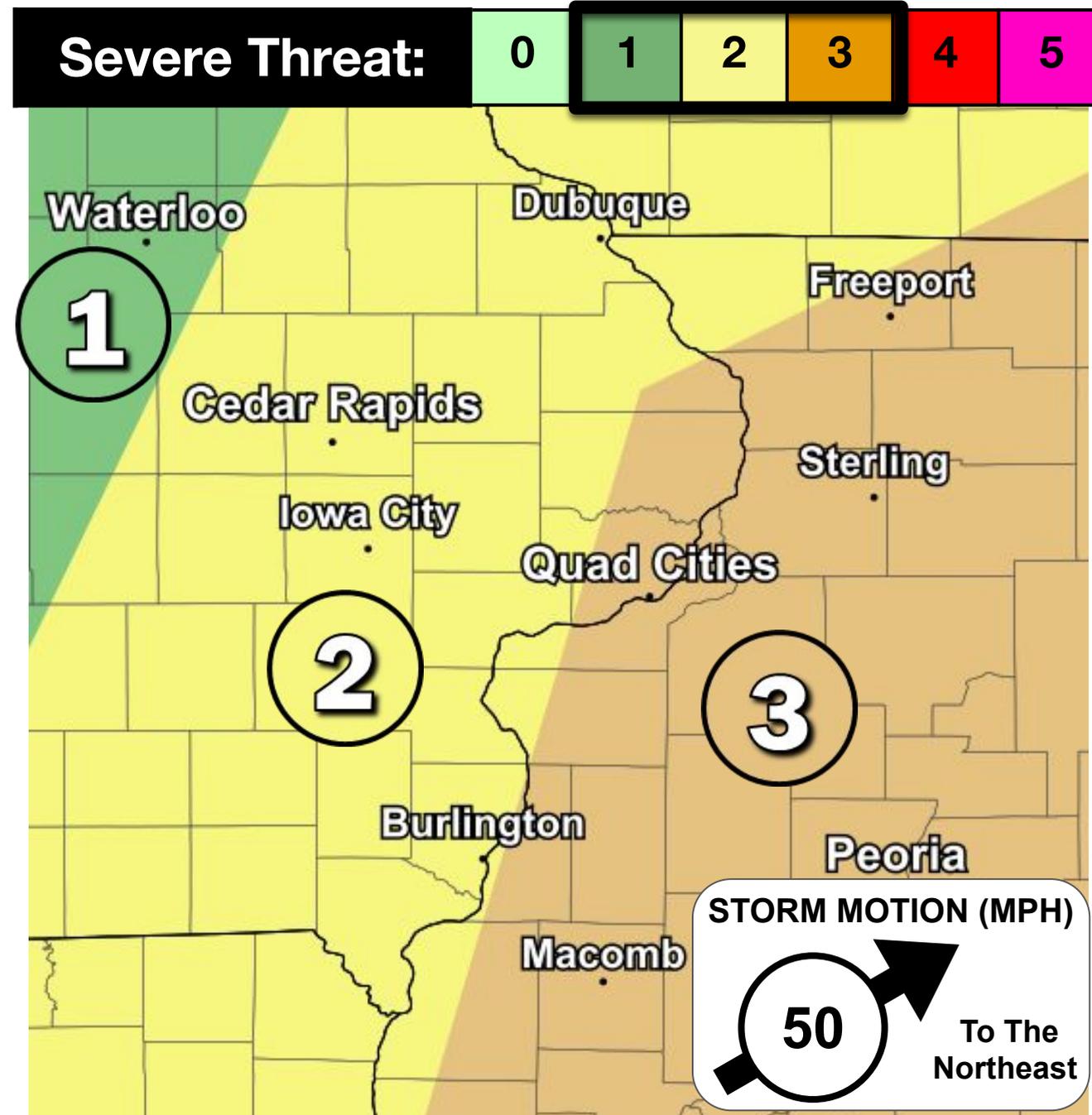
## Hazards with Any Severe Storms

Large hail, damaging winds, and tornadoes



## Actions

- Make sure to have multiple ways of receiving warnings!
- Continue to monitor the forecast for potential changes in the area impacted and timing.





# Wednesday's Severe Weather Threats

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Damaging winds will be the main threat, followed by large hail and a few tornadoes possible



## A Few Tornadoes



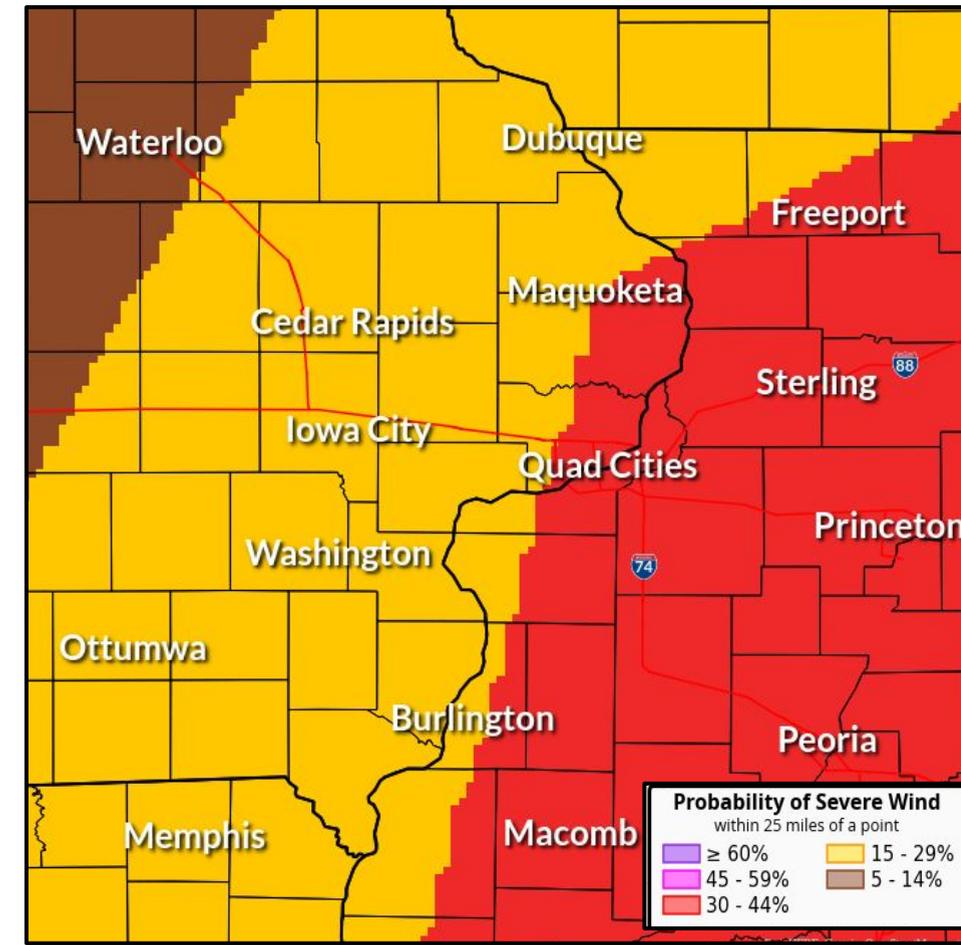
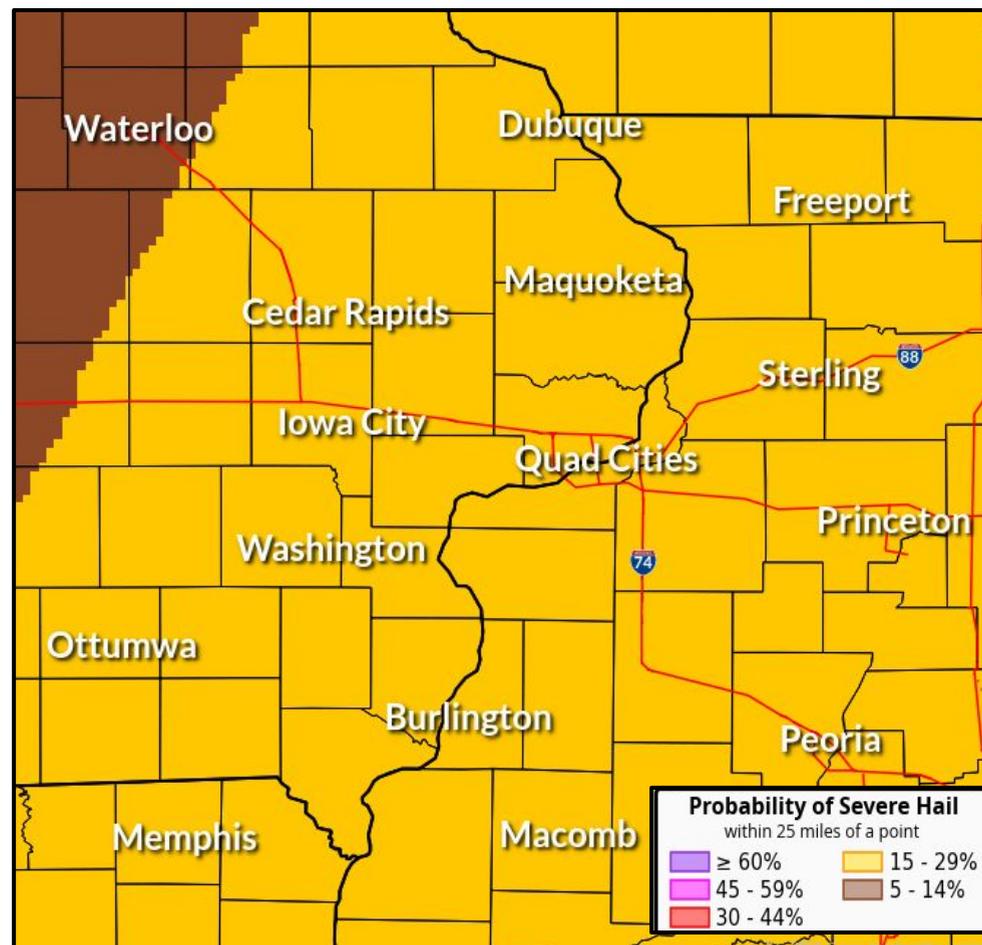
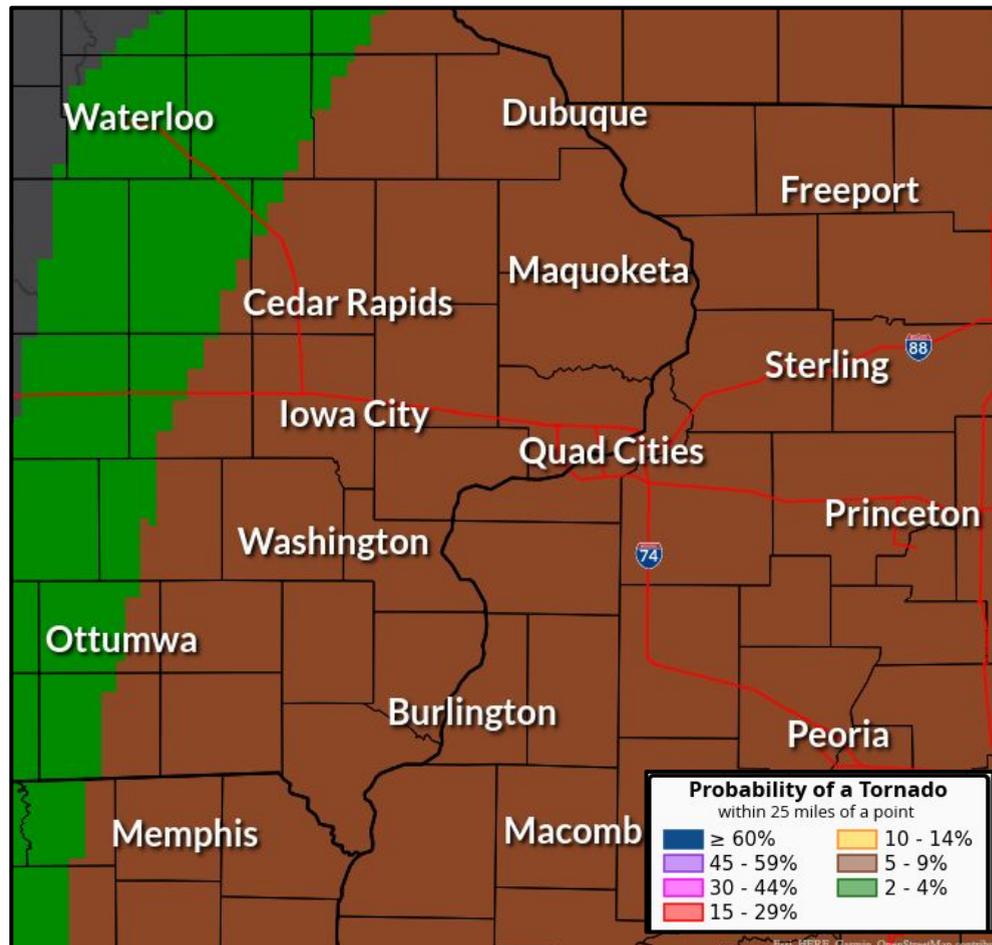
## Large Hail

Capable of denting cars



## Damaging Winds

Capable of downing tree branches and fences





# Severe Weather Timing

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Breaking down the severe weather expectations and timing

## Round 1

### Timing



1 AM - 6 AM Tonight

Line of Storms

### Details



1. Mainly along and west of the Mississippi River
2. Storms will quickly develop into a line in western Iowa and move northeastward towards our region
3. This is the time of the Level 1 of 5 (Marginal) risk of storms, with large hail as the main threat, followed by strong wind gusts
4. Storms will be moving at 40 to 50 MPH

## Round 2

### Timing



6 AM - 2 PM Wednesday

Line of Storms

### Details



1. Line of storms continues to move to the east Wednesday
2. This will be our most likely time frame for severe weather, with the Level 2 and 3 of 5 (Slight to Enhanced) risks
3. All hazards are possible during this time, including damaging winds, large hail, and a few tornadoes
4. **Storms will be moving at 50-60 MPH!**





# Understanding Severe Storm Risk Categories

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From NWS Storm Prediction Center (SPC)

**THUNDERSTORMS**  
(no label)

**No severe\*  
thunderstorms  
expected**

Lightning/flooding  
threats exist with all  
thunderstorms



**1 - MARGINAL  
(MRGL)**

**Isolated severe  
thunderstorms  
possible**

Limited in duration  
and/or coverage  
and/or intensity



**2 - SLIGHT  
(SLGT)**

**Scattered  
severe storms  
possible**

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



**3 - ENHANCED  
(ENH)**

**Numerous  
severe storms  
possible**

More persistent  
and/or widespread,  
a few intense



**4 - MODERATE  
(MDT)**

**Widespread  
severe storms  
likely**

Long-lived,  
widespread and  
intense



**5 - HIGH  
(HIGH)**

**Widespread  
severe storms  
expected**

Long-lived, very  
widespread and  
particularly intense



# STORM PLANNING TIMELINE

## A few days out

*If the forecast calls for severe weather in a few days, start preparing now.*



Make sure that you have emergency supplies



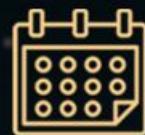
Know your safe places



Have a family communication plan

## The day before

*The day before, forecast accuracy continues to improve.*



Adjust plans



Make sure your phone can receive WEAs



Ensure your shelter is clean and accessible

## The day of

*Remain vigilant and aware of any active Watches. A Warning may be issued at a moment's notice!*



Remind your family of the communication plan



Know how to evacuate and/or get to safety from wherever you are



When a Warning is issued, you may only have seconds to take action!