



# Significant Severe Weather Outbreak Possible Tuesday

April 3, 2023  
3:18 PM

## Strong tornadoes possible again

### Key Messages

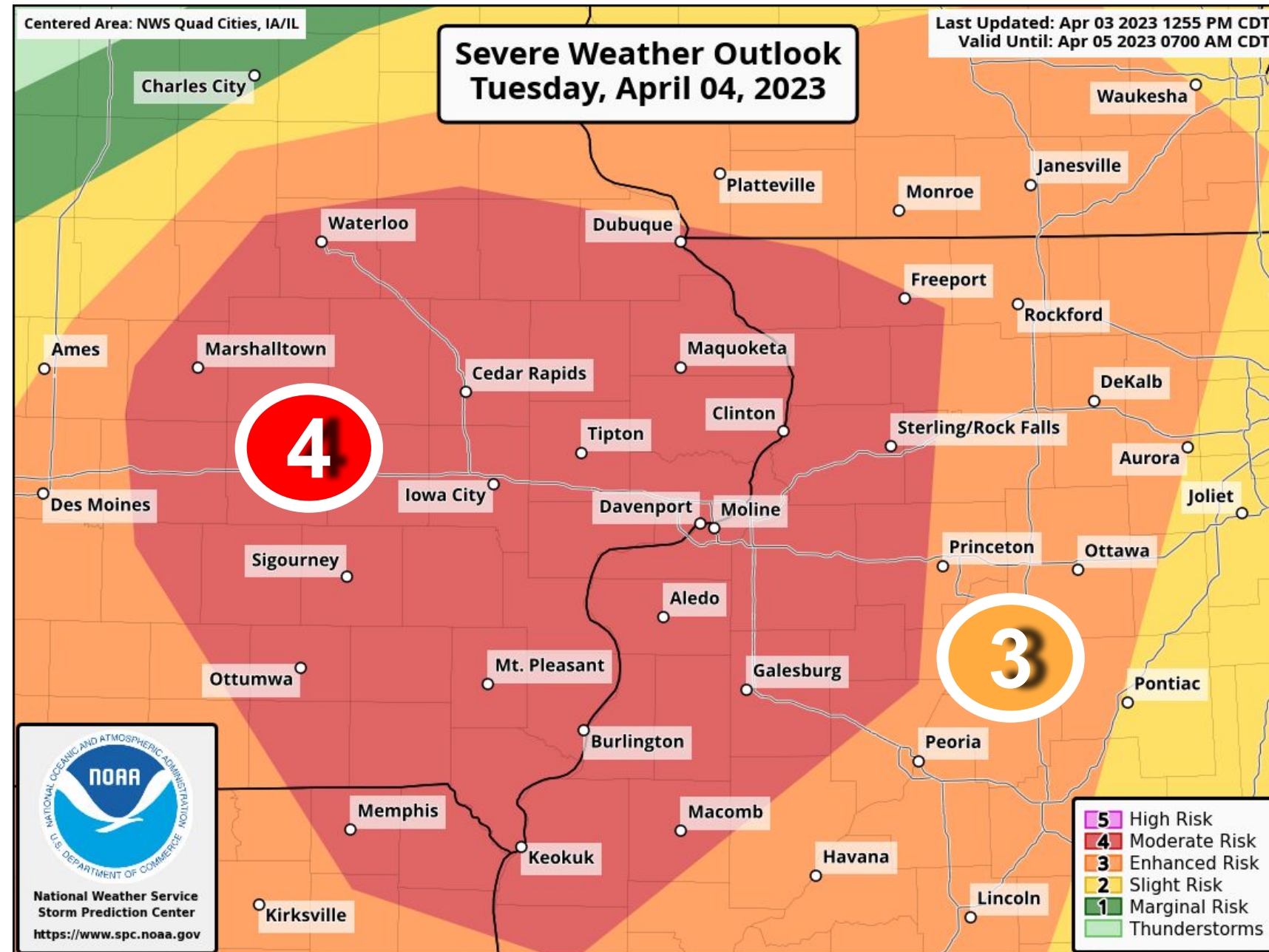
- Thunderstorms overnight into Tuesday AM with small hail possible.
- Complex severe weather event possible on Tuesday, with multiple rounds possible Tuesday afternoon into Tuesday night.
- Storms will be moving at highway speeds (50-70MPH)
- Strong long tracked tornadoes, damaging wind and large hail are possible especially during the afternoon and evening.

### NEW What Has Changed

- Moderate Risk continues-no change

### Next Scheduled Update

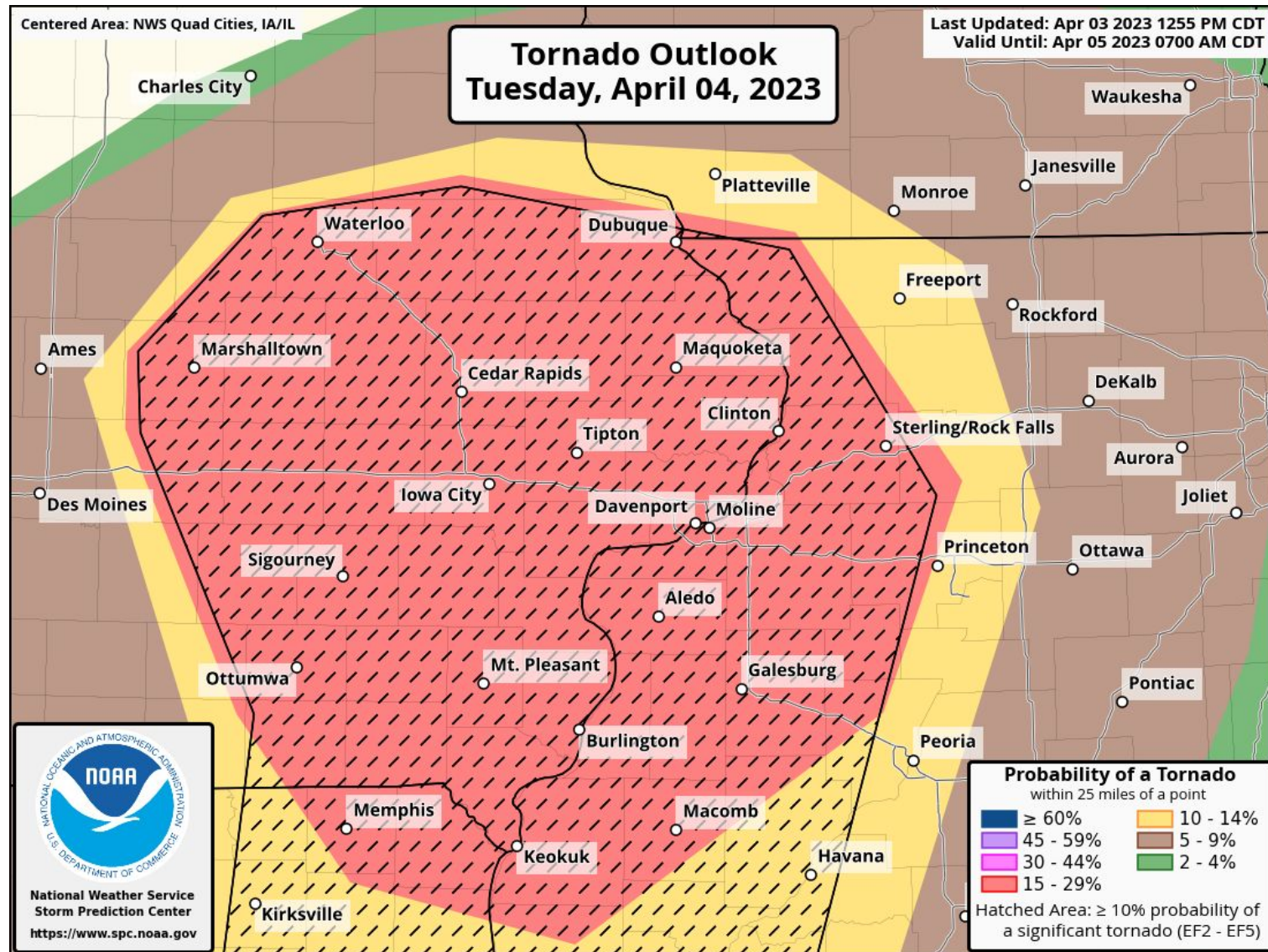
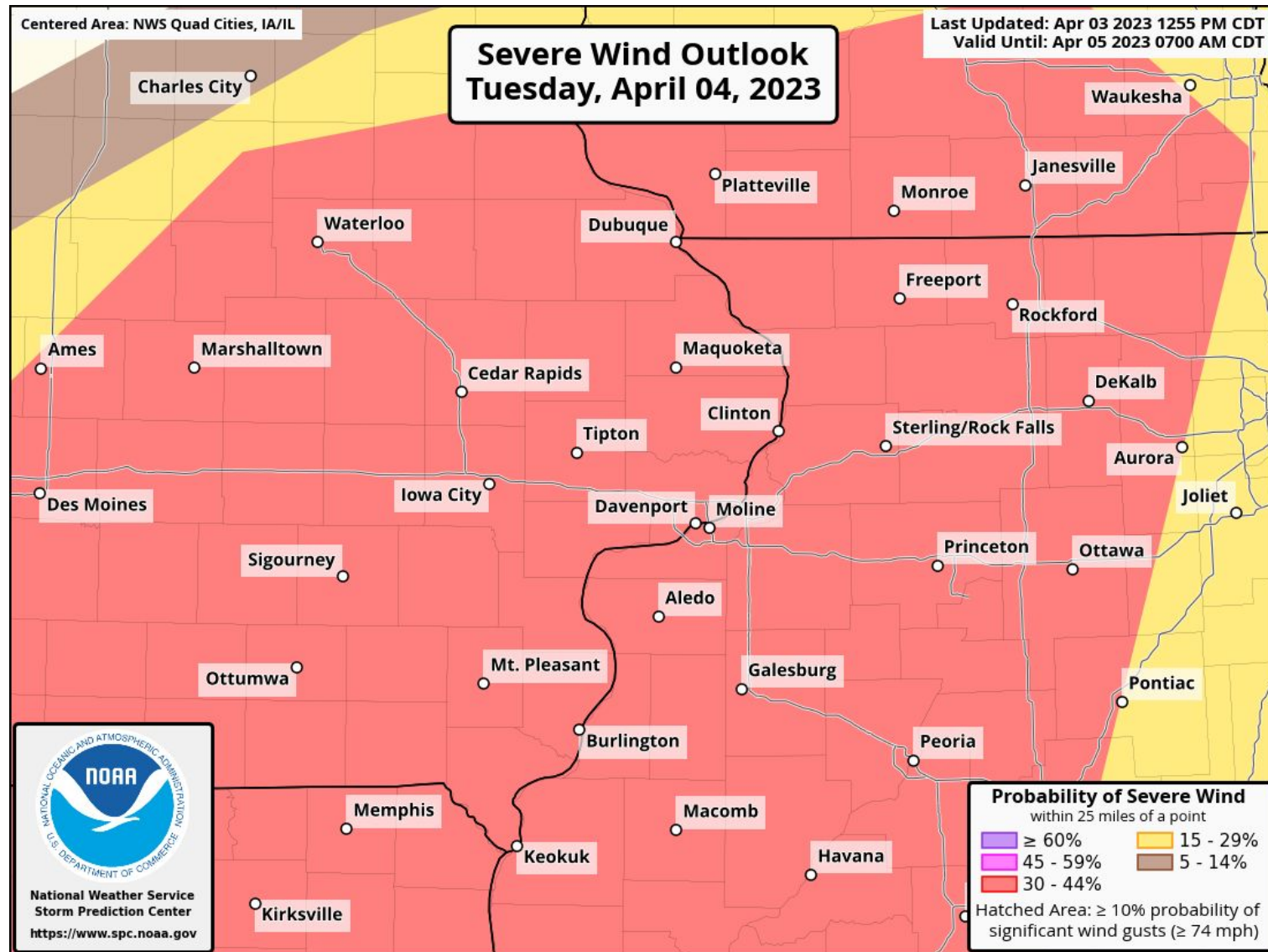
- Tuesday morning by 6 AM.





# Tornado and Wind Threat for Tuesday

April 3, 2023  
3:18 PM





# Hail Risk and Severe Storm Confidence

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## What We Know

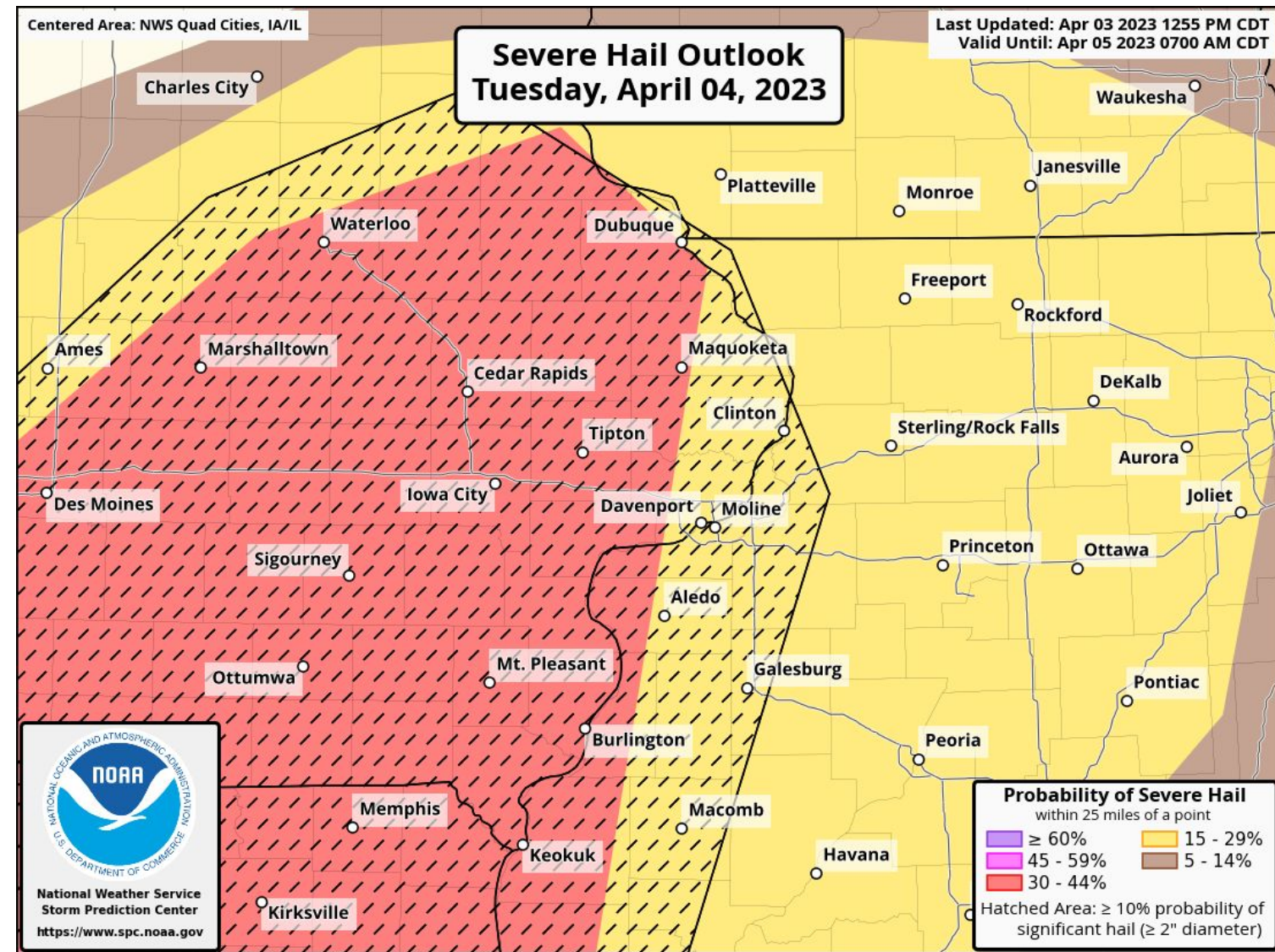
- Significant severe weather is possible based on the forecast conditions.
- If storms form, long-tracked severe supercell storms are possible with tornadoes, large hail and damaging winds.

## What We Don't Know

- Timing and location of storm development
- How many rounds (1, 2 or 3) of severe thunderstorms will occur  
(The potential exists for a third round, but confidence in it occurring is low.)

## Actions You Can Take

- Prepare now!





# Multiple Rounds of Severe Possible!

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Tornadoes, damaging winds and large hail are possible from each round!

## Round 1

### Timing



2PM - 6PM Tuesday

Isolated Supercells

### Details



1. South of a Cedar Rapids to Sterling Rock Falls line a cap (warm air aloft) is in place which may delay thunderstorm development.
2. If storms form, they will be isolated, BUT capable of producing large hail, damaging winds and tornadoes.
3. Potential for a strong tornado
4. Storms will be moving at 35 to 40 MPH

## Round 2

### Timing



6PM Tuesday - Midnight

Scattered Supercells

### Details



1. Supercells will increase in coverage.
2. Better chance for stronger tornadoes as they move through our area.
3. Storms will be moving at **50-60 MPH!**

## Round 3

### Timing



Midnight - 6AM Wednesday?

Line of Storms?

### Details



1. Uncertainty in timing and location
2. Strong cold front is expected to catch up to the supercells with a line of storms similar to last Friday.
3. Tornadoes and damaging winds are possible



# Severe Thunderstorm Risk Categories

Thunderstorms (no label)

**No severe storms expected**

Lightning/flooding threats exist with all storms



**3** Enhanced (ENH)

**Numerous severe storms possible**

More persistent and/or widespread, a few intense

Marginal (MRGL) **1**

**Isolated severe storms possible**

Limited in duration and/or coverage and/or intensity



**4** Moderate (MDT)

**Widespread severe storms likely**

Long-lived, widespread and intense

Slight (SLGT) **2**

**Scattered severe storms possible**

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



**5** 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.

# 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!

# 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\*

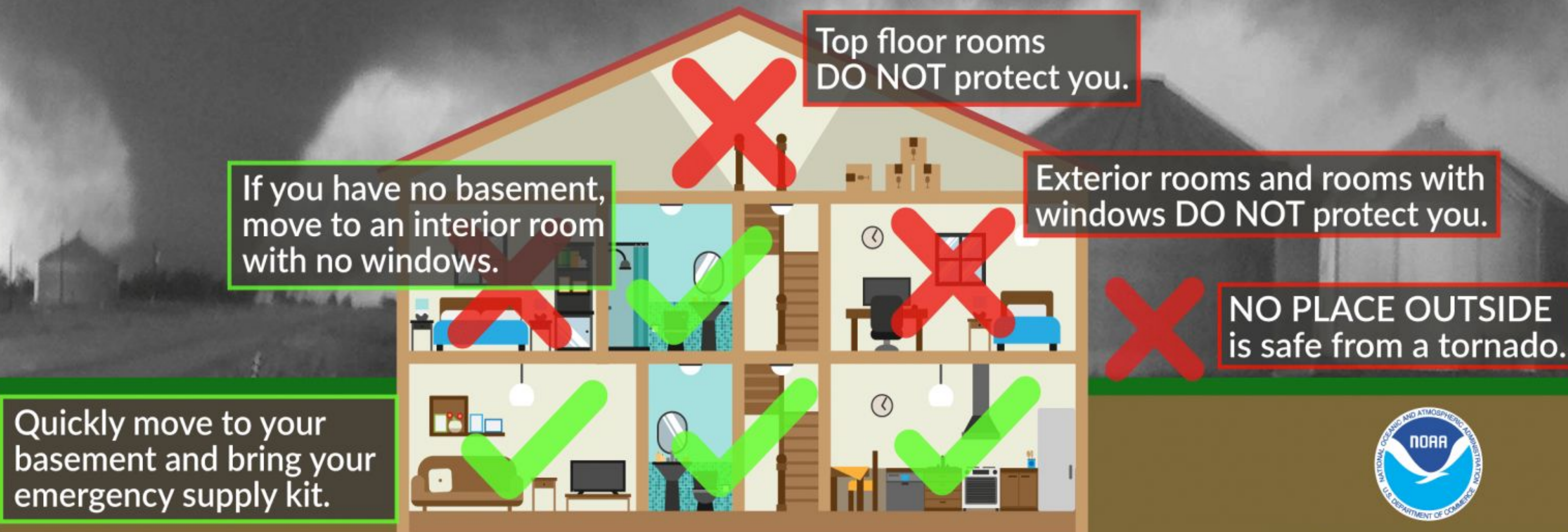
Find another option



Stay in place until all clear

# Know Where to Go

When Sheltering from a Tornado



Quickly move to your basement and bring your emergency supply kit.

If you have no basement, move to an interior room with no windows.

Top floor rooms DO NOT protect you.

Exterior rooms and rooms with windows DO NOT protect you.

NO PLACE OUTSIDE is safe from a tornado.

