



# More Thunderstorms and Heat Today

July 15, 2024  
5:26 AM

## Key Messages:

- Another round of potentially severe thunderstorms is expected this evening and into tonight. Additional storms are possible on Tuesday, mainly south of I-80.
- Storms will produce torrential rainfall which may lead to renewed flash flooding and river rises.
- Dangerously hot & humid conditions can be expected today with afternoon heat indices in excess of 100°F!

**NEW**

## What Has Changed:

- Increased confidence in severe storms today.
- A Heat Advisory has been issued for parts of northern and central IL.

## Next Scheduled Update:

- The next DSS Packet will be issued by 4PM, if needed



Photo: Tom Purdy



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

National Weather Service  
Chicago, IL



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Severe thunderstorms possible this evening and tonight

## What To Expect



Scattered to Numerous Storms



Evening and Night

Main window:  
6 PM - 2 AM

## Severe Thunderstorms May Produce



**Destructive Winds ( $\geq 75$  mph)**

Capable of causing structural damage & downing trees



**Damaging Hail**

Capable of denting cars and siding



**Tornadoes**

Additional instances of flash flooding are possible.

Flash Flooding Threat:



## What You Should Do

- ✓ Have multiple ways to get weather warnings.
- ✓ Stay tuned for the latest forecast updates.

Severe Weather Threat:



Approx. Thunderstorm Onset Time:



**Storm Motion: To the ESE at 40 to 45 mph**



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National Weather Service  
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Prepare now for potential urban flooding!

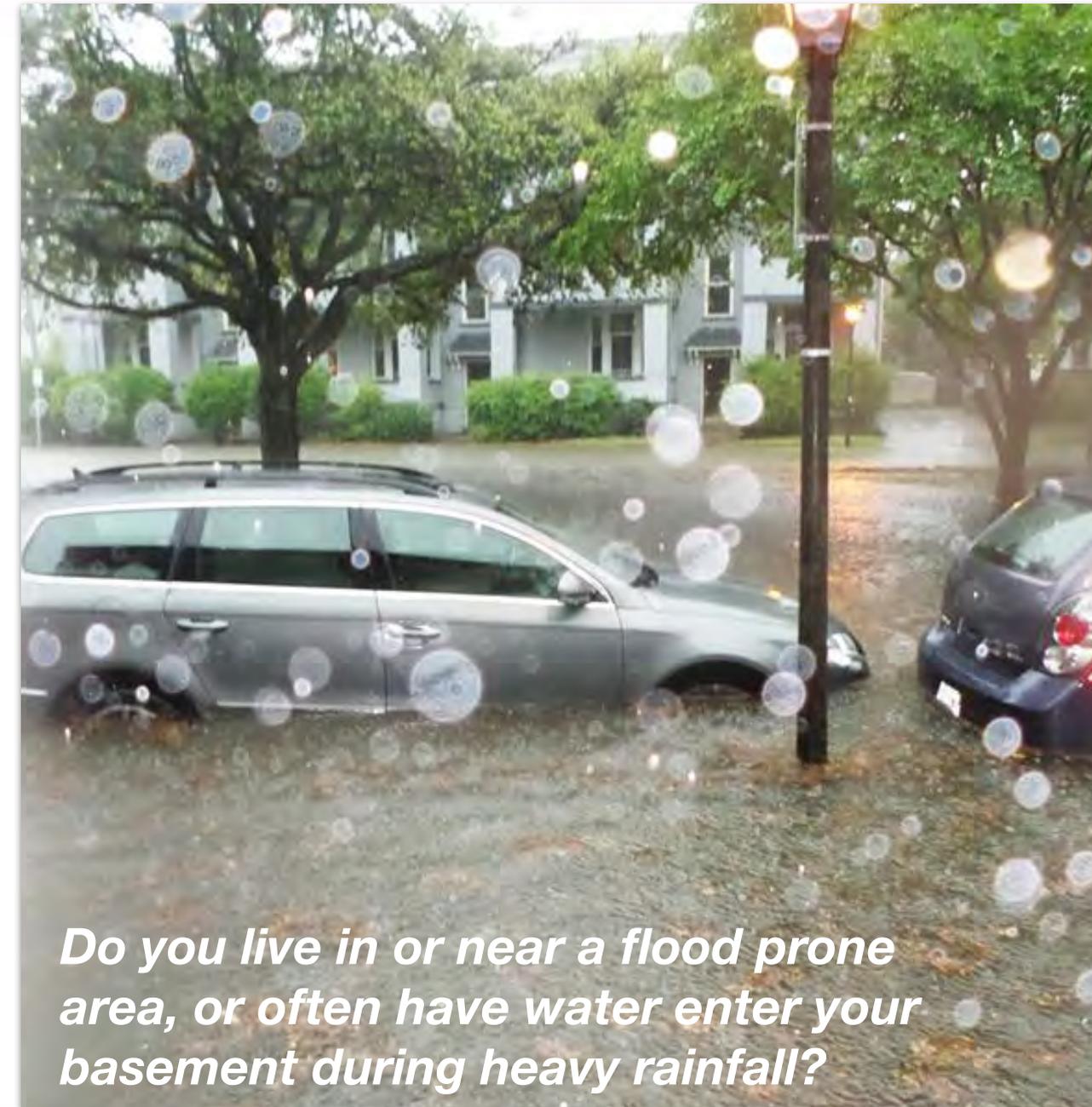
## Urban Flooding Threat

- Another round of heavy rainfall is possible tonight.
- The threat for flooding will be highest in urbanized areas that saw heavy rainfall the past two nights, including most of the Rockford metro and parts of the Chicago metro.

***Now is the time to take action to reduce the impact to life and property from possible urban flooding!***

## What You Should Do

- ✓ Move valuables from flood-prone areas, such as basements and outdoor areas with poor drainage.
- ✓ Know alternate routes for travel should roadways or railways become flooded.
- ✓ Know where to go should you need to move to higher ground.



***Do you live in or near a flood prone area, or often have water enter your basement during heavy rainfall?***





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Dangerous heat and humidity today, prior to storm arrival

## What To Expect

### Oppressively Hot & Humid Conditions



- **DANGEROUS** to anyone without proper hydration or adequate cooling
- **Peak heat indices: 100 to 110 °F**
- Lingering cloud cover from nearby storms *may* hinder the excessive heat in spots



### This Afternoon



### Heat Advisory Issued for Parts of IL

## What You Should Do



#### Hydrate

Drink before you are thirsty



#### Wear Light Clothing

Lightweight and light colored



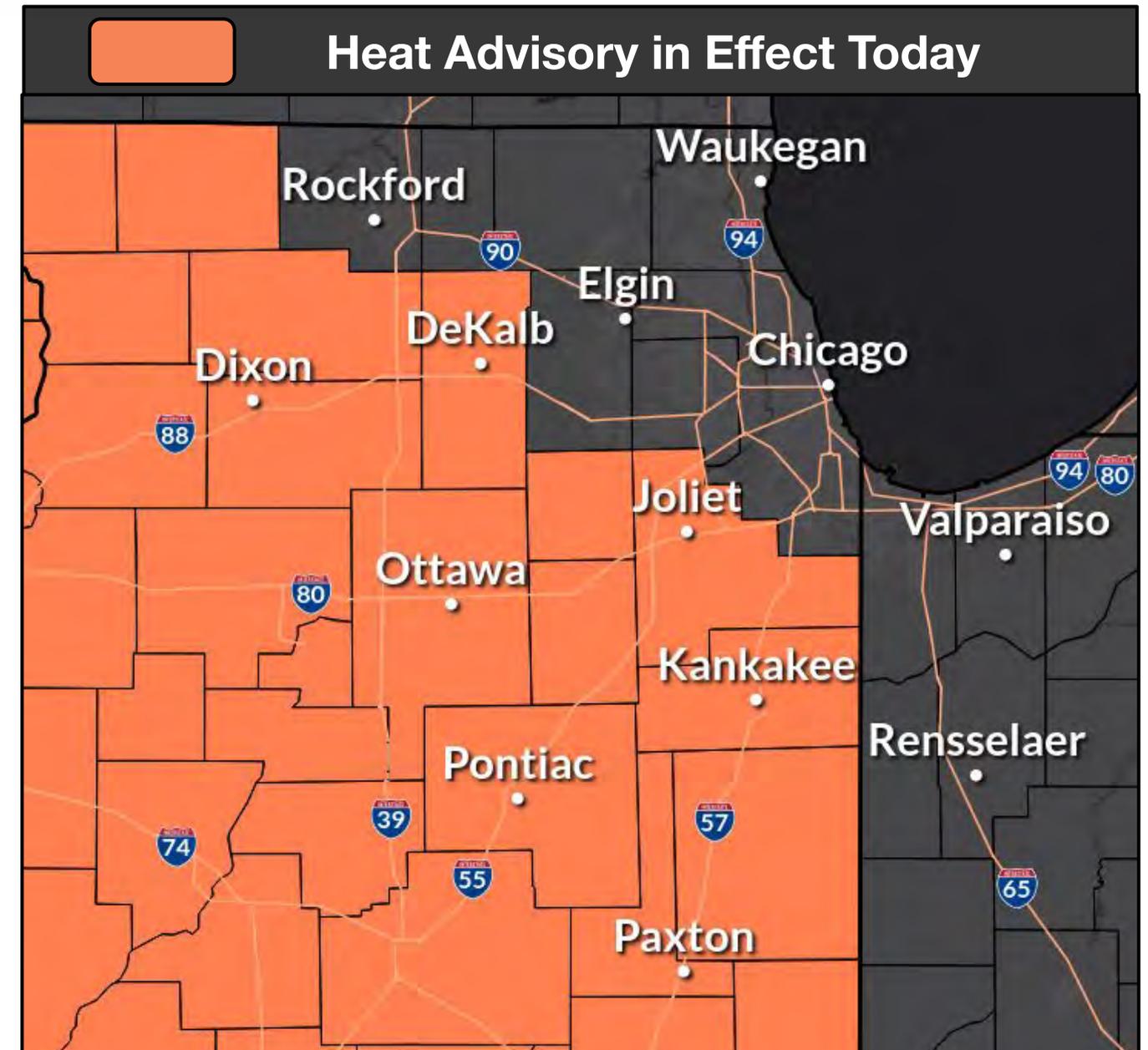
#### Stay in Air Conditioning

During the day



#### Consider Avoiding Outdoor Activities

During warm part of day





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A much cooler and quieter pattern sets up for the latter half of the week



## Mon

Very Humid!



Peak heat index:  
100-110°

H: 90-93°



Strong to severe  
L: 70-75°

## Tue

Humid



Cooler near lake

H: 81-87°



South of I-80  
L: 62-68°

## Wed



H: 77-81°



L: 55-64°

## Thu



Dangerous swimming conditions possible

H: 72-77°



L: 53-62°





## Additional Resources

### [Graphical Hazardous Weather Outlook](#)

*Helps to determine which days you need to be mindful of hazardous weather*

### [Severe Weather Preparedness](#)

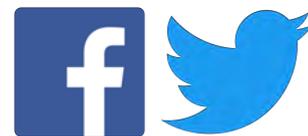
*Severe weather information and resources*

### [Event-Ready Webpage](#)

*For planning and monitoring weather events*

### [Heat Safety Information](#)

*Heat safety tips and resources*



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