



Severe Weather and Heavy Rain Briefing

August 24, 2023
6:24 AM

For Northern Ohio and Northwest Pennsylvania

Decision Support Briefing #4

→ As of 6 AM EDT, Thursday, August 24, 2023

NEW

Important Updates

- A Flood Watch expanded to include all of our Ohio Counties and extended until 8 AM Friday.
- Excessive Heat Warning issued for Lucas, Wood, and Hancock Counties from 12-9 PM today.
- Heat Advisory issued for Ottawa, Sandusky, Seneca, Wyandot, Crawford, Marion, Morrow and Knox Counties from 12-9 PM today.
- Ongoing storms are weakening, but another round of strong to severe storms is possible late this afternoon through this evening.



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

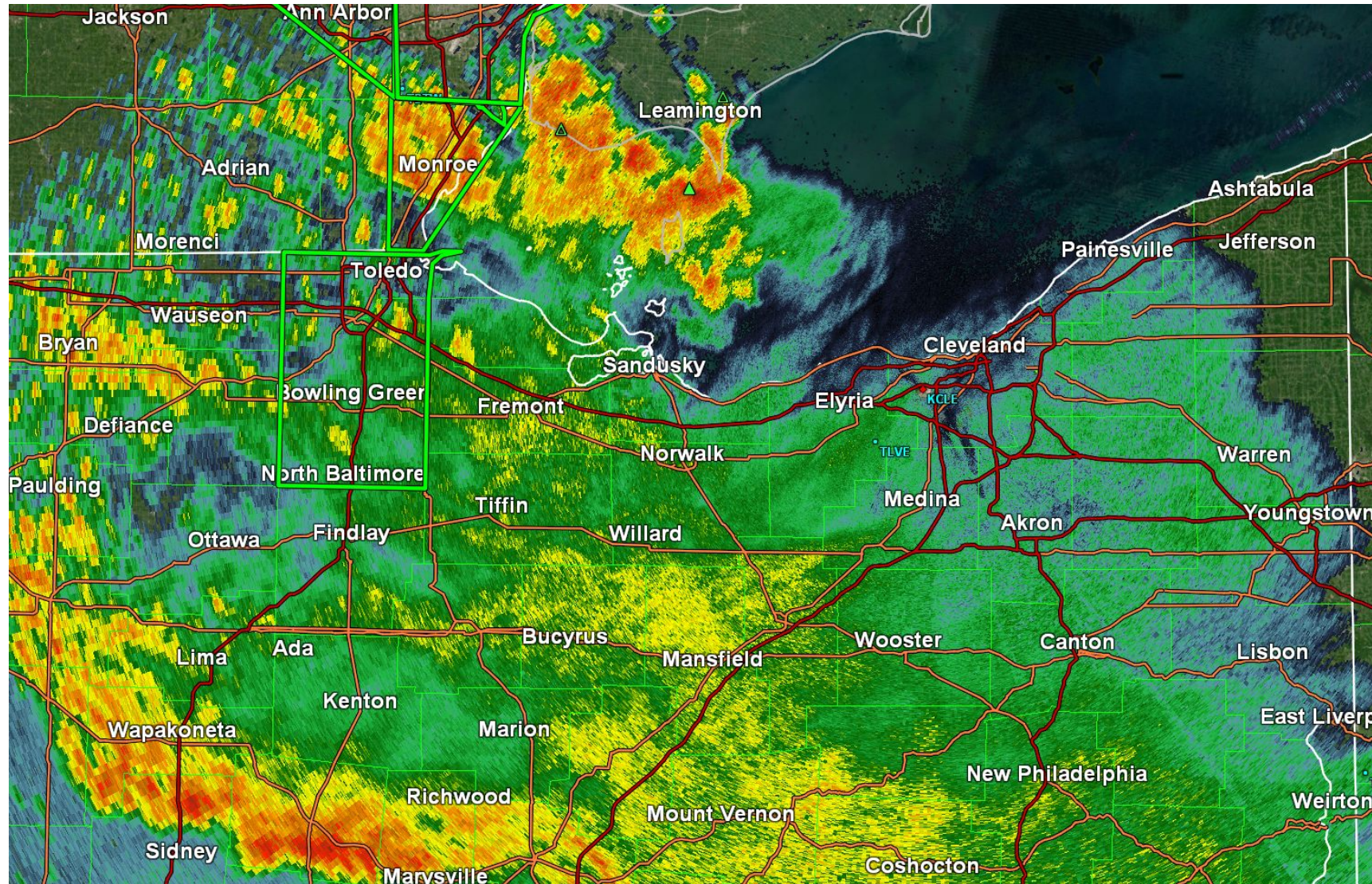
National Weather Service
Cleveland, OH



Current Radar & Flash Flood Warnings

August 24, 2023
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Valid as of 6:15 AM EDT Thursday, August 24, 2023



Key Points

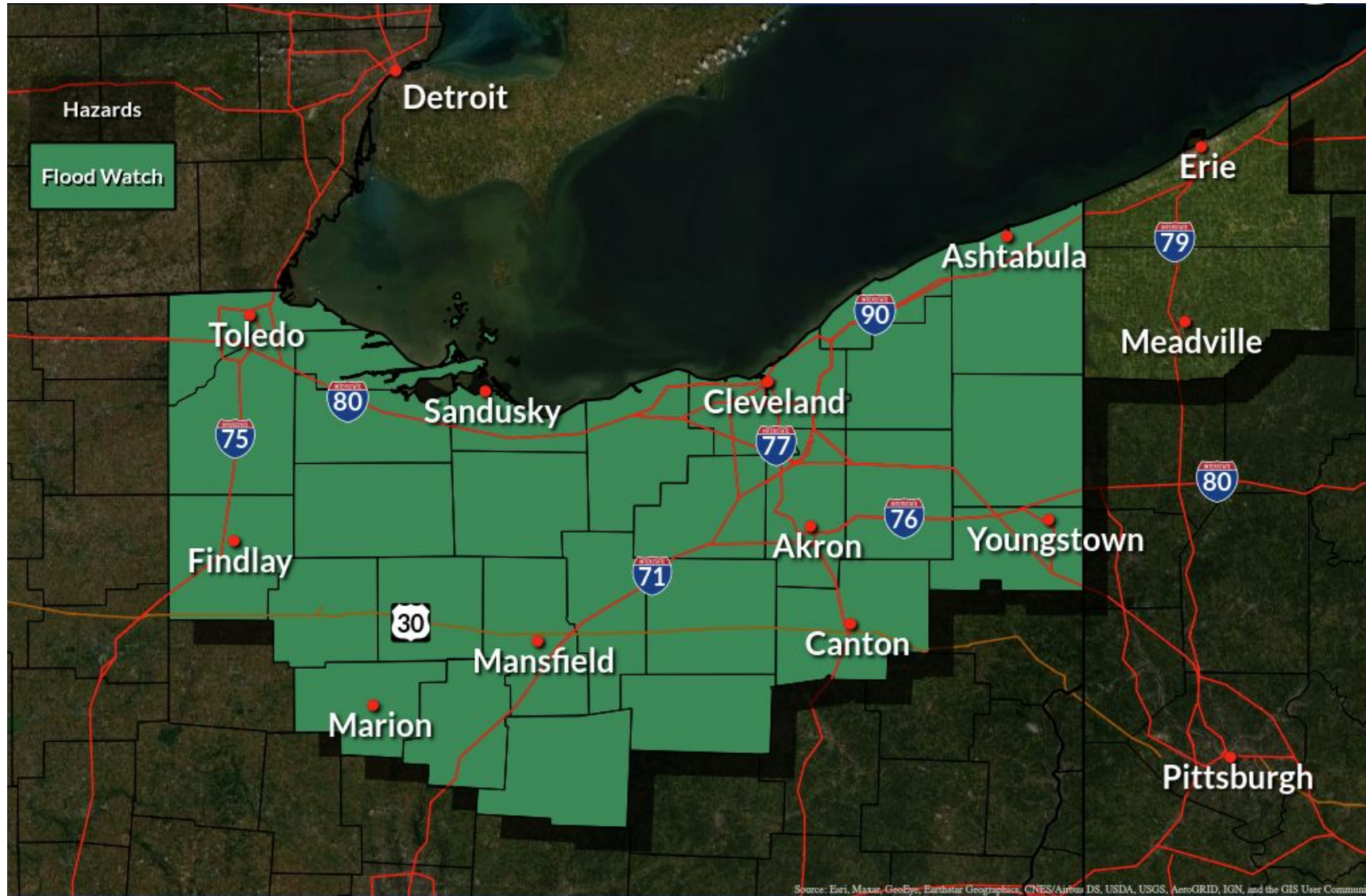
- Generally light to moderate rain still ongoing across most of our Ohio counties.
- Heavy rain over western Lake Erie is on a gradual weakening trend.
- Check [weather.gov/cle](https://www.weather.gov/cle) to check current watches, warnings and advisory in your area.
- All Flash Flood Warnings all scheduled to expire by 9:15 AM. Some may be replaced by an areal Flood Warning.





Flood Watch In Effect

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Timing



Through 8 AM Friday

Key Points

- Ongoing flooding to gradually recede.
- Another round of thunderstorms expected this evening.
- Additional rainfall amounts of 1-3" possible where heavier storms track.
- Flash flooding may quickly re-develop as the area is very prone after the flooding last night and early this morning.

Actions

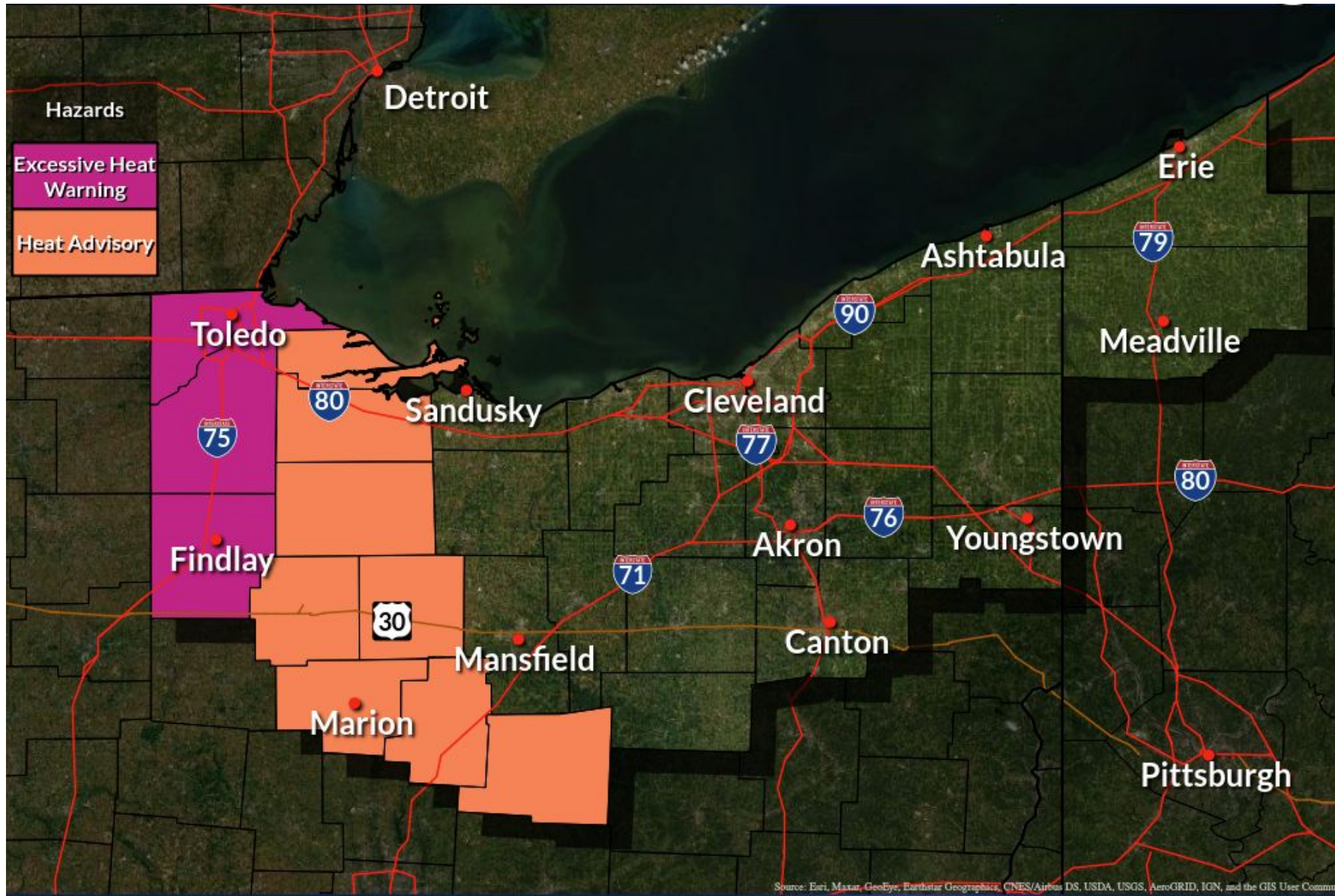
- Be weather aware and ready to act.
- Have multiple ways to receive warning information!





Excessive Heat Alerts Today

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Timing



12 PM to 9 PM Thursday

What

- Peak heat index values of 105 to 110 expected in the warning area
- Values of 100 to 105 likely in the advisory

Actions

- Stay hydrated and take frequent breaks if outside during the heat of the day.
- Check on vulnerable persons, especially those who don't have air conditioning.

Forecaster Confidence

- Medium. How quickly ongoing clouds and rain exit will impact high temperatures.



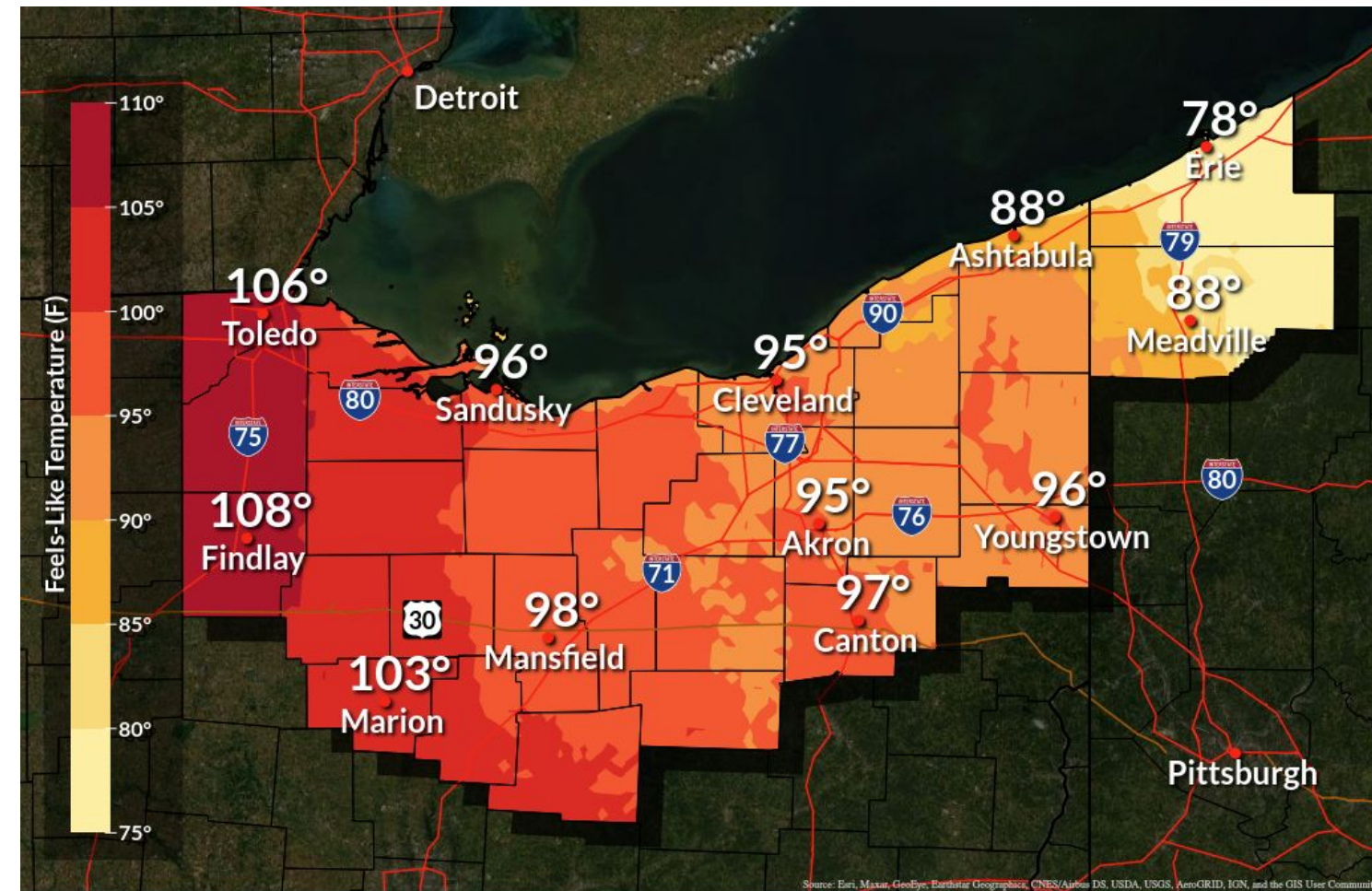
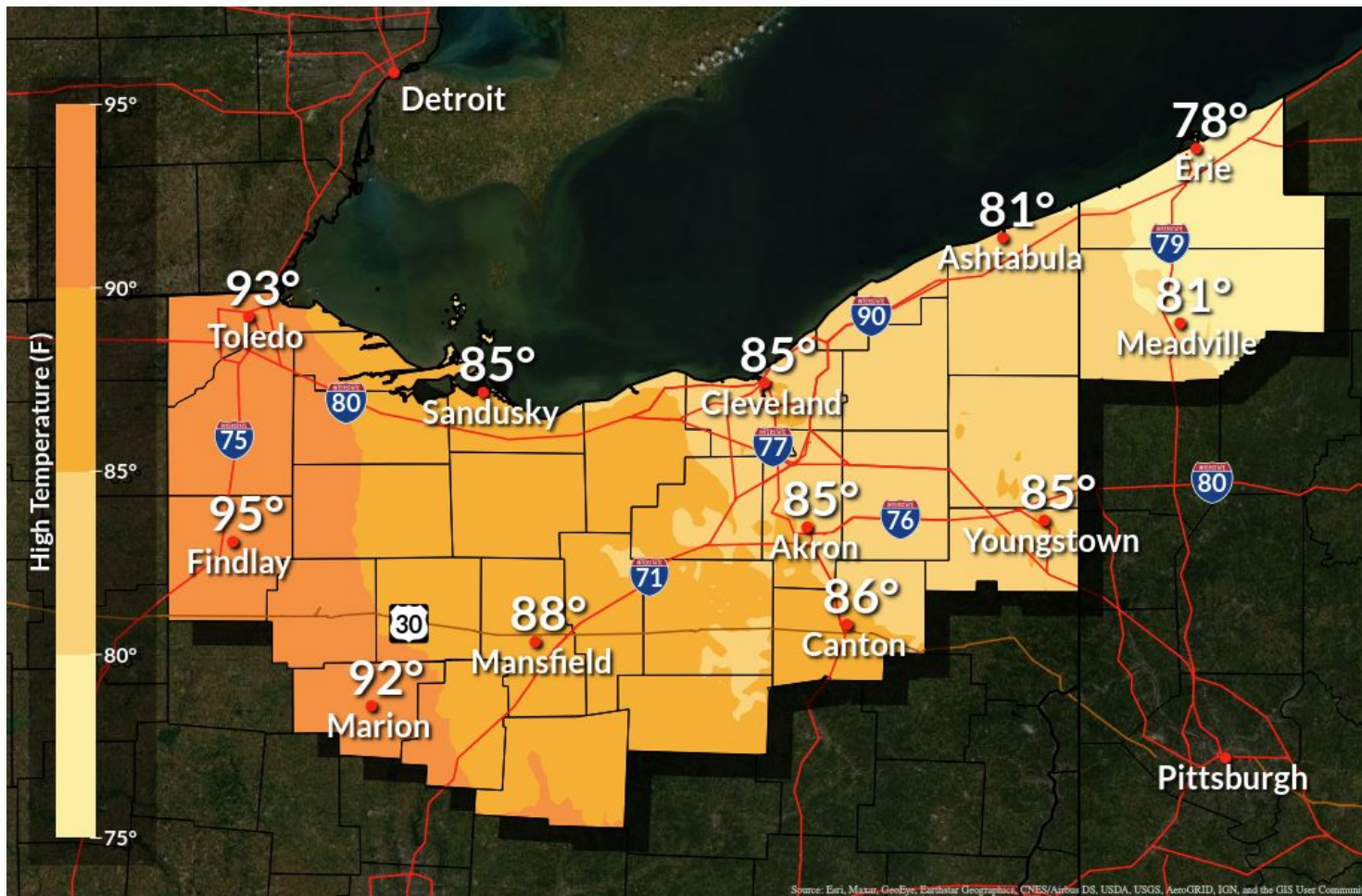


Thursday's Forecast Highs and Heat Indices

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Forecast Highs

Forecast Peak Heat Index

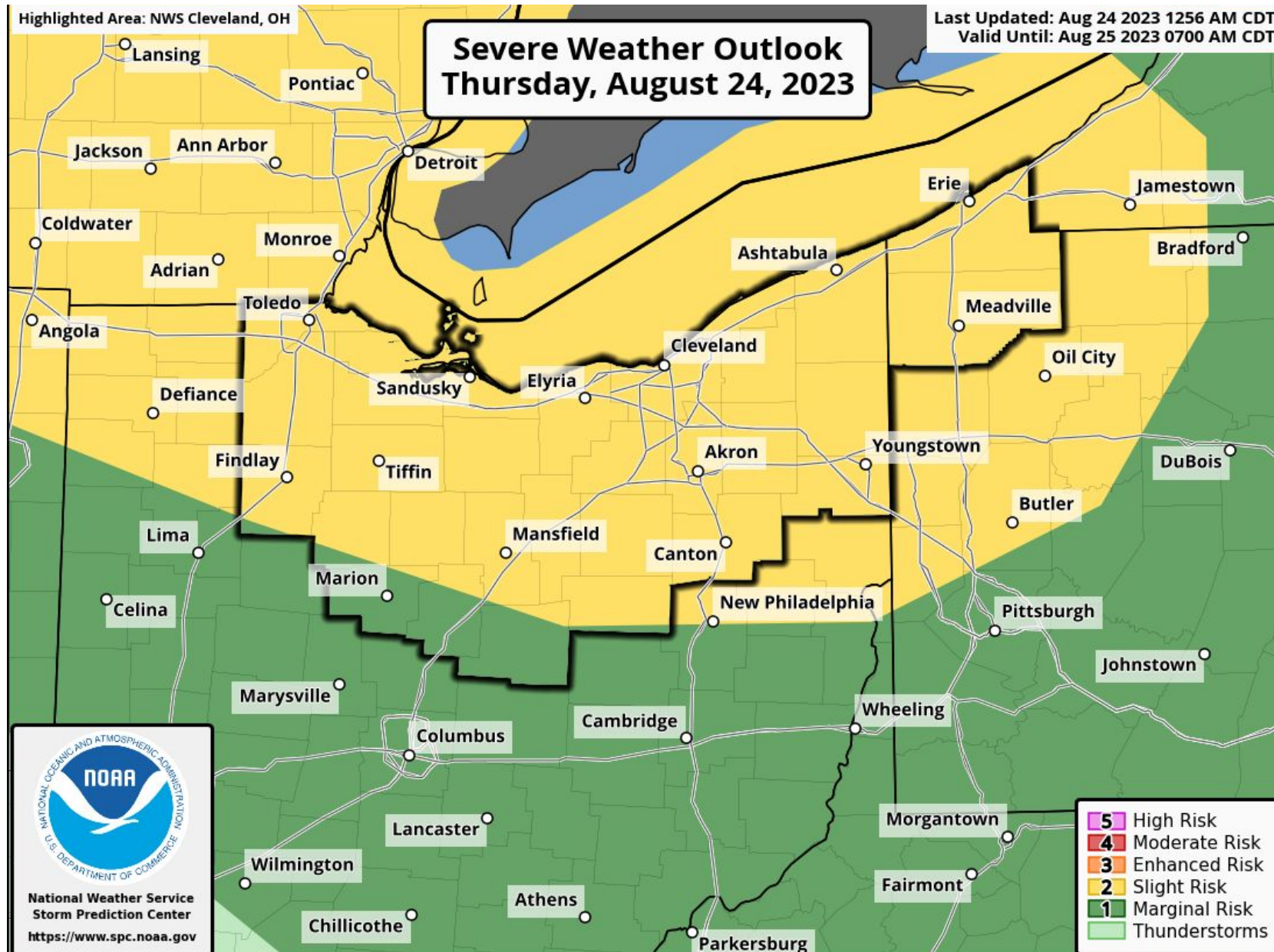




Severe Weather Outlook Today

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Slight Risk (risk level 2 out of 5) for severe thunderstorms



Timing



5 PM through Midnight this evening

Actions

- Be weather aware and ready to act.
- Have multiple ways to receive warning information!

Severe Threats



Damaging Wind

Scattered damaging wind gusts capable of downing trees and power-lines possible



Large Hail

Isolated quarter size (1") hail possible



Tornadoes

Marginal risk for a brief tornado or two



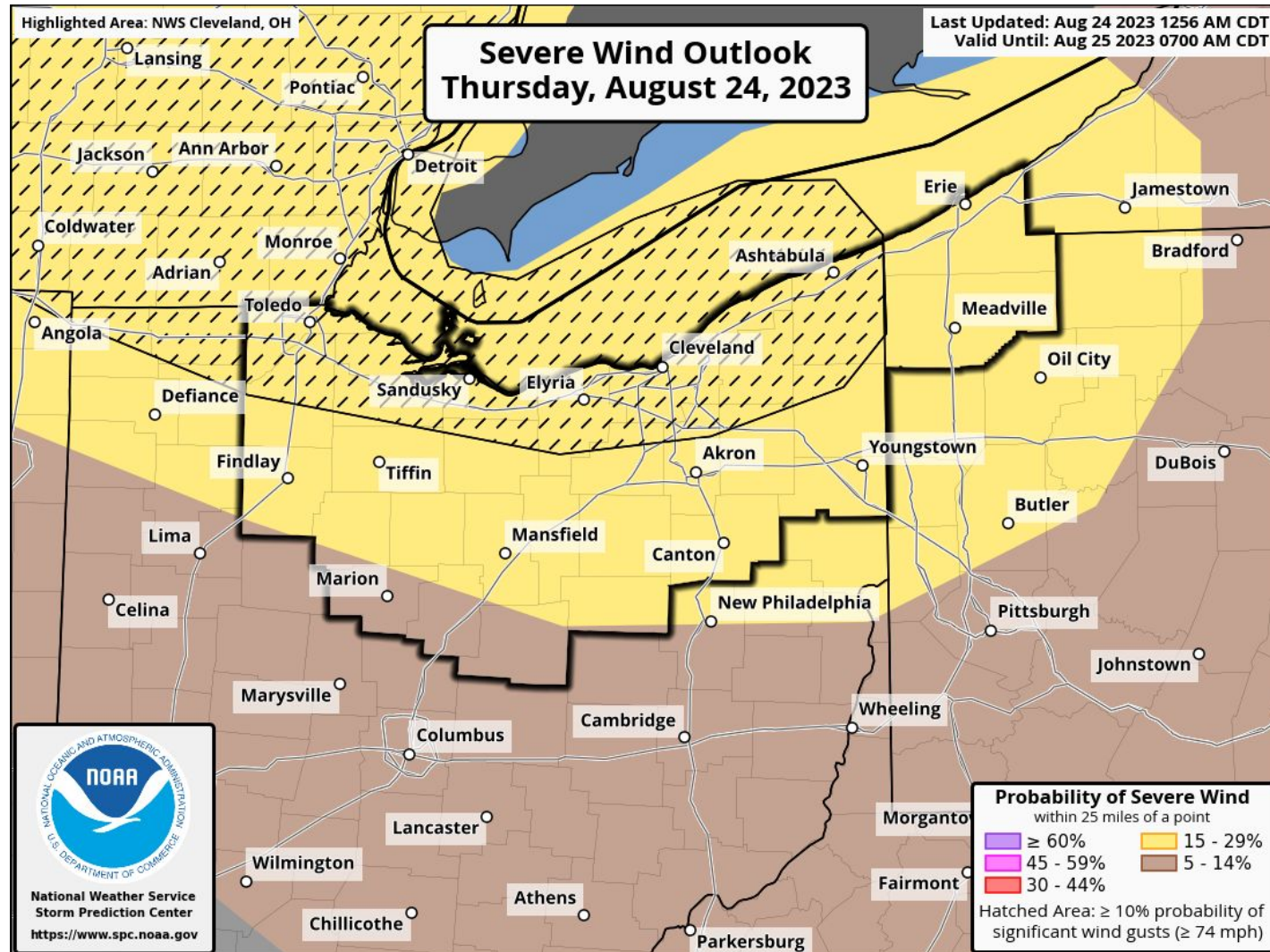


Wind and Hail Probabilities Today

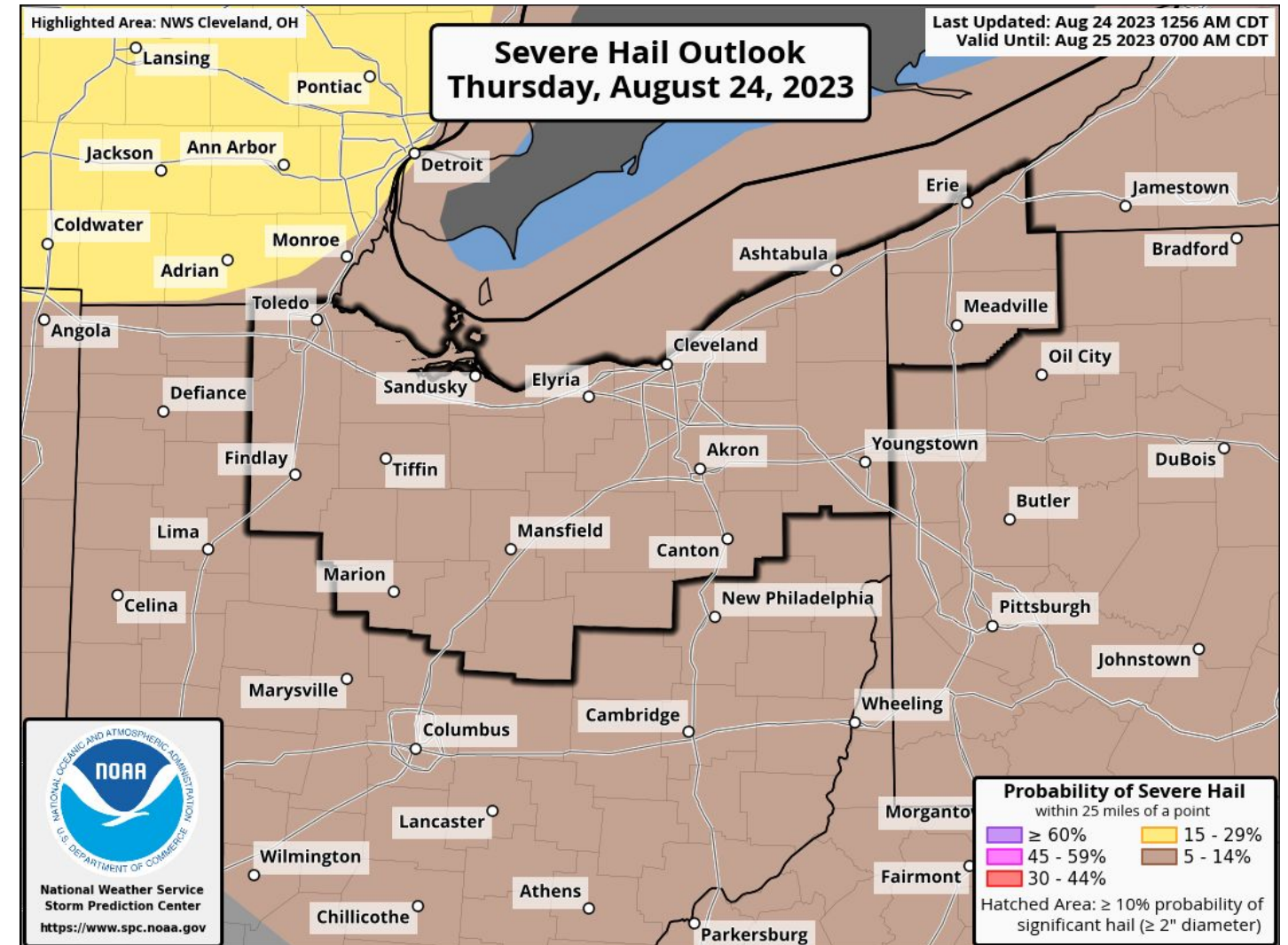
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Locally significant damaging winds may occur in or near the "hatched" area

Severe Wind Probability Today



Severe Hail Probability Today

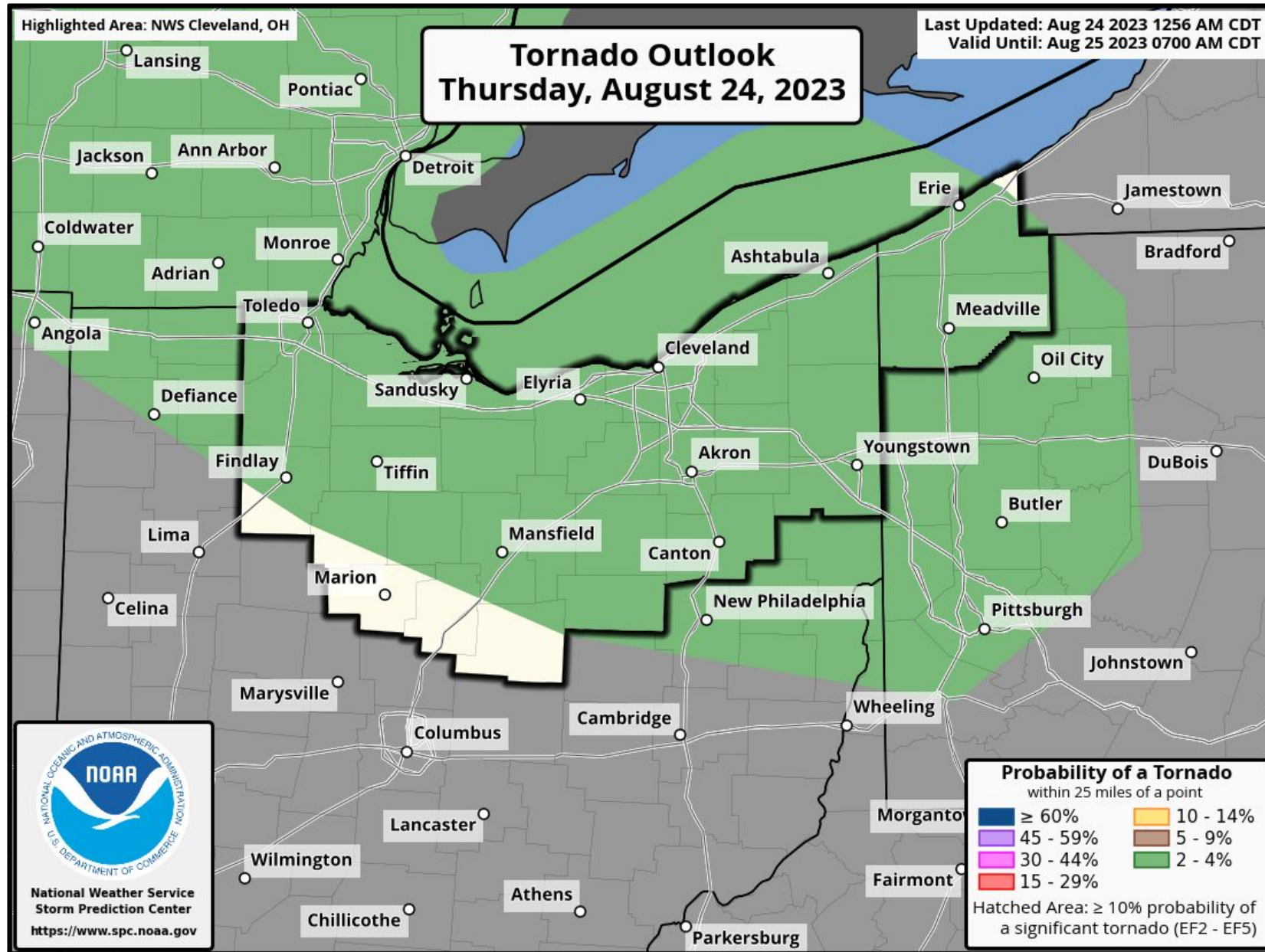




Tornado Threat Today

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A Marginal Risk (risk level 1 out of 5) for a brief tornado or two



Timing



5 PM through Midnight this evening

Actions

- Seek shelter immediately if a Tornado Warning is issued!
- Go to a basement! If a basement is unavailable go to the lowest interior room of a sturdy building.

Tornado Threat



Tornadoes can and do develop quickly. Conditions may be favorable for a tornado or two but timing and placement is unknown at this time.

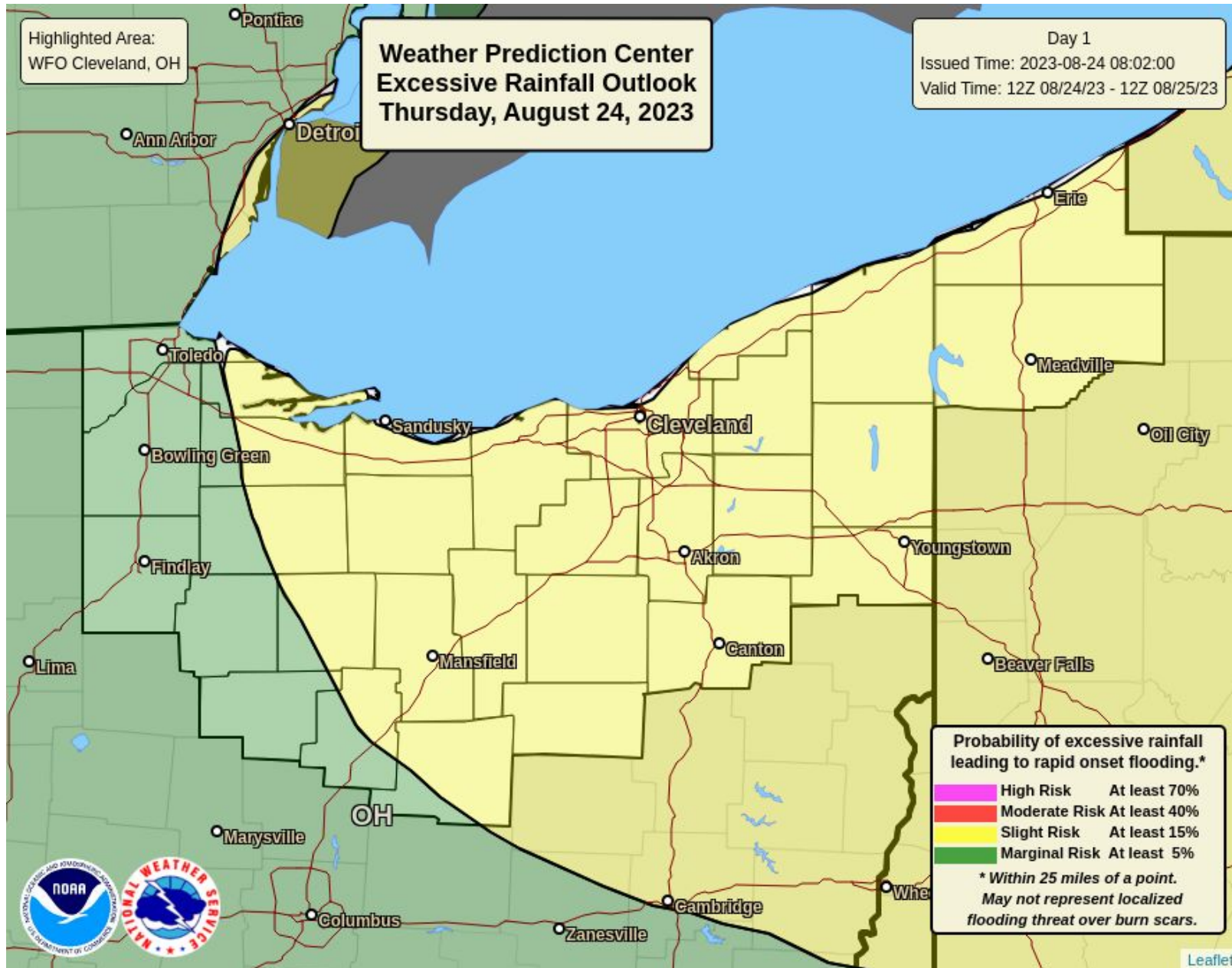




Excessive Rainfall Outlook Today

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Slight Risk (risk level 2 out of 4) for excessive rainfall



Flooding Threats



Heavy Rain

Thunderstorms may produce a quick 1-3" of rain across parts of the area this evening.



Flash Flooding

Renewed flash flooding may quickly develop where heavy rain tracks, especially where significant flooding occurred late Wednesday through early this morning.

Timing



Main heavy rain risk: 5 PM through midnight this evening. Flooding impacts may linger after rain ends.

Actions

- Be weather aware!
- Avoid flood waters!










Main Points - Slight Risk Today

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Severe Thunderstorm Risk Categories



Hazard	Impacts	Location	Timing
Wind 	Scattered severe storms may cause pockets of wind damage or power outages. Wind gusts to 70 mph possible.	Northern Ohio and Northwest Pennsylvania	5 PM through Midnight
Tornadoes 	A brief tornado or two is possible. Tornadoes can produce damage to trees and structures.	Northern Ohio and Northwest Pennsylvania	5 PM through Midnight
Hail 	A few storms may produce hail to quarter size (1" in diameter).	Northern Ohio and Northwest Pennsylvania	5 PM through Midnight
Lightning 	Thunderstorms will produce lightning. Move inside when you are close enough to hear thunder.	Northern Ohio and Northwest Pennsylvania	5 PM through Midnight
Flash Flooding 	Some thunderstorms will produce heavy rainfall. Flash flooding may quickly re-develop, especially in urban or low lying areas.	Northern Ohio and Northwest Pennsylvania	5 PM through Midnight Flooding impacts may linger after rain ends.





Event Summary - Today

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Be prepared for :



Damaging Wind

Scattered damaging wind gusts capable of downing trees and power-lines possible



Large Hail

Isolated quarter size (1") hail possible



Tornadoes

A brief tornado or two not ruled out



Flash Flooding

Scattered flash flooding possible

Timing:



Main Severe Risk: 5 PM through Midnight

Heavy rain and potential for flooding may linger longer into the overnight.

Impacts:

Scattered damaging wind gusts leading to downed trees and power outages and renewed flash flooding are the greatest potential impacts.

Forecast Confidence:

Medium. How quickly ongoing clouds and rain can clear will impact the later thunderstorm potential.





Contact and Next Briefing Information

August 24, 2023
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For National Weather Service Cleveland



Briefing Webpage

→ https://www.weather.gov/cle/quick_brief



Next Briefing

→ As Needed



Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: 12:00 AM Friday, August 25, 2023



Contact Information

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