



Hot and Humid & Thunderstorms Saturday

August 3, 2024
6:06 AM

Heat Advisory for much of the local region until 7PM this evening

Key Messages

- Hot and humid conditions will result in maximum heat index values in the mid 90s to near 100 today for much of the region.
- Showers and thunderstorms have potential to produce heavy rain and strong wind gusts. Localized severe weather will be possible as well as the potential for flash flooding. These will generally be more probable for more western locations.



Graphic Created
August 3rd, 2024
5:58 AM EDT

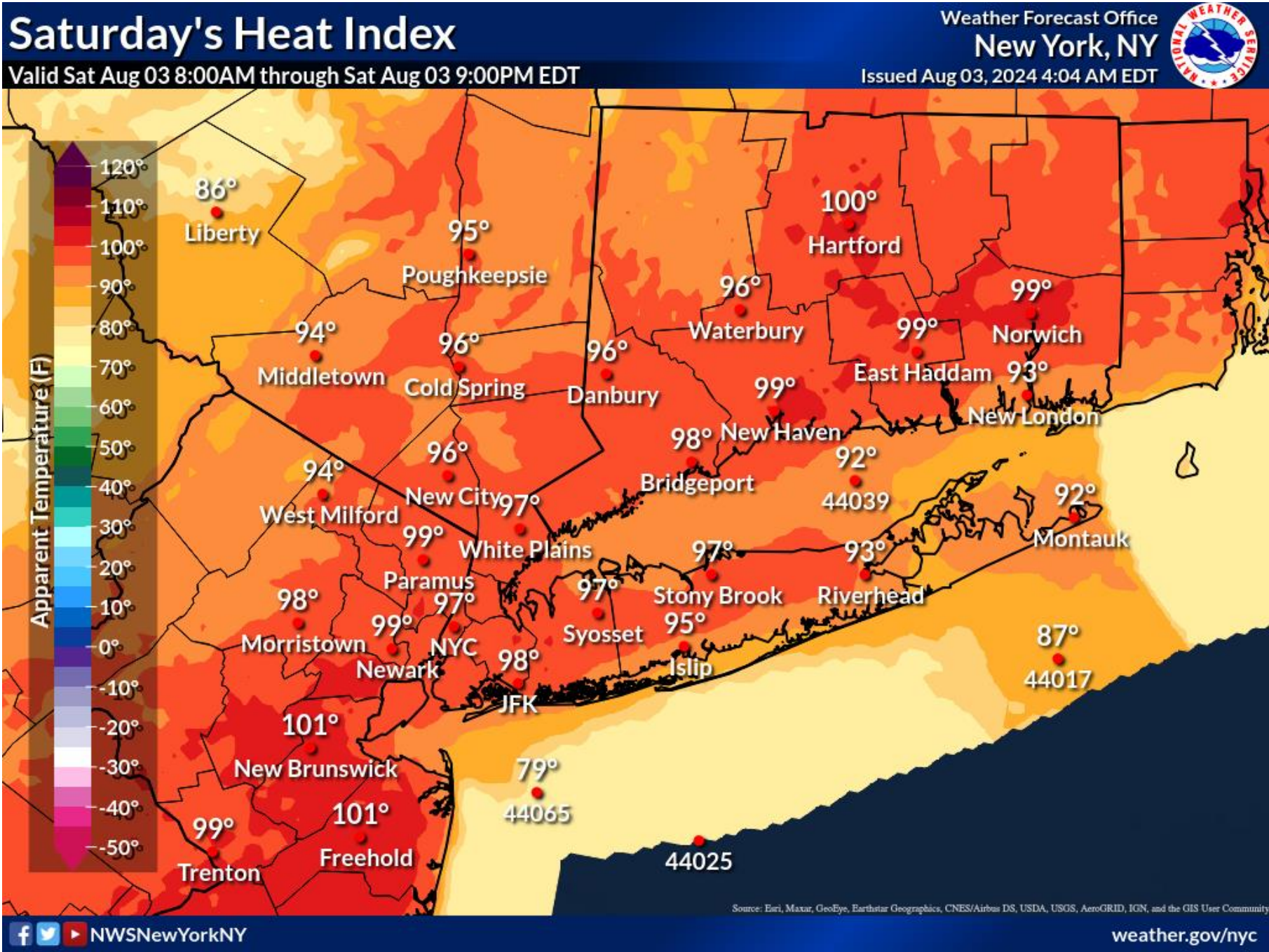
HAZARDS & IMPACTS	<ul style="list-style-type: none">▪ Max Heat Indices: Widespread mid 90s to near 100.▪ Low Temperatures: Mainly in the low to mid 70s.▪ Timing: Max heat indices between 1pm and 7pm.▪ Heat Impacts: There is an increased risk of heat-related illness for vulnerable populations with this event.▪ Showers/Thunderstorms: Potential for flash flooding as well as damaging wind gusts in excess of 58 mph. General timing for this late afternoon into evening.▪ Thunderstorm Impacts: Possible for some flooding of low lying and urban roads. Possible localized downed wires and tree limbs.
NWS ALERTS	<ul style="list-style-type: none">▪ Heat advisories remain in effect for much of the region. All heat advisories end at 7PM this evening.▪ Heat advisories expanded into the following counties:<ul style="list-style-type: none">- in NY, Orange, Putnam- in CT, Southern Middlesex▪ If flood or severe threat increases, watches may be needed.
FORECAST CHALLENGES	<ul style="list-style-type: none">▪ Exact timing of showers and thunderstorms as well as exact rainfall amounts▪ Afternoon/evening showers and thunderstorms may lower max heat indices at times and will be dependent on the timing of showers and thunderstorms.
NEXT BRIEF	<p>This will be final briefing, unless significant forecast changes warrant an additional update.</p>



Maximum Heat Index for Today

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Saturday, August 3rd, 2024



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

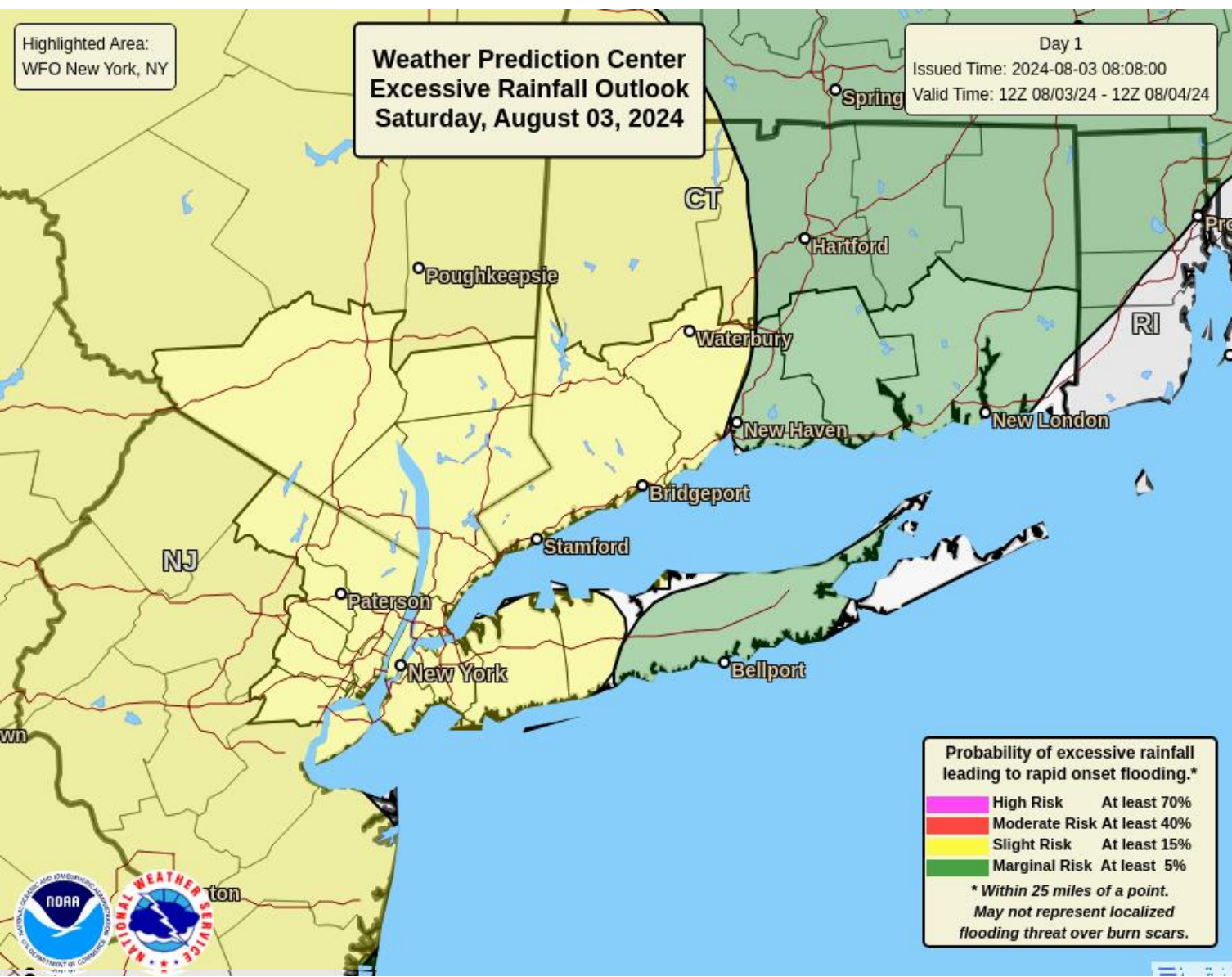
National Weather Service
New York, NY



Excessive Rainfall Outlook

August 3, 2024
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Saturday, August 3rd, 2024



Understanding WPC Excessive Rainfall Risk Categories

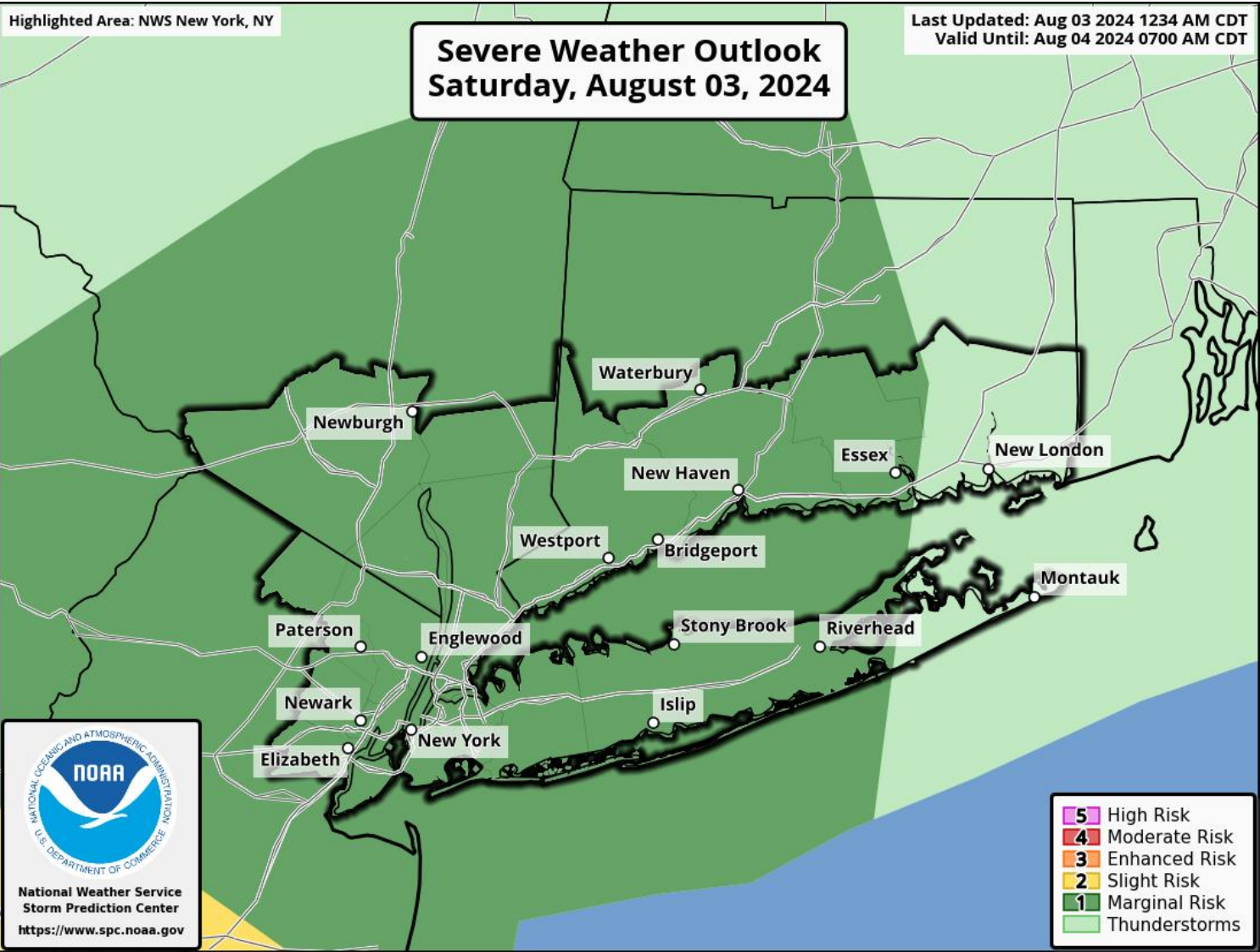
No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.
@NWSWPC				
Flash flooding near me?	Flash Flooding			
	NO Flash Flooding			



Severe Thunderstorm Outlook

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Understanding Severe Thunderstorm Outlook Categories						
LEVEL	CATEGORY	DETAILS	SUMMARY	How many severe storms are possible?	How bad could the worst storms be?	DEFINITIONS
	General Thunderstorm	Although severe weather is not expected, <i>all</i> thunderstorms can produce deadly lightning, gusty winds, and small hail.	No severe thunderstorms expected	<div><div></div></div>	Similar to storms your area experiences many times per year	Severe Storm Any storm that contains at least one of the following:
1	Marginal (MRGL)	Some storms could be capable of damaging winds and severe hail. Localized tornado threat could develop.	Isolated severe storms possible	<div><div></div></div>	Similar to storms your area may experience several times per year	Wind gusts of at least 58 mph Hail at least one inch in diameter Tornado
2	Slight (SLGT)	Increased confidence that some storms will contain damaging winds, severe hail, and/or tornado potential.	Isolated to scattered severe storms expected	<div><div></div></div>	Similar to storms your area may experience a few times per year	

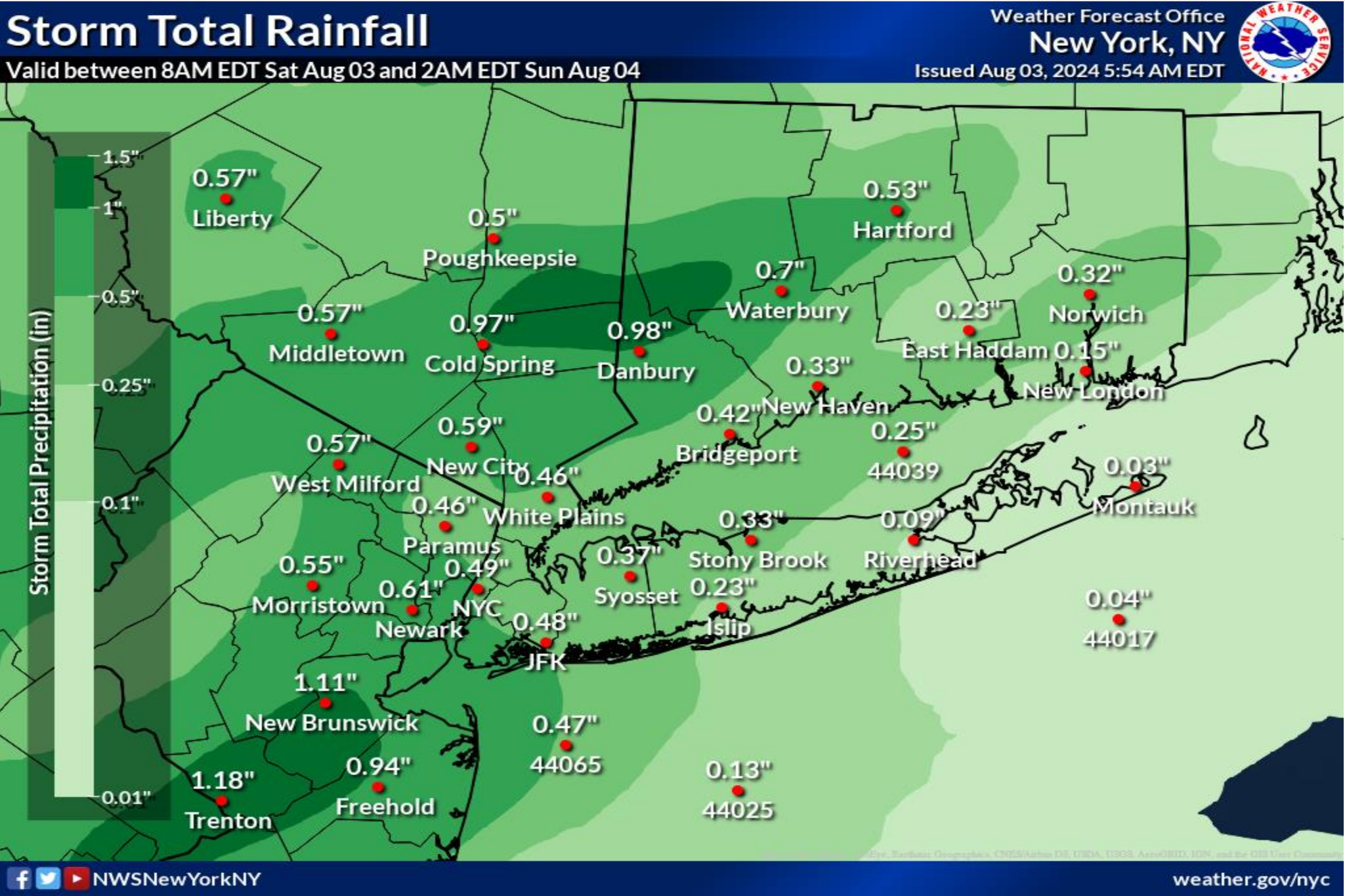




Rainfall Forecast

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Today Through Tonight



Locally higher rainfall
amounts will be possible



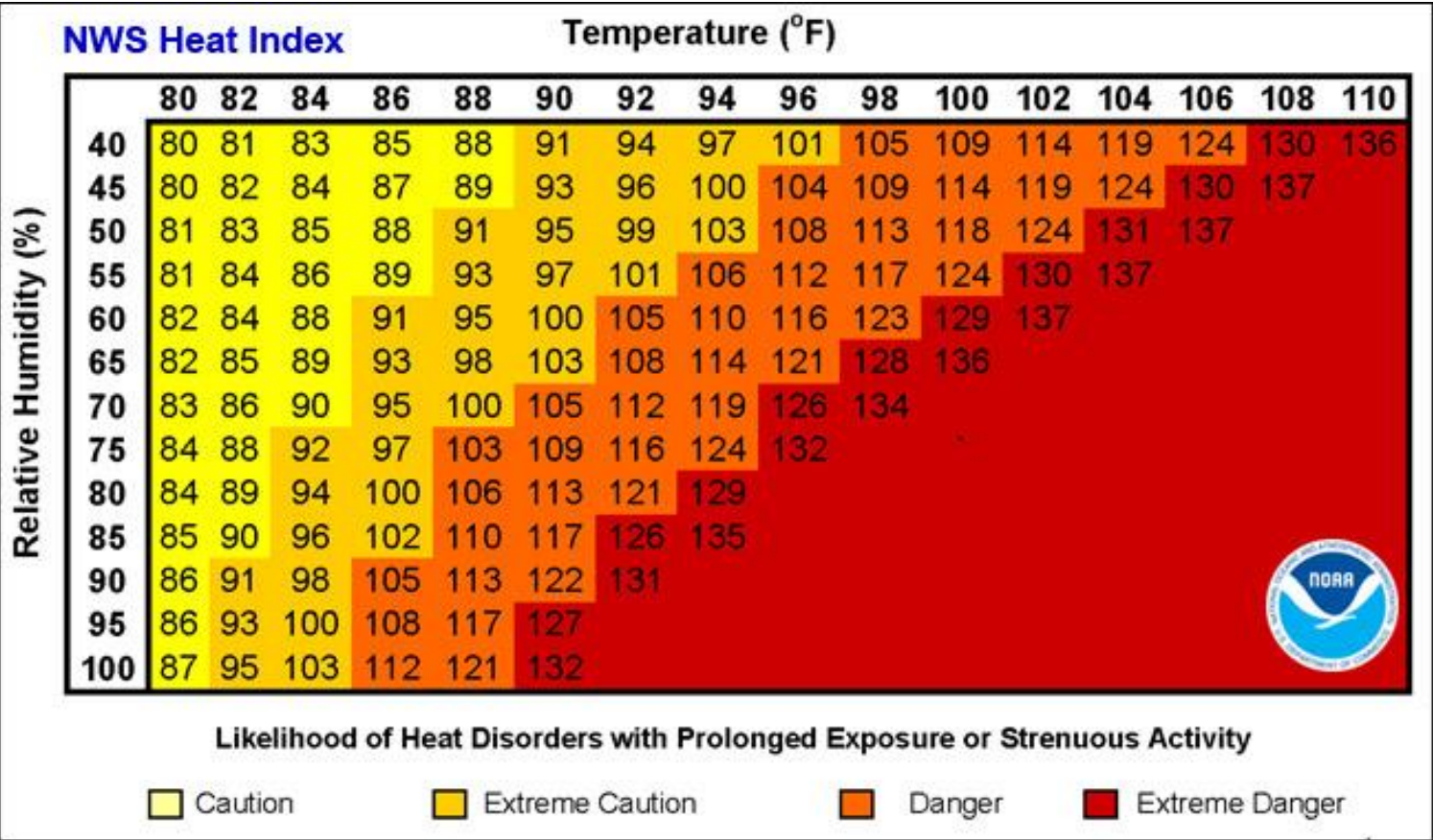
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
New York, NY



NWS Heat Index and Effects

The heat index is a measure of how hot it really feels when relative humidity is factored in with air temperature. You can use this chart to find the heat index yourself. For more information on Heat Safety, please go to: <https://www.weather.gov/safety/heat>



Classification	Heat Index	Effect on the body
Caution	80°F - 90°F	Fatigue possible with prolonged exposure and/or physical activity
Extreme Caution	90°F - 103°F	Heat stroke, heat cramps, or heat exhaustion possible with prolonged exposure and/or physical activity
Danger	103°F - 124°F	Heat cramps or heat exhaustion likely, and heat stroke possible with prolonged exposure and/or physical activity
Extreme Danger	125°F or higher	Heat stroke highly likely





Practice HEAT SAFETY Wherever You Are

Heat related **deaths** are preventable.
Protect yourself and others from the
impacts of heat waves.



[weather.gov/heat](https://www.weather.gov/heat)



Job Sites

Stay hydrated and
take breaks in the shade
as often as possible



Indoors

Check up on the
elderly, sick and those
without AC



Vehicles

Never leave kids or
pets unattended -
LOOK before you LOCK



Outdoors

Limit strenuous outdoor
activities, find shade,
and stay hydrated

<https://www.weather.gov/wrn/heat> infographics

