

High Heat and Humidity/Severe Thunderstorm Threat Today



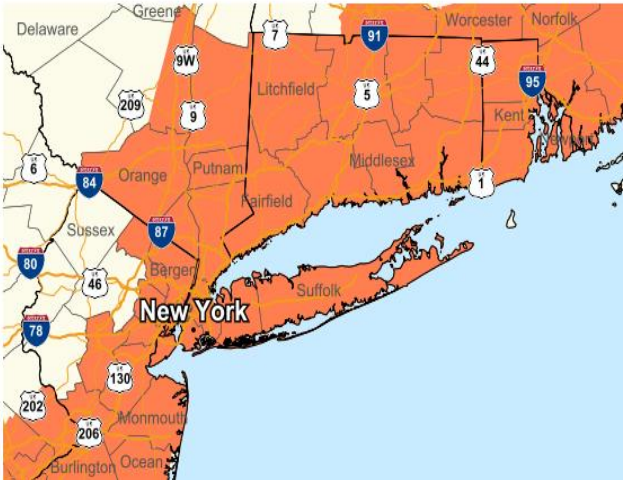
New York, NY
WEATHER FORECAST OFFICE

OVERVIEW

- High heat and humidity continues today with heat advisories remaining in effect until 8 pm.
- Scattered strong to severe thunderstorms are possible this afternoon and evening with a cold front passage.
- The cold front passage will bring cooler and drier conditions Sunday into next week.



Excessive Heat



Graphic Created
July 29th, 2023
4:35 AM EDT

HAZARDS & IMPACTS

Max Heat Index This Afternoon

- 95 to 100°F, highest across NE NJ and NYC. .
- Heat Impacts** – The heat and humidity will significantly increase the potential for heat related illnesses, particularly for those working or participating in outdoor activities.

Severe Thunderstorm Potential This Afternoon and Evening

- Potential Impacts:**
 - Damaging Wind: Wind gusts of 58 to 70 mph could damage trees and power lines and result in scattered power outages.
 - Low risk for a brief tornado.
 - Localized large hail to 1 inch in diameter could result in minor damage to motor vehicles.
 - Localized flash flood threat if multiple storms move over the same area, with rainfall rates of 1 to 2”/hr
- Timing:** 3 pm to 9 pm from northwest to southeast.

NWS ALERTS

- Heat Advisory through 8 pm.

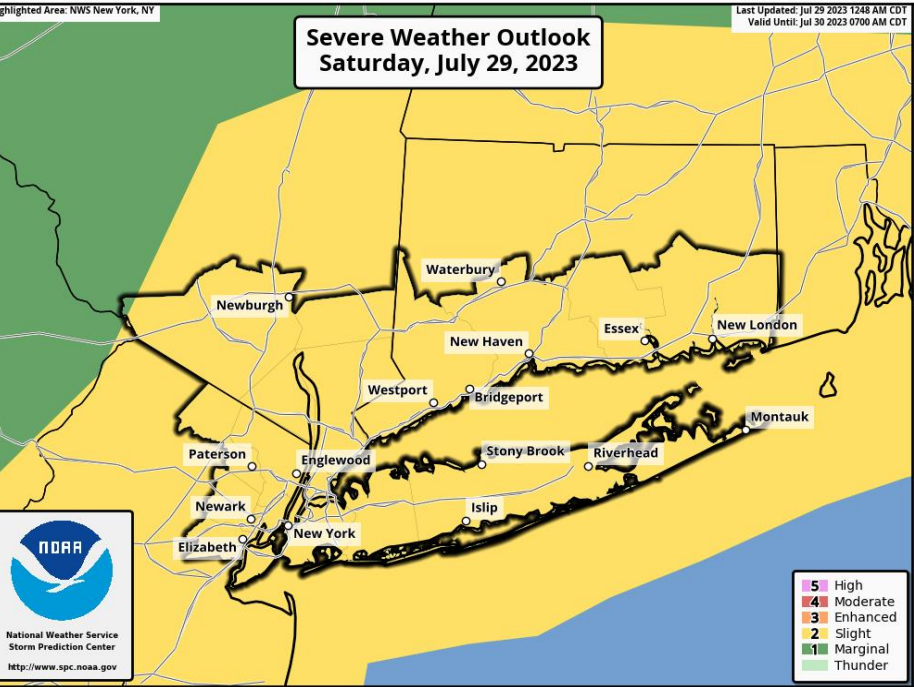
NEXT BRIEFING

- Last briefing for this event unless there are significant changes to the forecast.

Severe Weather Outlook for Saturday



New York, NY
WEATHER FORECAST OFFICE



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, all thunderstorms can produce deadly lightning, gusty winds, and small hail.	No severe thunderstorms expected		Similar to storms your area experiences many times per year	Severe Storm Any storm that contains at least one of the following: Wind gusts of at least 58 mph
1	Marginal (MRGL)	Some storms could be capable of damaging winds and severe hail. Localized tornado threat could develop.	Isolated severe storms possible		Similar to storms your area may experience several times per year	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. <i>A few severe storms could be significant</i>	Isolated to scattered severe storms expected		Similar to storms your area may experience a few times per year	Significant Severe Any of the following hazards: Wind gusts of at least 75 mph Hail at least two inches in diameter Tornado of at least EF-2 rating
3	Enhanced (ENH)	High confidence that several storms will contain damaging winds, severe hail, and/or tornadoes. <i>Several severe storms could be significant</i>	Scattered to numerous severe storms expected		Similar to intense storms your area may only experience once or twice per year	
4	Moderate (MDT)	High confidence that many storms will contain damaging winds, severe hail, and/or tornadoes. <i>Several severe storms likely to be significant</i>	Scattered to numerous severe storms expected		Similar to intense storms your area may only experience once per year or less	
5	High (HIGH)	High confidence that an outbreak of storms will contain tornadoes, damaging winds, and/or severe hail. <i>Tornado outbreak and/or widespread damaging winds</i>	Numerous severe storms expected		Very intense storms your area may only experience once or twice in a lifetime	



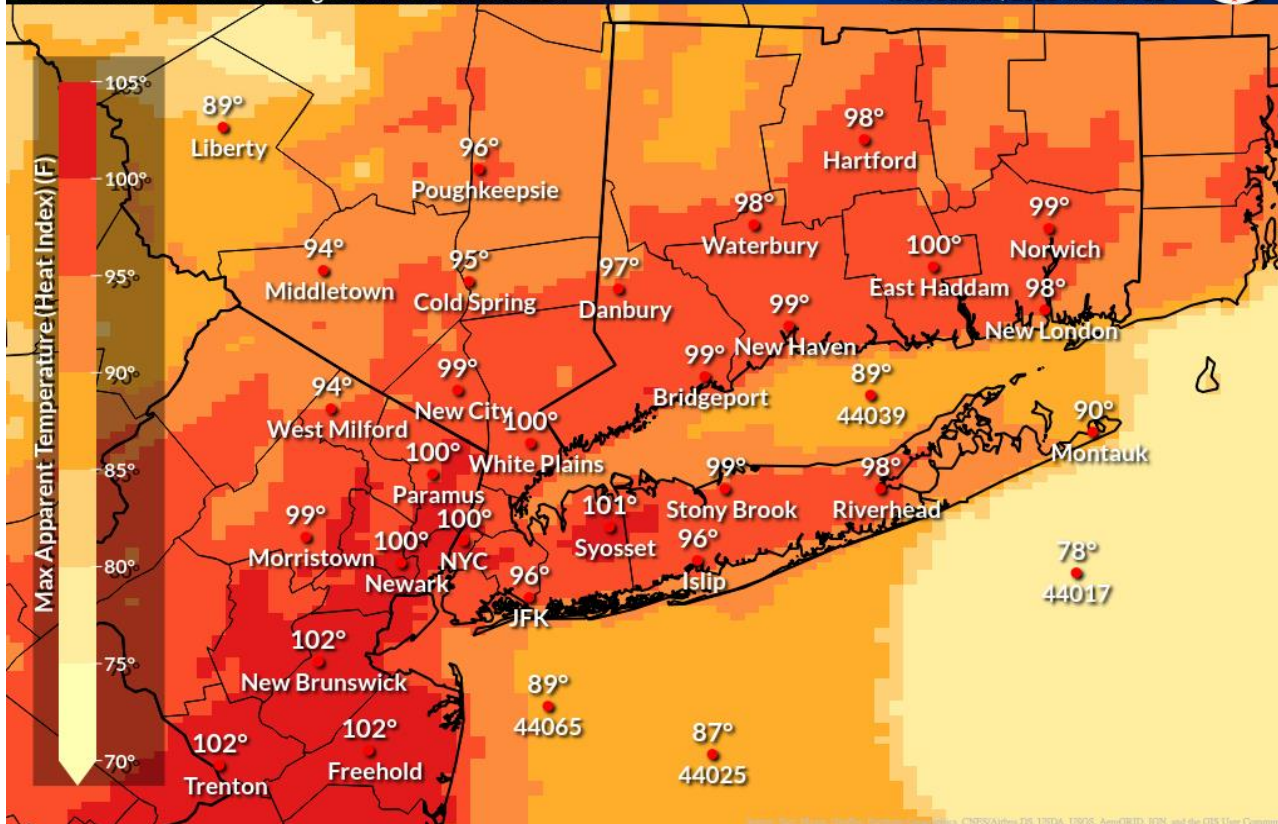
Saturday's Heat Index

Valid Sat Jul 29 8:00AM through Sat Jul 29 9:00PM EDT

Weather Forecast Office

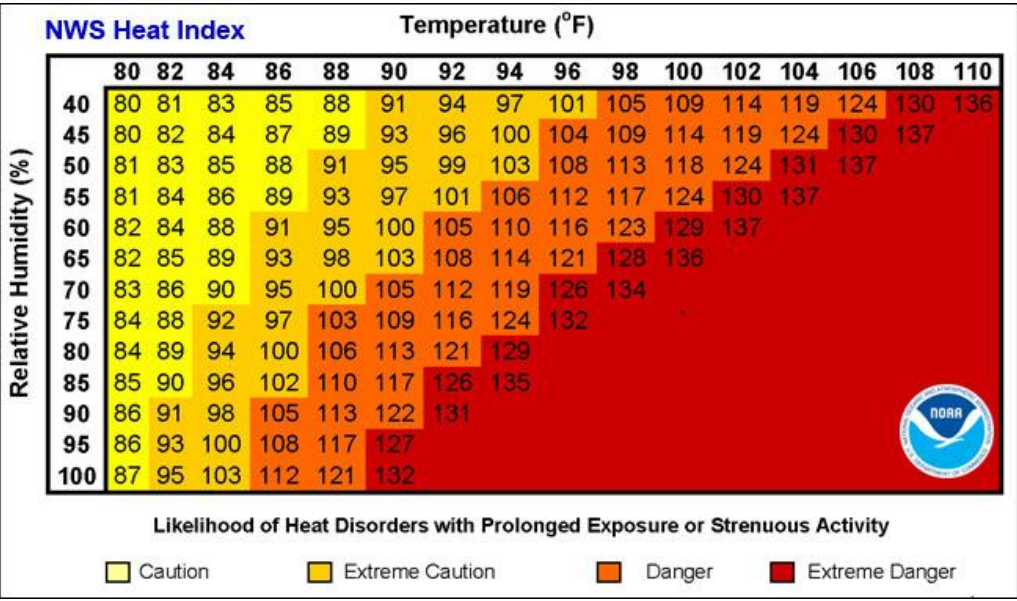
New York, NY

Issued Jul 29, 2023 4:19 AM EDT





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



Heat Impacts: *Vulnerable Populations*



PREGNANT



NEWBORNS



CHILDREN



ELDERLY



CHRONIC ILLNESS

Everyone is at risk from the dangers of extreme heat, but these groups are more vulnerable than most. Age and certain conditions make the body less able to regulate temperature.



NEVER leave anyone alone in a closed car



Drink plenty of water, even if not thirsty



Use air conditioners and stay in the shade



Wear loose-fitting, light-colored clothing

weather.gov



https://www.weather.gov/wrn/heat_infographics