



High Heat, Humidity And Thunderstorms

July 16, 2024
4:44 AM

Key Messages

- High heat and humidity will continue with heat indices approaching or exceeding 100°F today and Wednesday. Heat advisories have been expanded to include most of southern CT and Long Island on Wednesday.
- Isolated to scattered thunderstorms, some severe, are possible during the afternoon and evening hours of both today and Wednesday.

HAZARDS & IMPACTS

Max Heat Indices:

- Tuesday and Wednesday:** Mid 90s to low 100s in advisory area.
- Timing:** Max heat indices between noon and 6 PM both days.
- Impacts:** There is an increased risk of heat-related illness for vulnerable populations with this event.

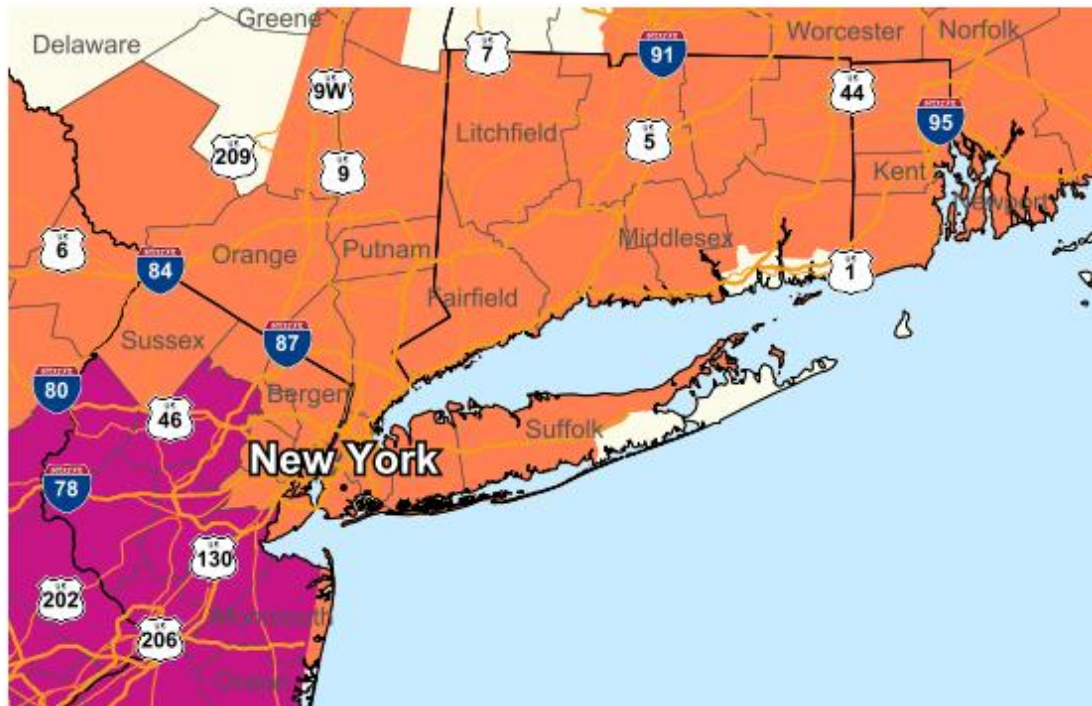
Thunderstorm Potential:

- Isolated to scattered thunderstorms are possible during the late afternoon and evening hours of both today and Wednesday. These storms could be strong to severe and produce torrential downpours. The primary threat is damaging wind gusts for both days, but large hail is possible today as well.



Excessive Heat

- Excessive Heat Warning
- Heat Advisory



Graphic Created
July 16th, 2024
4:27 AM EDT

NWS ALERTS

Heat Advisory:

- All locations except the south fork of Long Island and coastal New London County in CT through Wednesday evening.

Additional Details

- There is uncertainty with the timing of showers and thunderstorms as well as the amount of cloud cover ahead of an approaching cold front on Wednesday. This could impact the amount of heating on Wednesday.

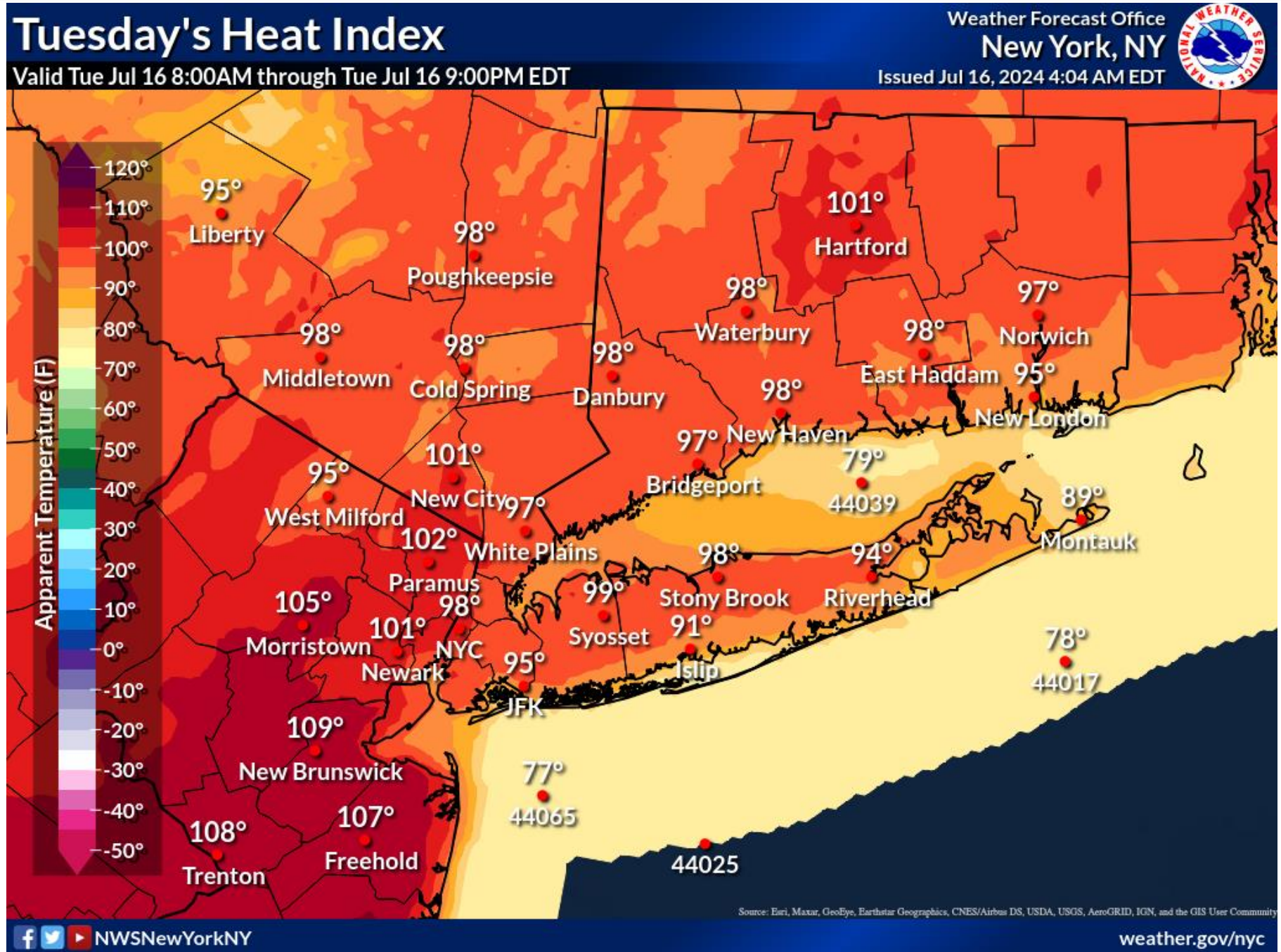
NEXT BRIEF

By 6 PM this evening.



Maximum Heat Index

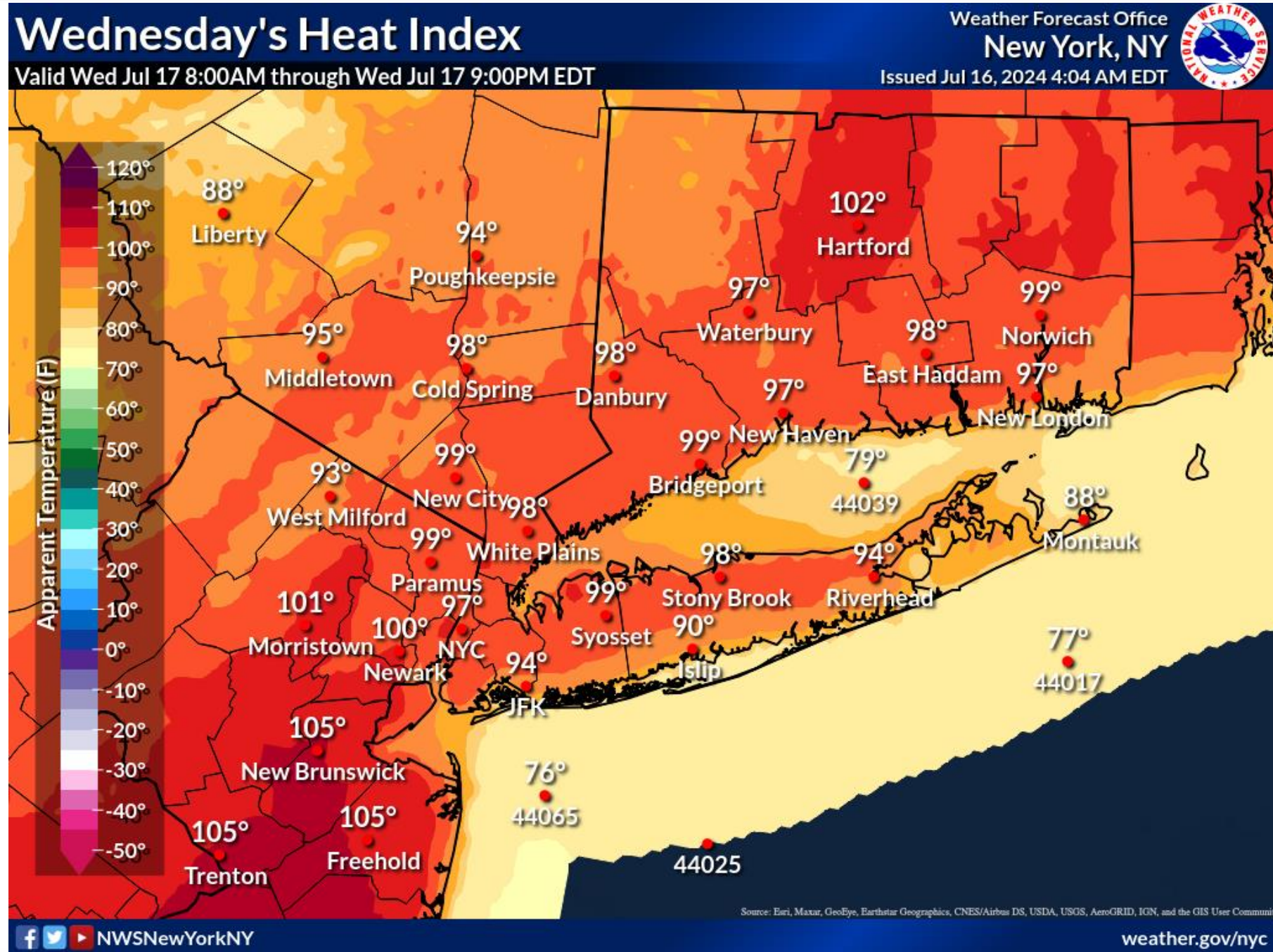
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Maximum Heat Index

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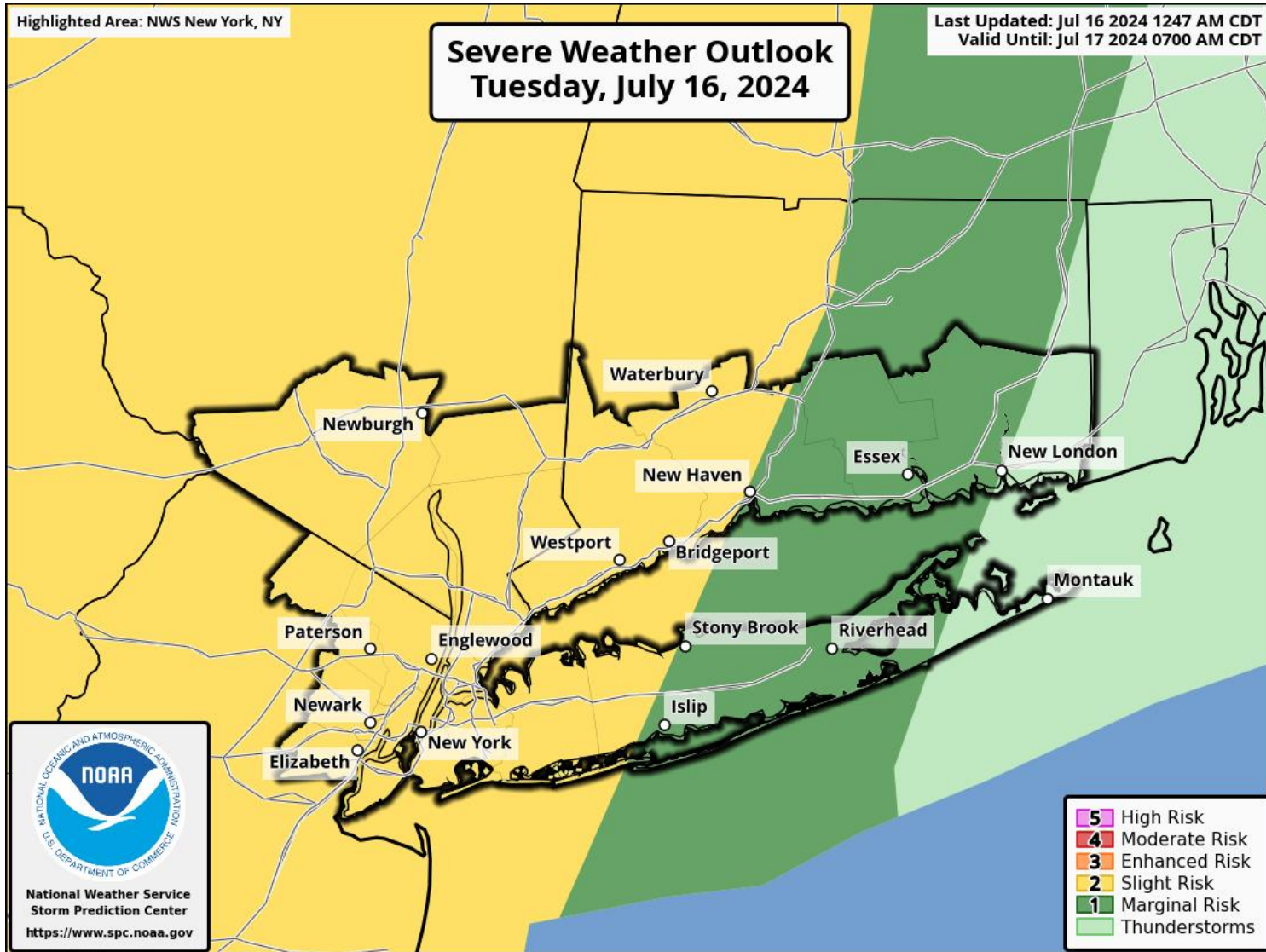




Severe Thunderstorms Outlook

July 16, 2024
4:44 AM

Tuesday July 16th



Understanding Severe Thunderstorm Outlook Categories



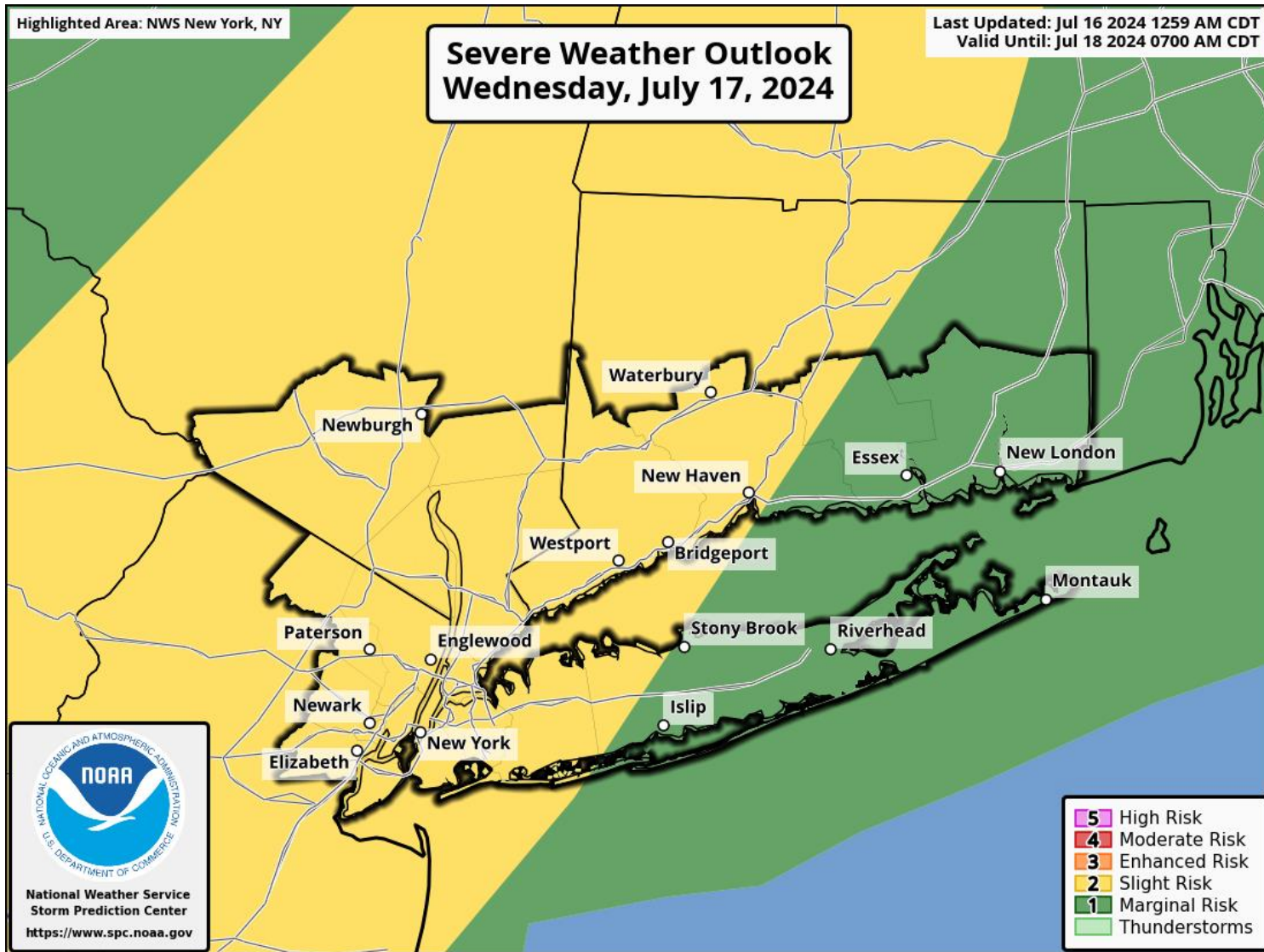
LEVEL	CATEGORY	DETAILS	SUMMARY	How many severe storms are possible?	How bad could the worst storms be?	DEFINITIONS
	General Thunderstorm	Although severe weather is not expected, <i>all</i> thunderstorms can produce deadly lightning, gusty winds, and small hail.	No severe thunderstorms expected	None to Numerous	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 Hail at least one inch in diameter Tornado
1	Marginal (MRGL)	Some storms could be capable of damaging winds and severe hail. Localized tornado threat could develop.	Isolated severe storms possible	None to Numerous	Similar to storms your area may experience several times per year	
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	None to Numerous	Similar to storms your area may experience a few times per year	
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	None to Numerous	Similar to intense storms your area may only experience once or twice per year	Significant Severe Any of the following hazards:
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	None to Numerous	Similar to intense storms your area may only experience once per year or less	Wind gusts of at least 75 mph Hail at least two inches in diameter
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	None to Numerous	Very intense storms your area may only experience once or twice in a lifetime	Tornado of at least EF-2 rating



Severe Thunderstorms Outlook

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Wednesday July 17th



Understanding Severe Thunderstorm Outlook Categories



LEVEL	CATEGORY	DETAILS	SUMMARY	How many severe storms are possible?	How bad could the worst storms be?	DEFINITIONS
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