

Heat Advisory - Dangerous heat wave ends, peaks Sun: Rain likely; thunderstorms, tornado possible Mon

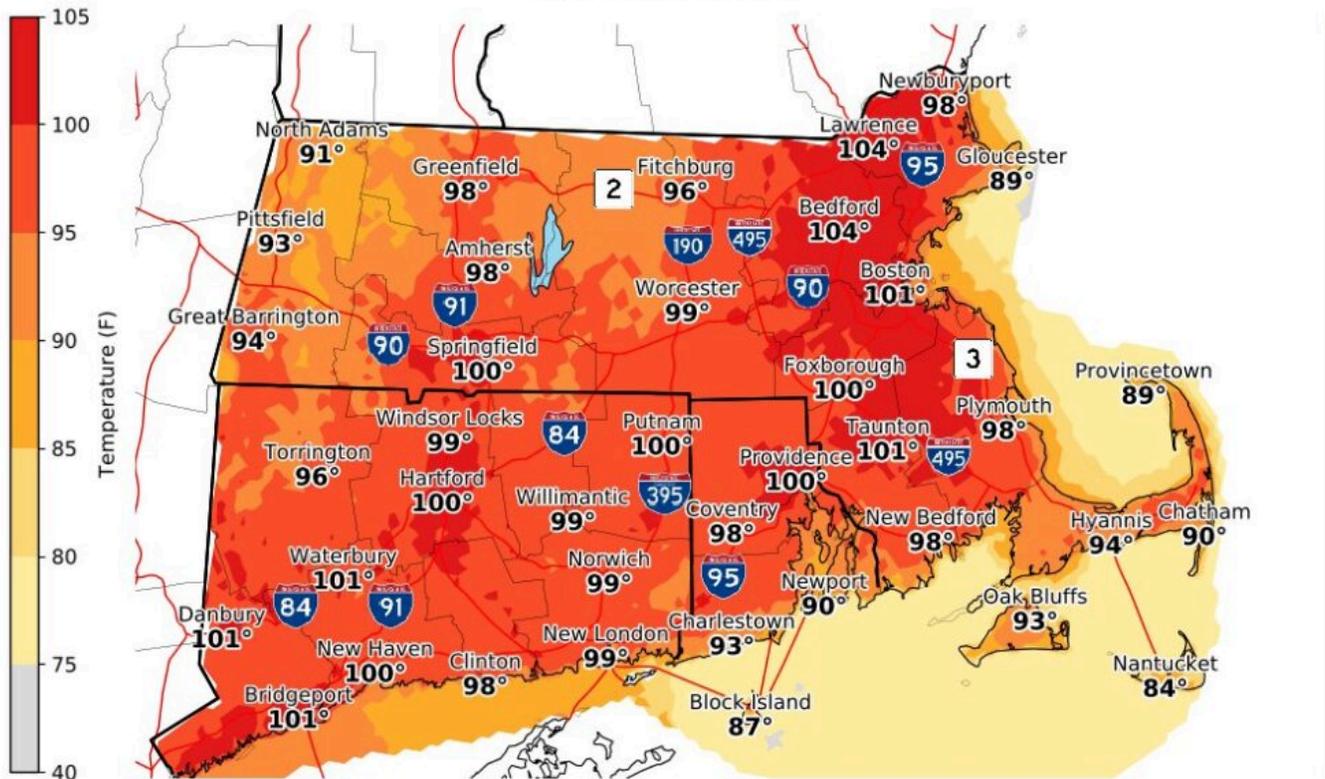
A Heat Advisory is effective until Mon 5pm in RI, MA, and CT for dangerous heat index (combination of heat and humidity), with Sun the hottest day of a multi-day heat wave. The body loses the ability to regulate its temperature by evaporating sweat, possibly causing severe illness such as heat stroke, which is life-threatening.

The heat index is an estimate of the “apparent temperature” based on the combined temperature in the shade as measured by an ordinary dry bulb thermometer and the relative humidity. Conditions in direct sunlight will usually be substantially hotter.

At Providence, temperatures are expected to exceed 90F from Sun 11am-5pm with a high of 95F during the middle to late afternoon, as relative humidity increases from 50% to 70% by sunset. Heat index could exceed 100 in some areas with potential for record high temperature in both Providence and Boston

Max Apparent Temperature

Valid: Sunday July 24



National Weather Service
Boston/Norton, MA
07/24/2022 03:56 AM EDT

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NWS advises “Drink plenty of fluids, stay in an air-conditioned room, stay out of the sun, and check up on relatives and neighbors. Young children and pets should never be left unattended in vehicles under any circumstances. Take extra precautions if you work or spend time outside. When possible reschedule strenuous activities to early morning or evening. Know the signs and symptoms of heat exhaustion and heat stroke. Wear lightweight and loose fitting clothing when possible. To reduce risk during outdoor work, the Occupational Safety and Health Administration recommends scheduling frequent rest breaks in shaded or air conditioned environments. Anyone overcome by heat should be moved to a cool and shaded location. Heat stroke is an emergency! Call 911.”



**SCATTERED SEVERE STORMS
MONDAY AFTERNOON INTO EVENING**



WHAT:

Scattered severe thunderstorms are possible across southern New England Monday afternoon into evening. *Main threats are damaging wind gusts and isolated large hail. There is also a non-zero chance for tornadoes.*

WHEN:

From 12 PM to 10 PM Monday.

WHERE

All of southern New England

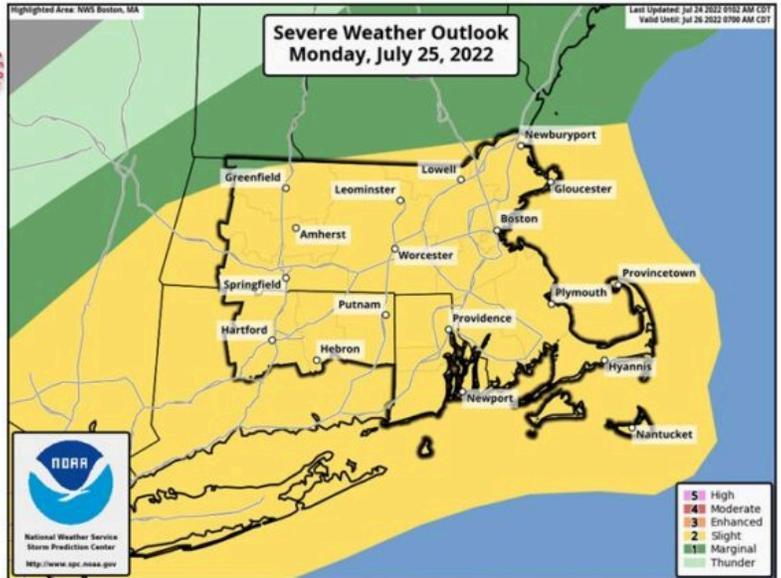
ACTION

Monitor the weather & have a plan to seek shelter if severe weather threatens your area.



When thunder roars, go indoors!

ISSUED: 3:50 AM Sunday, July 24, 2022



THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MOD)	5 - HIGH (HSR)
No severe* thunderstorms expected Lightning/flooding threats exist with all thunderstorms	Isolated severe thunderstorms possible Limited in duration and/or coverage and/or intensity	Scattered severe storms possible Short-lived and/or not widespread, isolated intense storms possible	Numerous severe storms possible More persistent and/or widespread, a few intense	Widespread severe storms likely Isolated intense and severe	Widespread severe storms expected Long-lived, very widespread and particularly intense
Winds to 40 mph • Small hail	Winds 40-60 mph • Hail up to 1" • Low tornado risk	One or two tornadoes • Reports of strong winds/wind damage • Hail - 1" - isolated 2"	A few tornadoes Several reports of wind damage • Damaging hail 1-2"	Widespread wind damage	Widespread wind damage

Rain is likely Mon 1-10pm with a potential for isolated thunderstorms, possibly severe, throughout this period as well as several hours before and after. The main risk from these thunderstorms will be heavy rain, strong straight-line wind gusts, and isolated large hail; there is a small but significant chance of rotational wind that could turn into a life-threatening tornado upon touching ground.

Despite the rain Mon, temperatures just below 90F (thereby ending the official multi-day heat wave) combined with uncomfortable relative humidity 70-90% will result in heat index of 98, so the same precautions should be observed as for a heat wave, especially with regard to outdoor activity.

Tue and Wed are expected to be seasonably pleasant, with daytime high temperatures in the mid-80s and evening low temperatures in the mid-60s, and the next chance of precipitation Wed evening.