Dangerous Heat Today-Fri
Severe Storms possible Thu & Fri

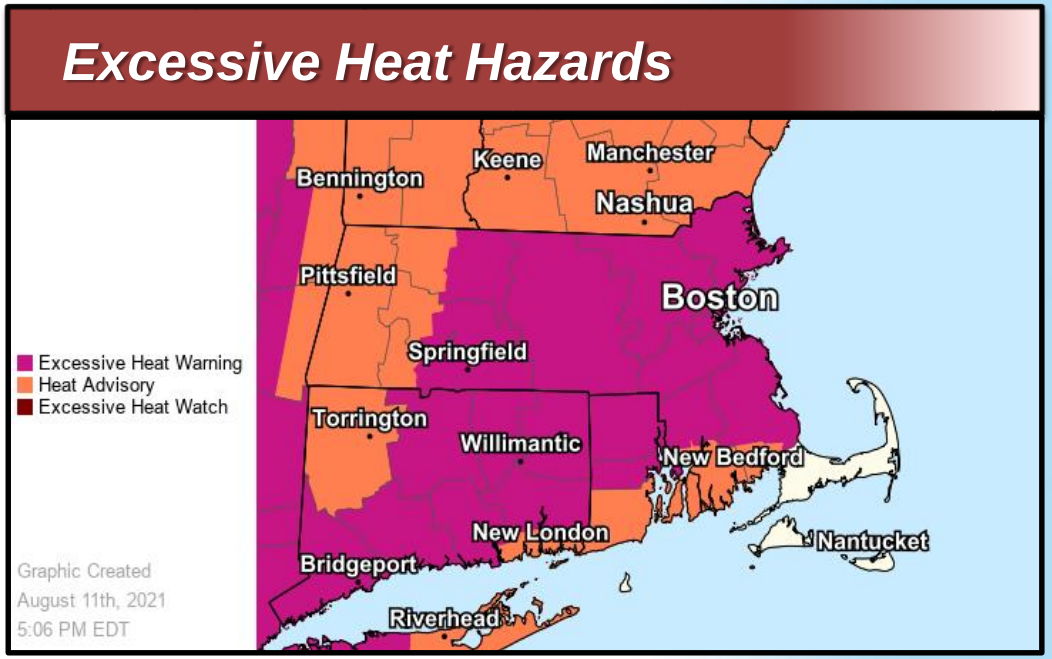
National Weather Service

Decision Support Briefing # 2

Wednesday, August 11, 2021 5:07 PM

What Has Changed?

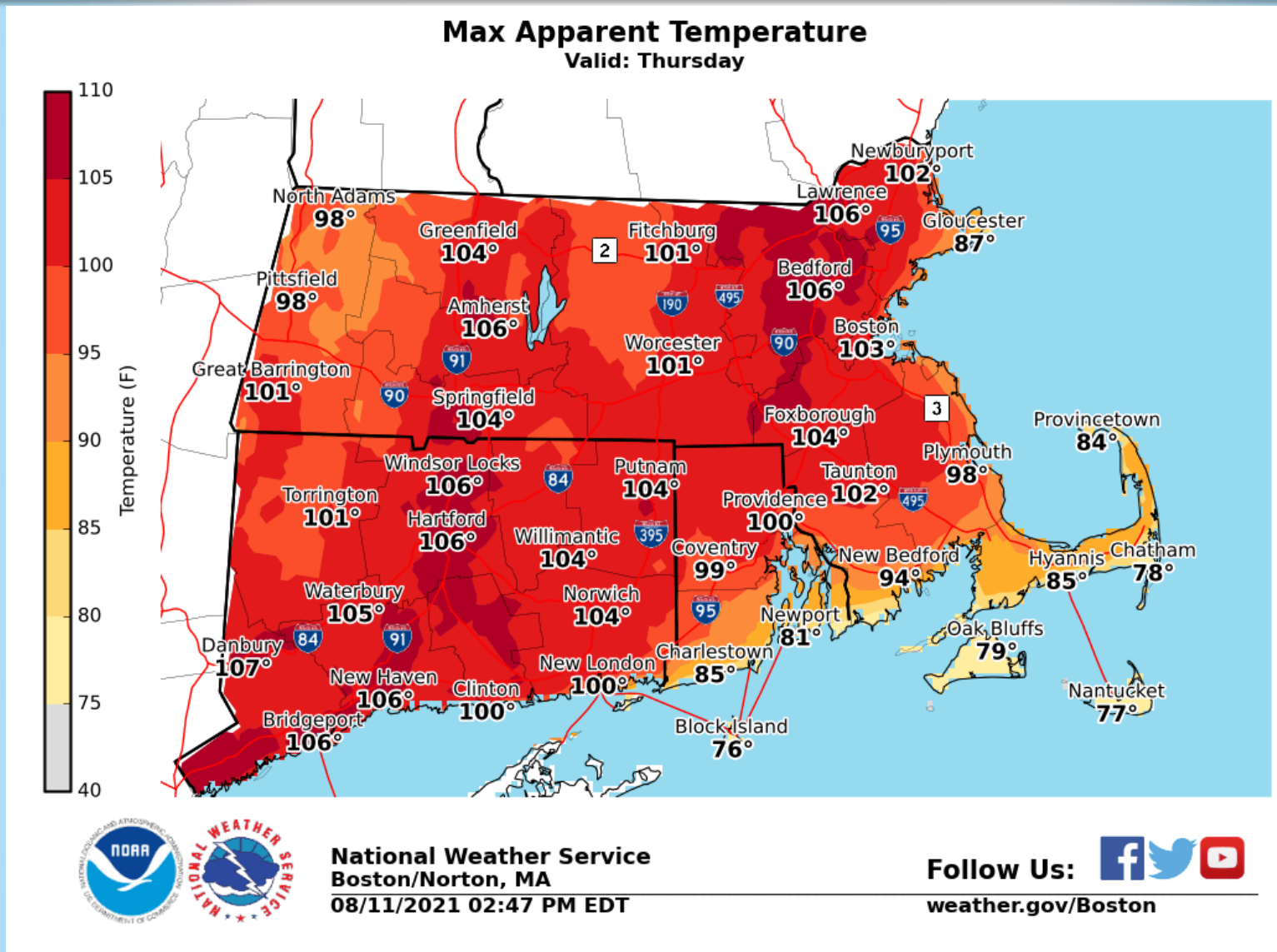
- ✓ Excessive Heat Warnings now in effect for much of Southern New England for Thursday.



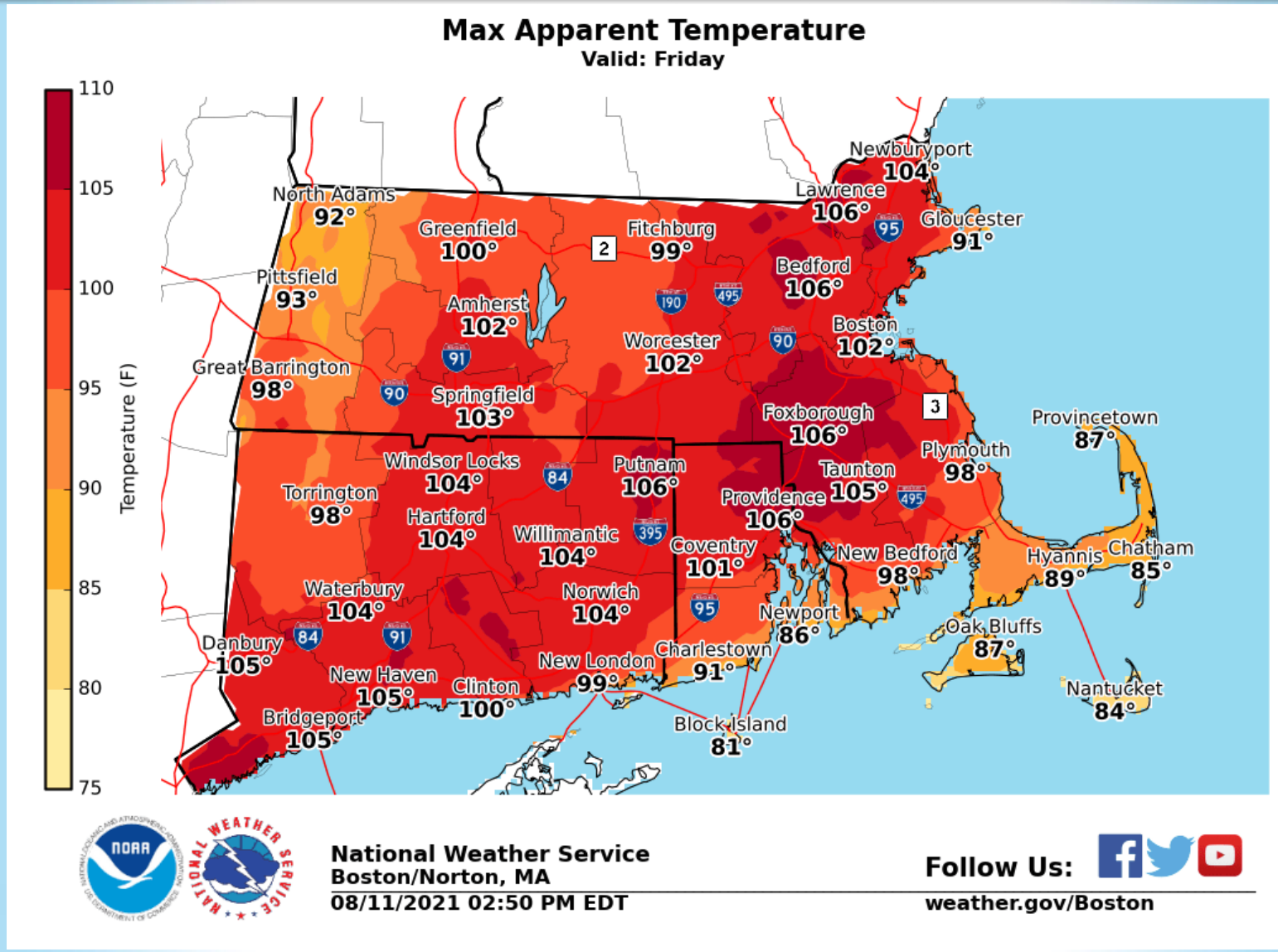
Main Points

Hazard	Impacts	Location	Timing
Dangerous Heat	Hot temperatures & high humidity may cause heat illnesses to occur	Much of southern New England except for Cape Cod and the Islands	Today through Friday during the afternoon hours. Heat index values 105-109 on Thursday and Friday.
Severe Thunderstorms	Localized damaging straight line winds & street flooding possible	Much of interior southern New England	Late Thursday afternoon into evening. Timing of storms on Friday will depend on how Thursday's storms evolve.

Forecast Maximum Heat Index Thursday



Forecast Maximum Heat Index Friday



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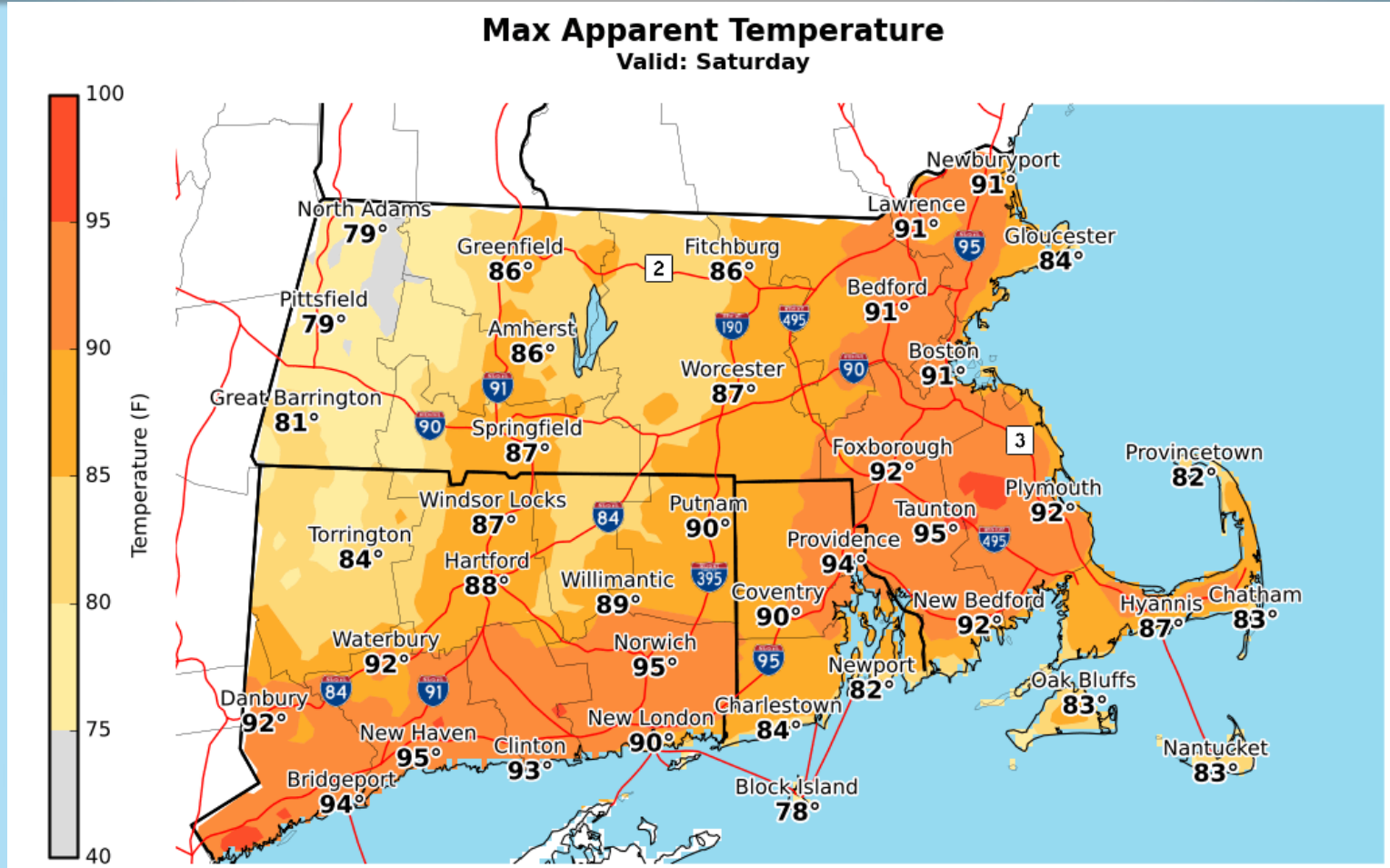
Forecast Maximum Heat Index Saturday



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Severe Weather Outlook – Day 2

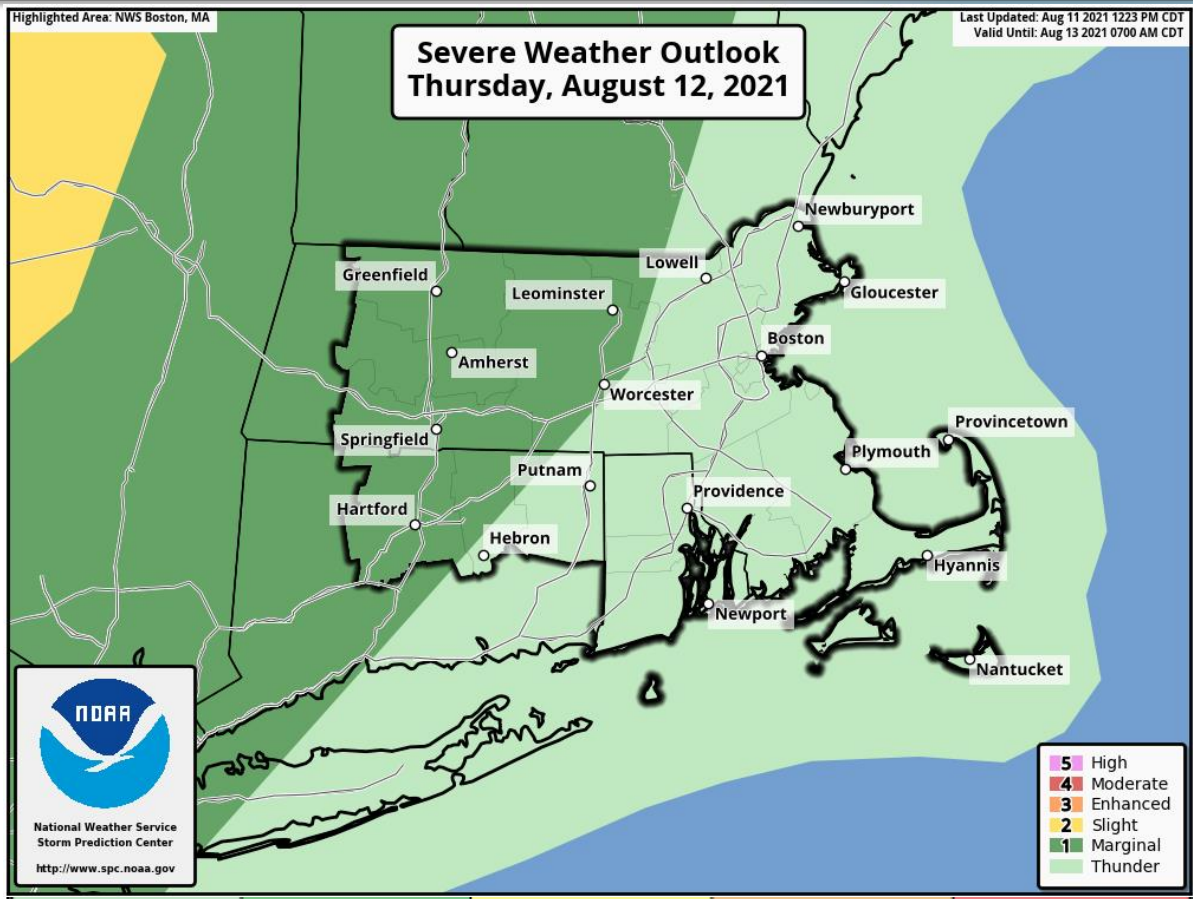
ISOLATED STRONG TO SEVERE STORMS THURSDAY

WHAT
Scattered thunderstorms with isolated strong to severe storms

Main threats:
Damaging straight line wind gusts
Heavy downpours which may lead to street flooding

WHERE
Much of interior southern New England

WHEN
Thursday afternoon into the evening



Thunder	Marginal	Slight	Enhanced	Moderate
No Severe Lightning still possible	Isolated Severe Storms Possible	Scattered Severe Storms Possible	Numerous Severe Storms Possible	Widespread Severe Storms Likely

Severe Weather Outlook – Day 3

ISOLATED STRONG TO SEVERE STORMS FRIDAY

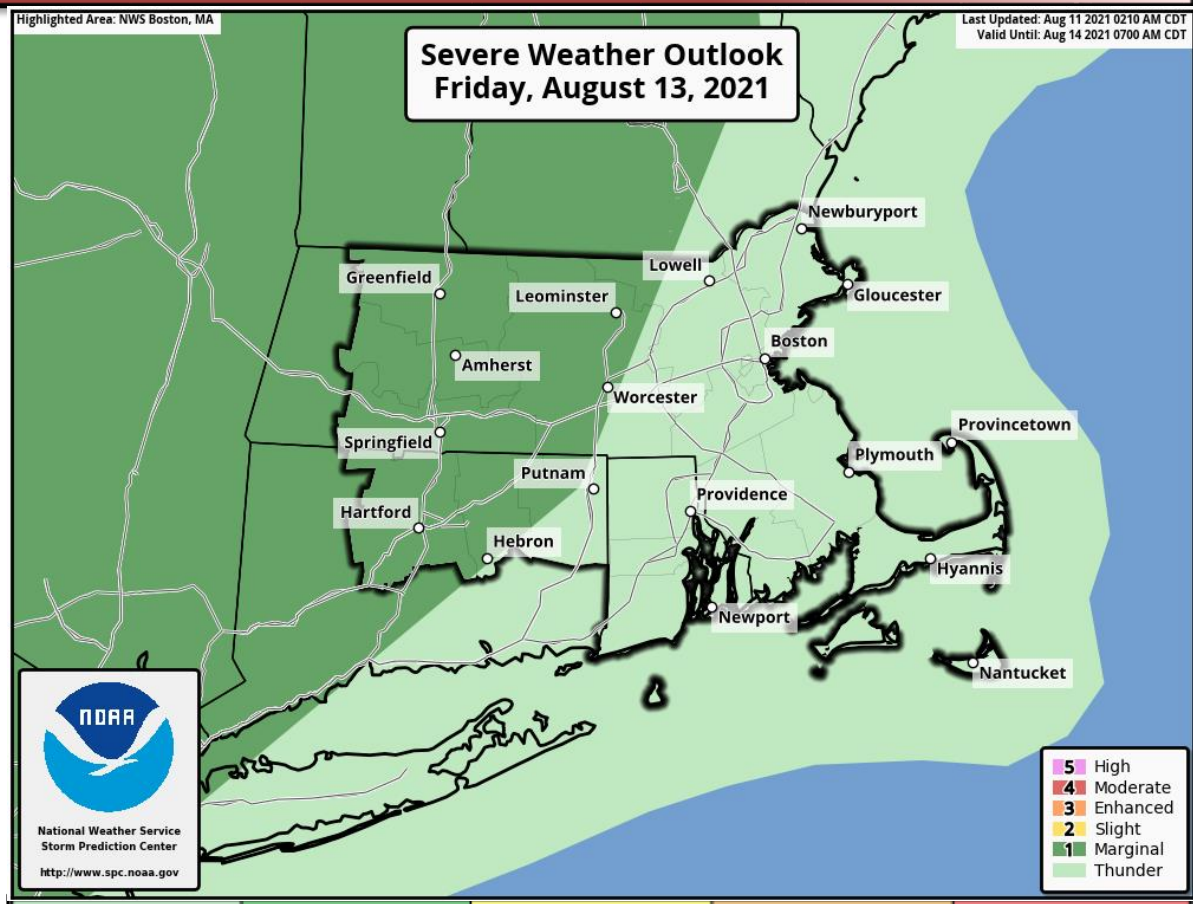
WHAT
Scattered thunderstorms with isolated strong to severe storms

Thunderstorm activity on Thursday will impact how things evolve on Friday, so confidence low at this point in time

Main threats:
Damaging straight line wind gusts
Heavy downpours which may lead to street flooding

WHERE
Much of interior southern New England

WHEN
Friday afternoon into the evening



Thunder	Marginal	Slight	Enhanced	Moderate
No Severe Lightning still possible	Isolated Severe Storms Possible	Scattered Severe Storms Possible	Numerous Severe Storms Possible	Widespread Severe Storms Likely

Threat Event Summary

Confidence:

- ✓ High in the dangerous heat risk
- ✓ Less certain on the severe thunderstorm risk Thursday & Friday

What:

Heat Index values of 105-109 possible on Thursday and Friday away from the interior high terrain as well as immediate south coast and Cape Cod and the Islands.

Oppressive heat & humidity will significantly increase the potential for heat related illnesses

Strong to severe thunderstorms possible later on Thursday & Friday

Main threats

- Damaging wind gusts
- Heavy downpours – could lead to localized flooding

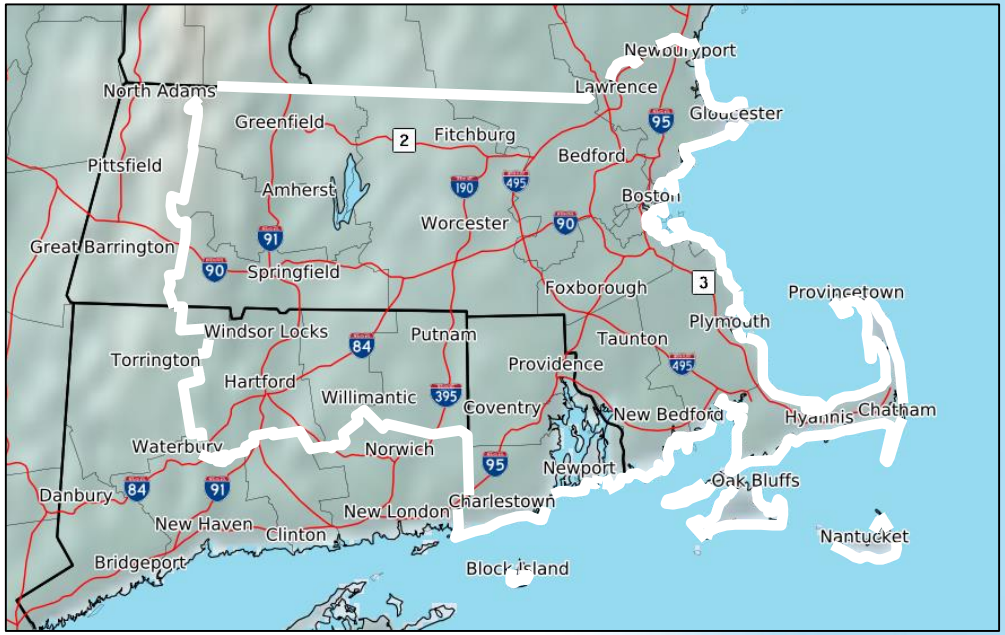
Where & When:

- ✓ Heat risk for much of southern New England except Cape Cod & the Islands today through Friday

- ✓ Severe thunderstorm risk is highest across interior portions of southern New England Thursday & Friday afternoon into the evening

Contact and Next Briefing Information

Next Briefing
When: *6 AM, Thursday, August 12th*
Method: *via email*



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