

Scattered Severe Thunderstorms Possible This Afternoon And Evening

National Weather Service
Decision Support Briefing # 1
Wednesday, August 21, 2019 4:56
AM

What Has Changed?

- ✓ Prime threat is damaging straight line wind gusts across interior southern New England.

Severe Weather Related Hazards



Summary of Greatest Impacts



Wind: Southern New England

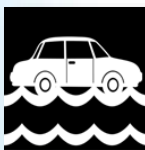
None

Limited

Elevated

Significant

Extreme



Flash Flooding: Southern New England

None

Limited

Elevated

Significant

Extreme



Hail: Southern New England

None

Limited

Elevated

Significant

Extreme



Lightning: Southern New England

None

Limited

Elevated

Significant

Extreme



Tornadoes: Southern New England

None

Limited

Elevated

Significant

Extreme



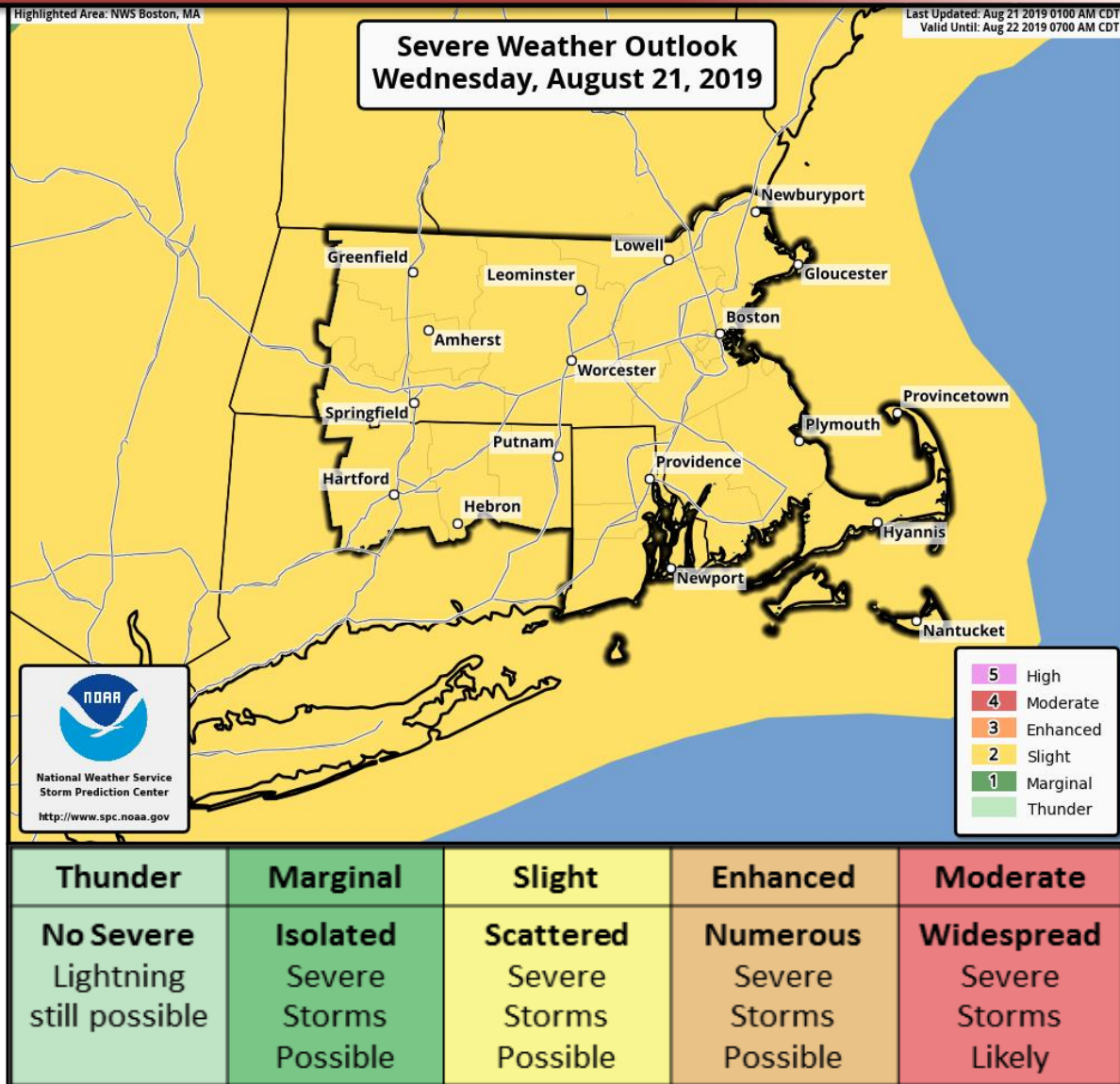
Severe Weather Outlook – Day 1

Impacts

- ✓ Strong Wind Gusts
- ✓ Heavy T-storm Downpours

Timing

- ✓ 2 to 10 PM



Severe Weather Outlook – Definitions

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with <u>all</u> thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					
<ul style="list-style-type: none"> • Winds to 40 mph • Small hail 	<ul style="list-style-type: none"> • Winds 40-60 mph • Hail up to 1" • Low tornado risk 	<ul style="list-style-type: none"> • One or two tornadoes • Reports of strong winds/wind damage • Hail ~1", isolated 2" 	<ul style="list-style-type: none"> • A few tornadoes • Several reports of wind damage • Damaging hail, 1 - 2" 	<ul style="list-style-type: none"> • Strong tornadoes • Widespread wind damage • Destructive hail, 2" + 	<ul style="list-style-type: none"> • Tornado outbreak • Derecho

* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.

Severe Weather Threat Event Summary

✓ **Confidence**: Moderate. Main uncertainty is timing of the afternoon storms.

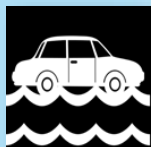
✓ **What:**



Damaging straight line wind gusts of 50-65 mph possible.



Low risk of an isolated tornado across western/central MA and northern CT.



Street flooding possible, especially in urban locations.



Dangerous cloud-to-ground lightning with strongest storms



Isolated 1" diameter hail possible.

✓ **Where:** All of Southern New England, but greatest focus NW of Boston-Providence corridor.

✓ **When:** 2 to 10 pm.

Contact and Next Briefing Information

Next Briefing
When: N/A
Method: via email



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Disclaimer: The information contained within this briefing is time-sensitive,
do not use after 6 am, Tuesday, May 15th.