Winter Weather Briefing

March 14, 2023
1:05 PM

For Southern New England

Decision Support Briefing #4

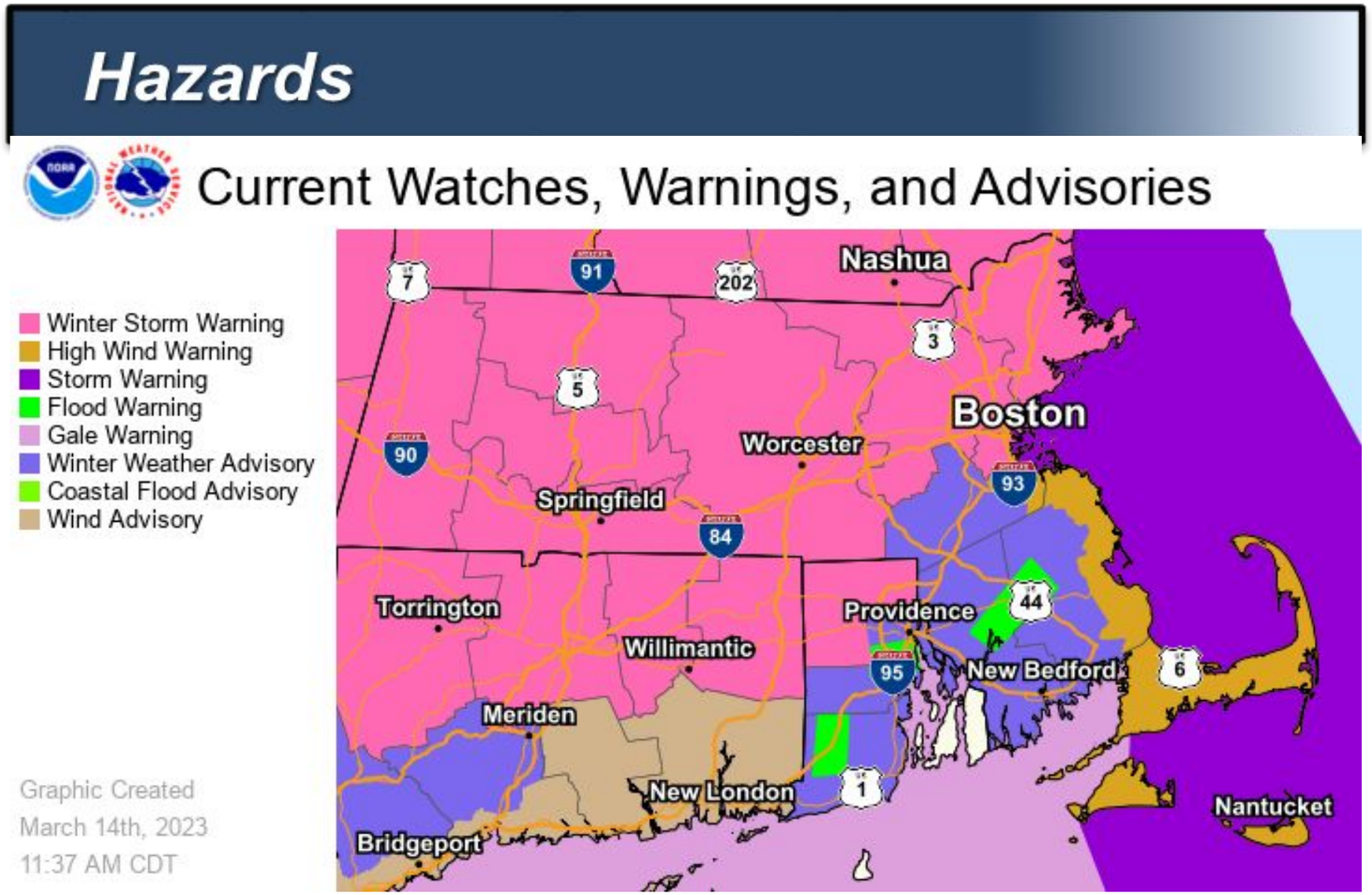
➔ As of Noon Tuesday, March 14, 2023

Important Updates

NEW

➔ **River Flood Warnings**

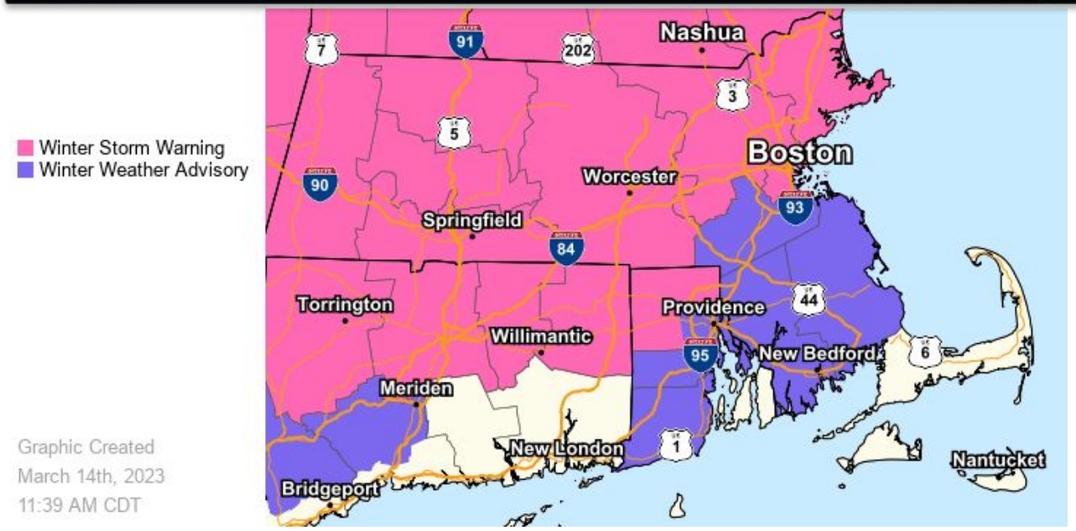
- **Pawtuxet River at Cranston**
- **Wood River at Hope Valley**
- **Taunton River near Bridgewater**



Active Headlines

March 14, 2023
1:05 PM

Winter Weather Hazards



Marine / Coastal Hazards

Wind Related Hazards

Flooding Hazards

U.S. Department of Commerce

National Weather Service
Boston / Norton, MA

Main Points

March 14, 2023
1:05 PM

Hazard	Impacts	Location	Timing
Wind/ Damaging Wind	25-35 mph w/ gusts 50-60 mph Tree limbs/power lines/ isolated trees downed Power outages likely	Eastern MA	Today- Wednesday Peaking Tuesday Evening Diminishing below 30 mph Wednesday night
Snow	Snow loading on trees/power lines; evening commute (east) Power outages likely	Anywhere that receives 4 or more inches of heavy, wet snow	Snow continues across the high terrain, rain transitions to snow at all locations this afternoon Lingering into Wed. AM in northern/eastern MA
Marine	Storm conditions with 20-25 ft seas eastern MA; Gales with 5-10 ft seas RI coast	Eastern MA waters	Today through Wednesday
Coastal Flooding	Widespread minor coastal flooding	Eastern Massachusetts and Nantucket	Next two high tide cycles, but especially the early Wednesday morning high tide.

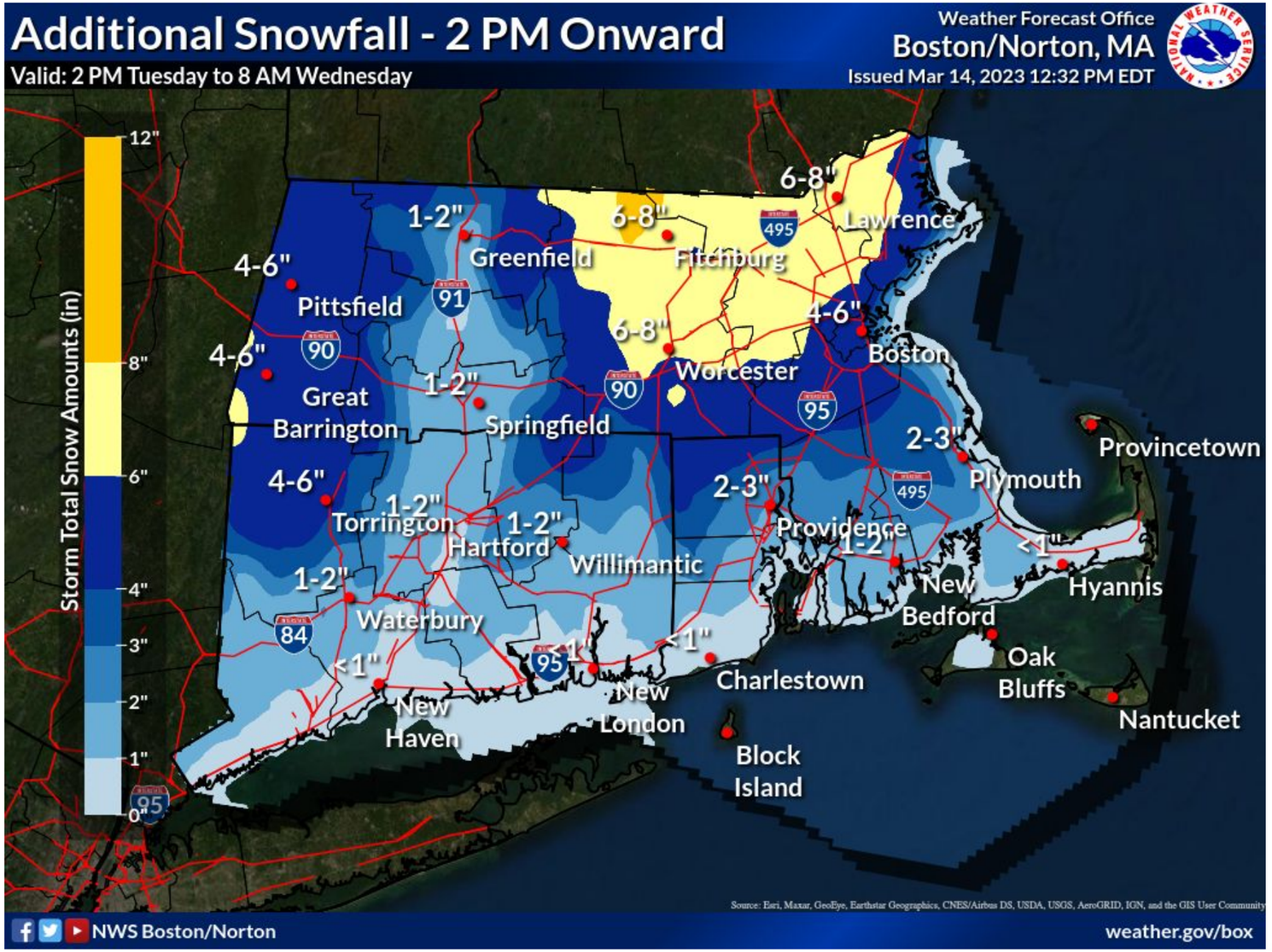
Additional Forecast Snowfall

March 14, 2023
1:05 PM

Rain transitions to snow this afternoon across southeast New England

Period of moderate to heavy snow across northeast MA through early evening

Snow should taper off quickly after midnight

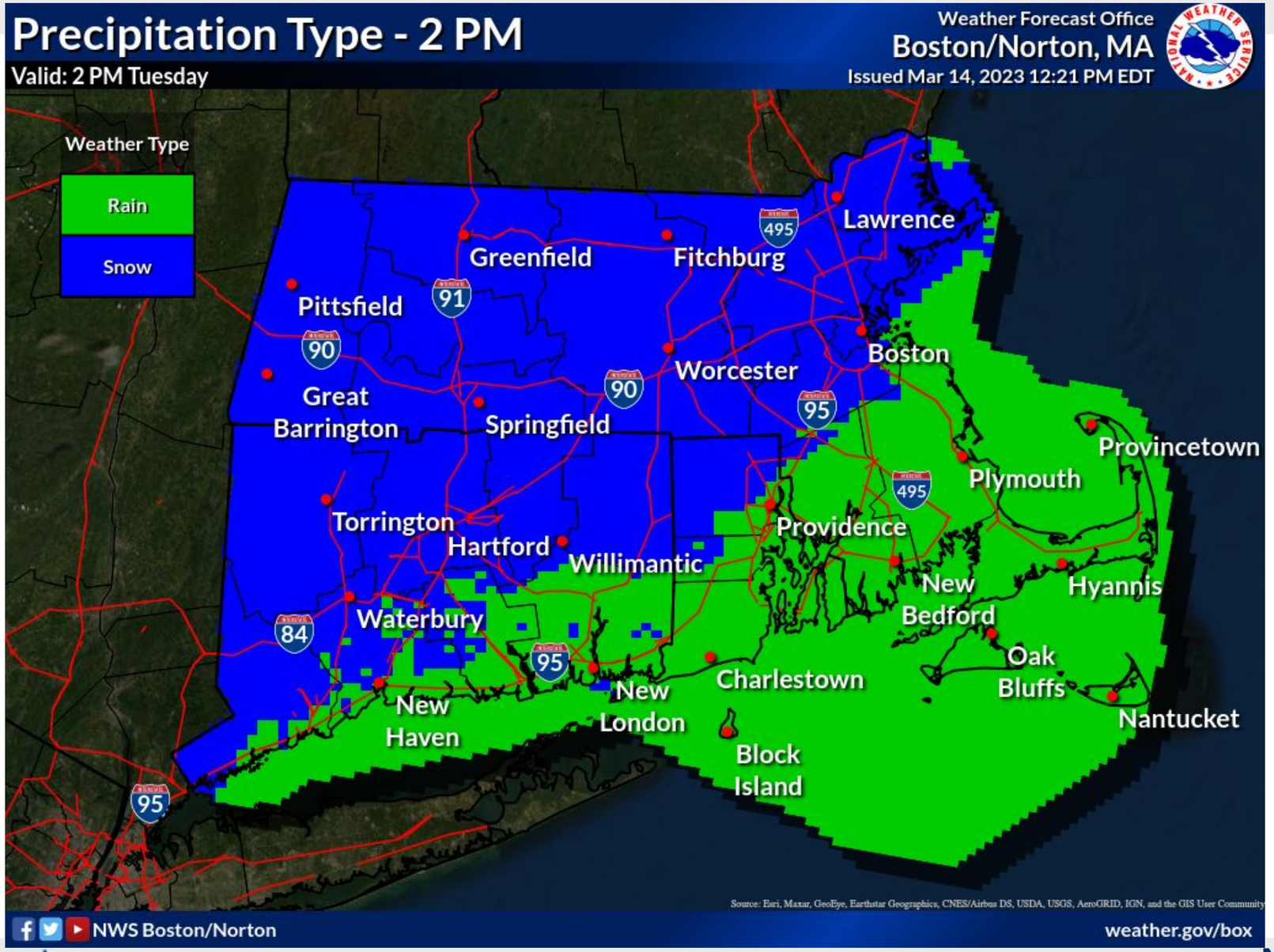


National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Boston / Norton, MA

Precipitation Type - 2 PM

March 14, 2023
1:05 PM



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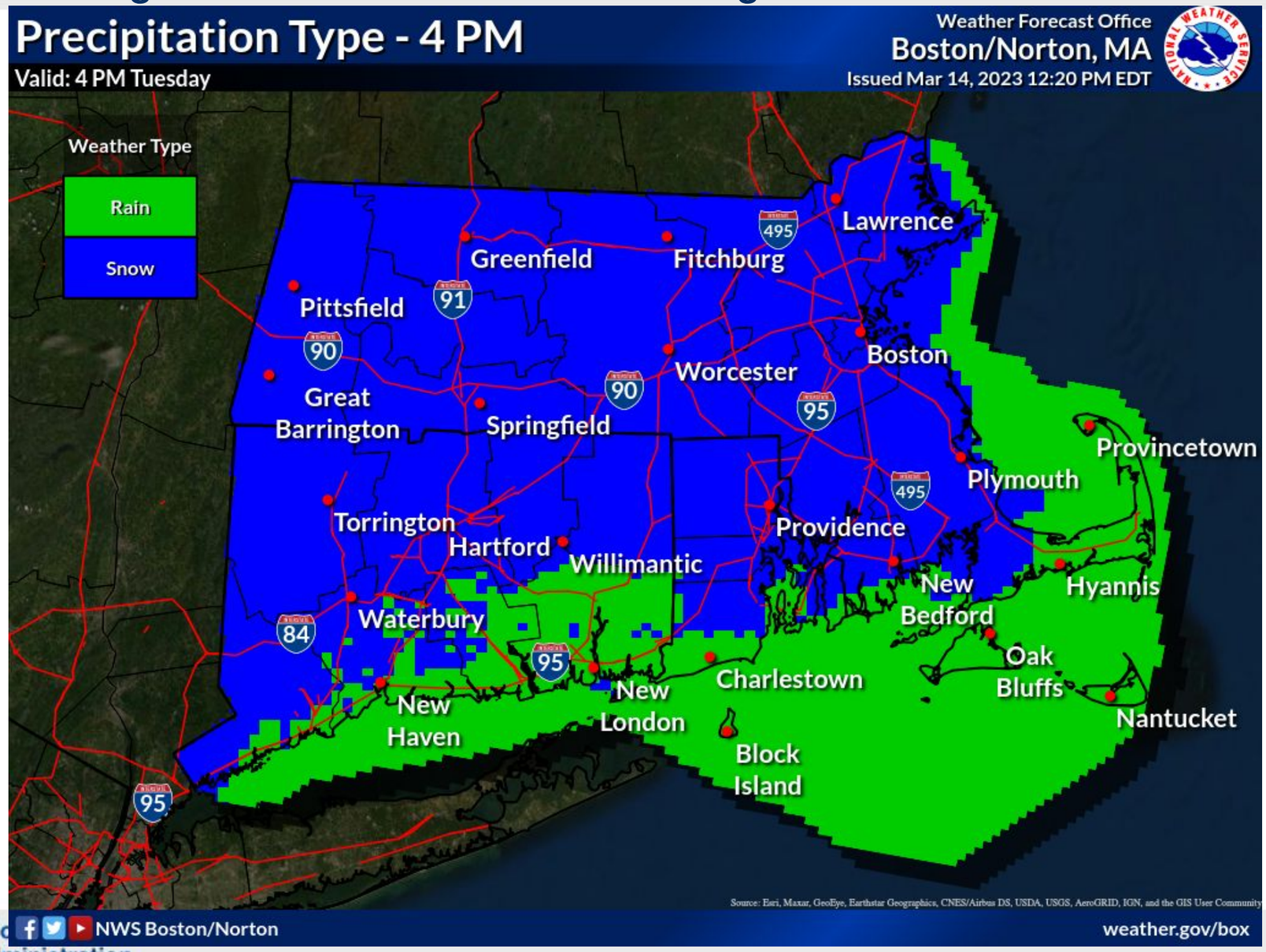
Precipitation Type - 4 PM

March 14, 2023
1:05 PM

Quick changeover across southeast New England



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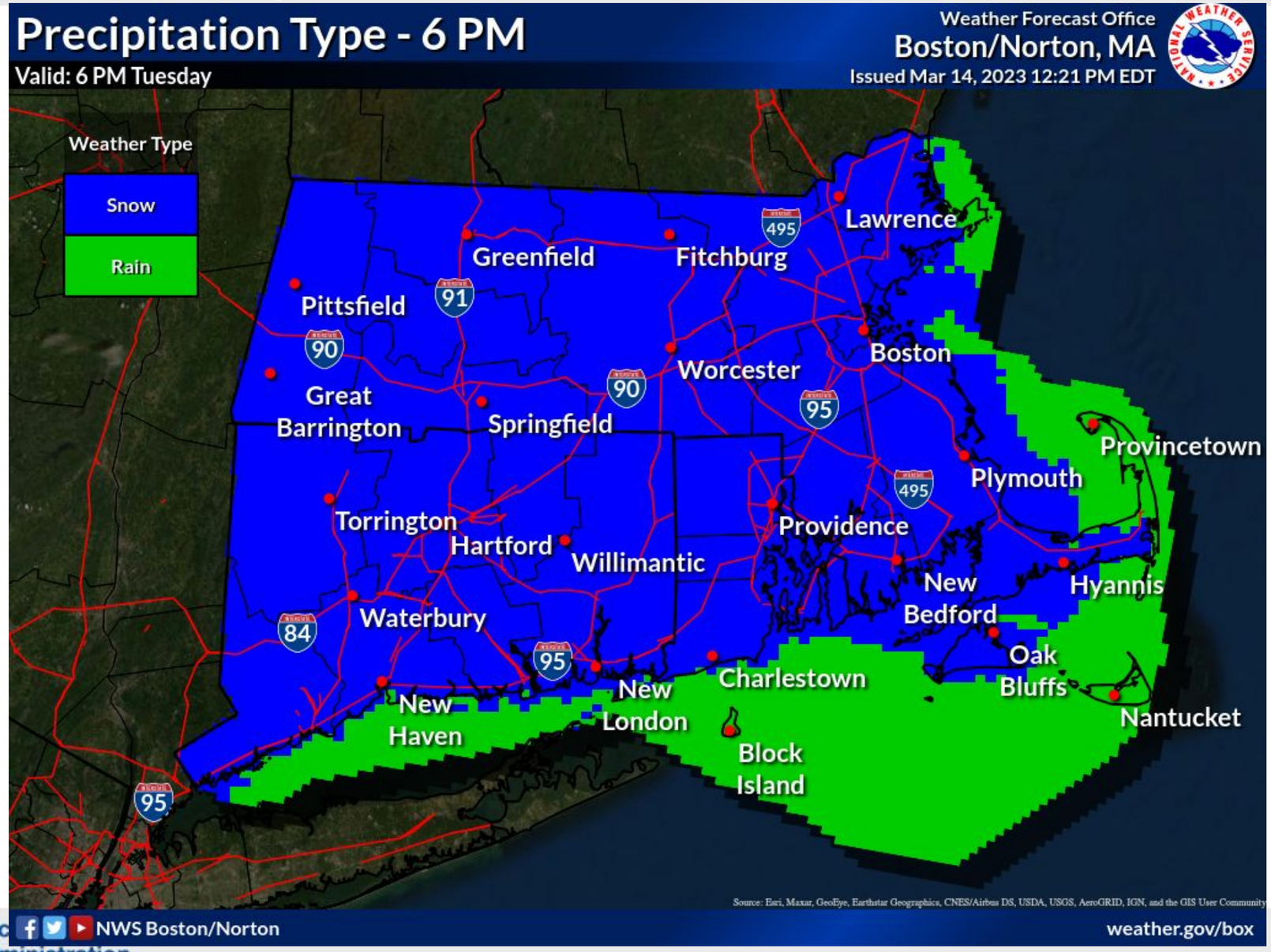
Precipitation Type - 6 PM

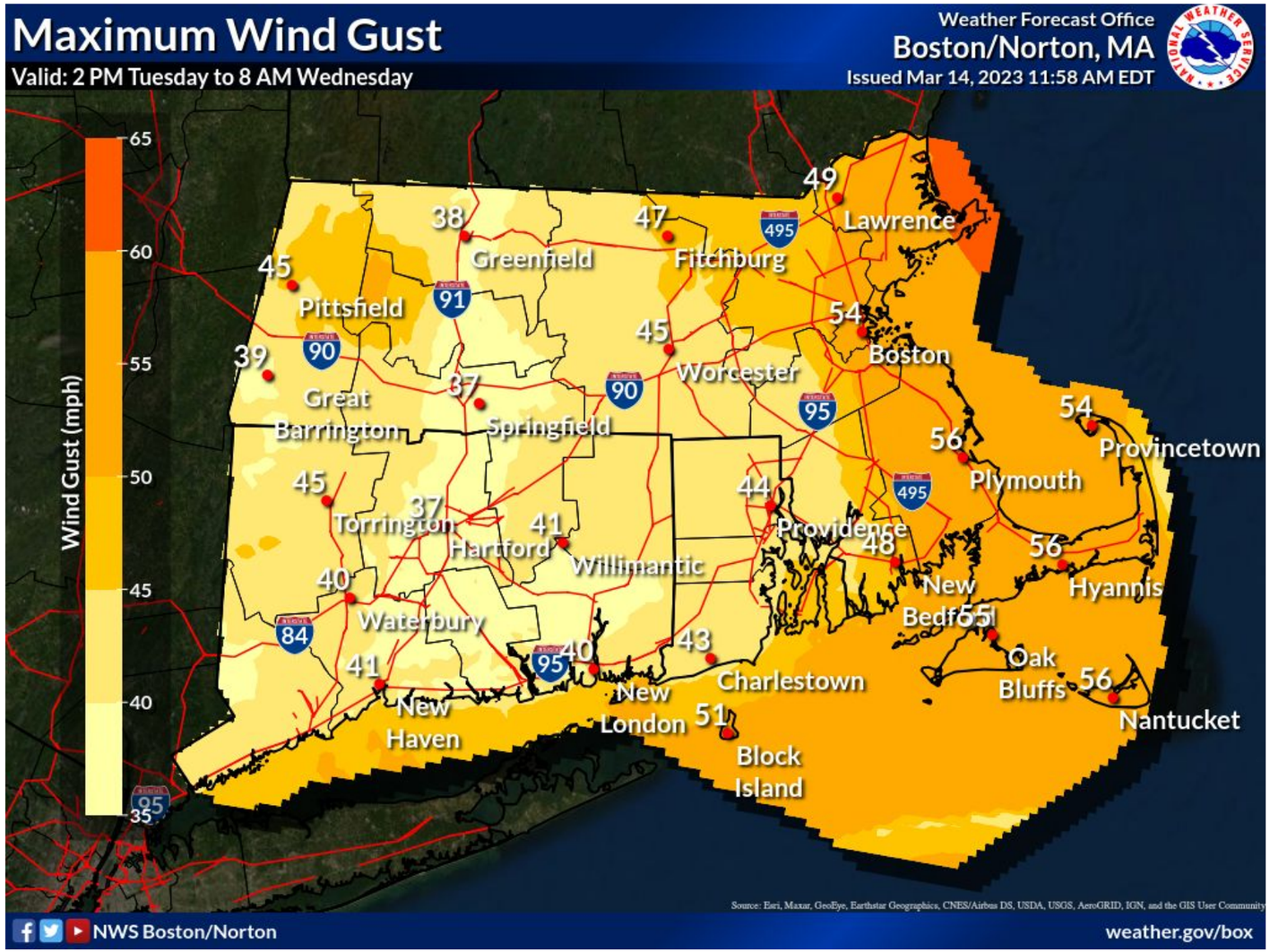
March 14, 2023
1:05 PM

Snow Expected Region Wide by 6 PM Today



Forecast Wind Gusts

March 14, 2023
1:05 PM



North/Northwest winds will strengthen late this afternoon

Strongest gusts generally between 6pm and midnight

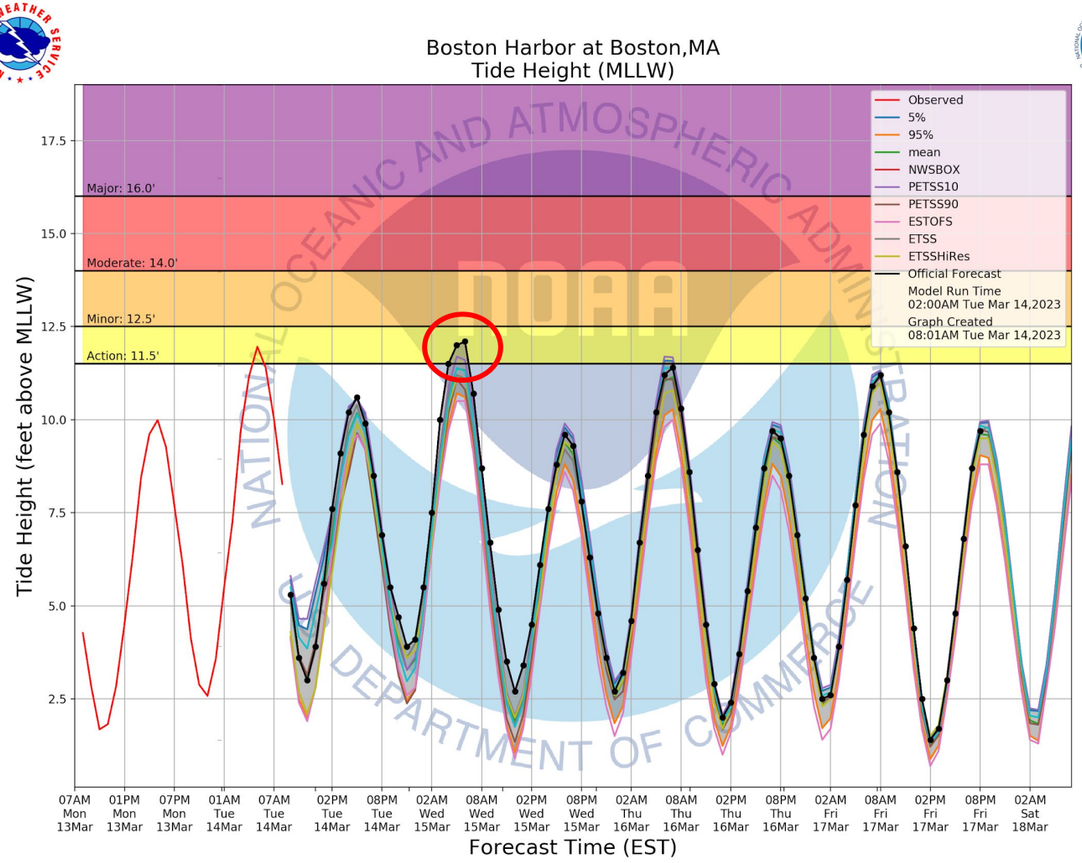
Wind Gusts drop below 30-35 mph late Wednesday

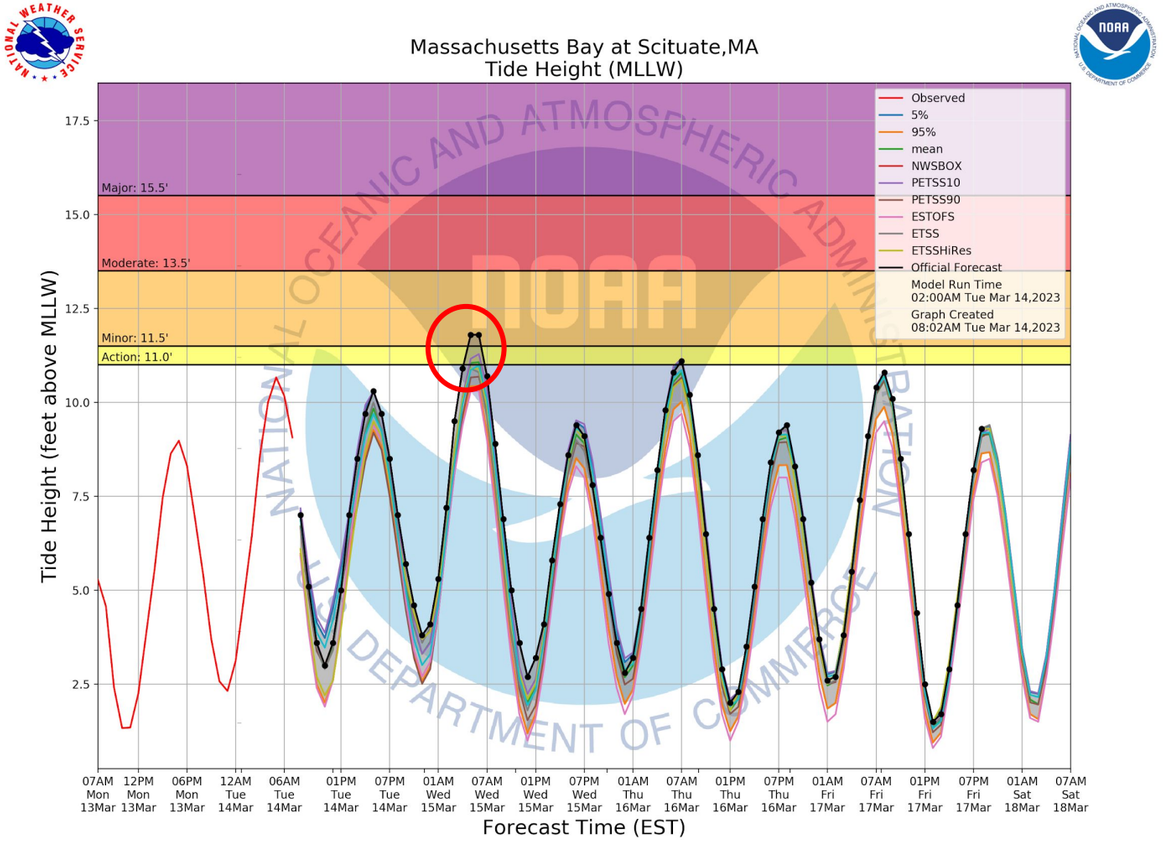
Coastal Flood Forecast

March 14, 2023
1:05 PM

East Coastal Areas

High tide of concern is early Wednesday morning (5-6 AM). Impacts may be higher due to wave action. Expecting a 2 to 3 foot storm surge, yielding 11-12 ft MLLW in Boston Harbor and at Scituate.

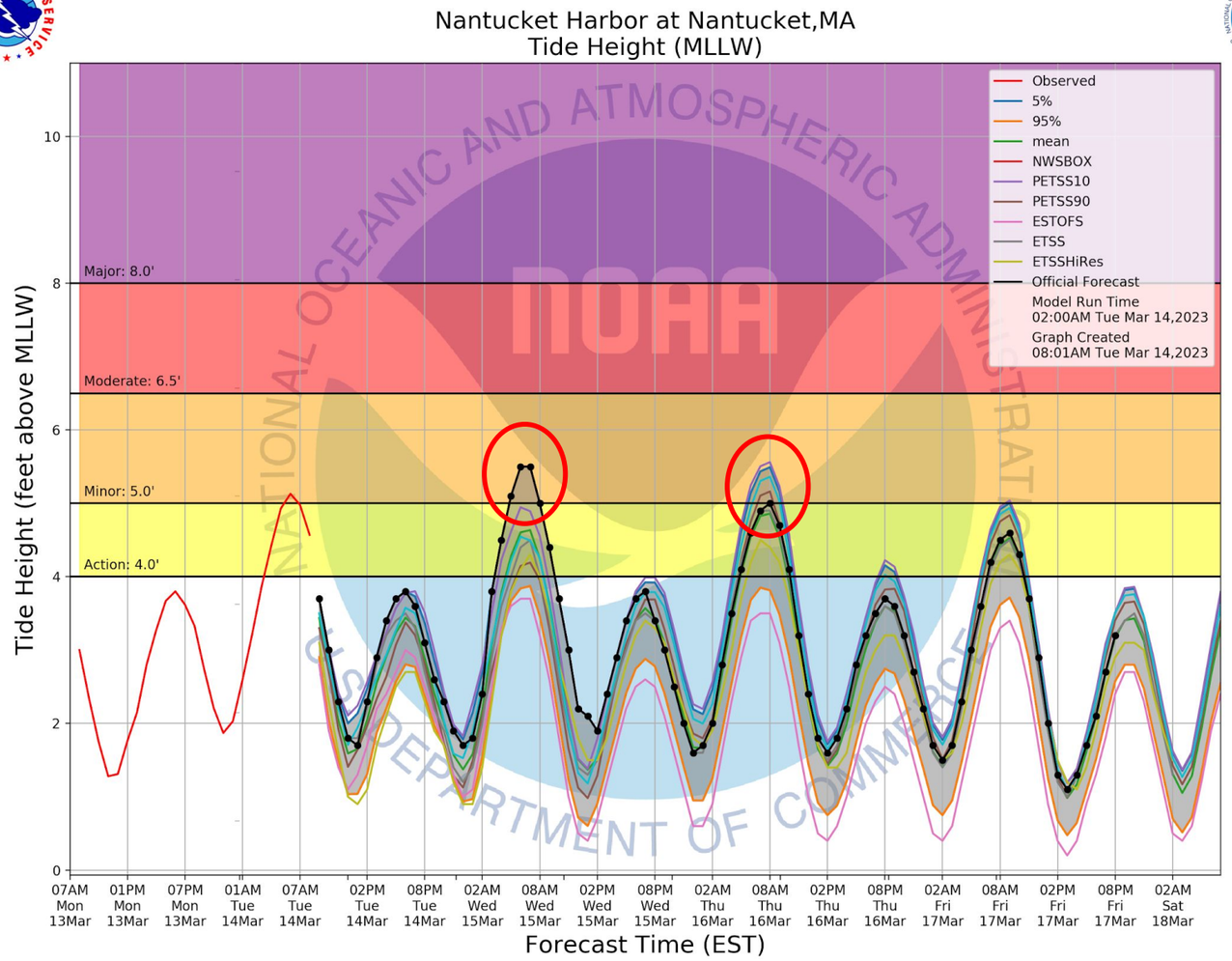




Coastal Flood Forecast

Nantucket

March 14, 2023
1:05 PM



High tide of concern is early Wednesday morning, with the early Thursday morning high tide perhaps also seeing issues.

Surge is expected to be around 2 ft

Key Points Summarized

March 14, 2023
1:05 PM

- Snow
  - Snow consistency will be wet. Snow loading and power outages remain a big concern in areas with more than 4” of accumulation. Strong winds developing late afternoon and this evening will exacerbate the issues.
  - Evening commute likely to be difficult across much of the region, including Boston, Hartford and Providence. Conditions should improve Wednesday morning.

- Wind
  - High confidence in winds in excess of 40 mph along the eastern MA coast, with the highest gusts across NE Essex County where winds will exceed 50-60mph. Concern for downed trees/power lines and travel for high profile vehicles.

- Coastal Flooding
  - Minor coastal flooding is expected along the eastern MA coast and at Nantucket again early Wednesday with high tide.

Contact and Next Briefing Information

March 14, 2023
1:05 PM

For Southern New England

Next Briefing

By 6:00 PM Tue, 3/14/23
Method: Email

Disclaimer

Information contained in this briefing is time-sensitive
Do Not Use After: 6:00 PM Tue, 3/14/23

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