

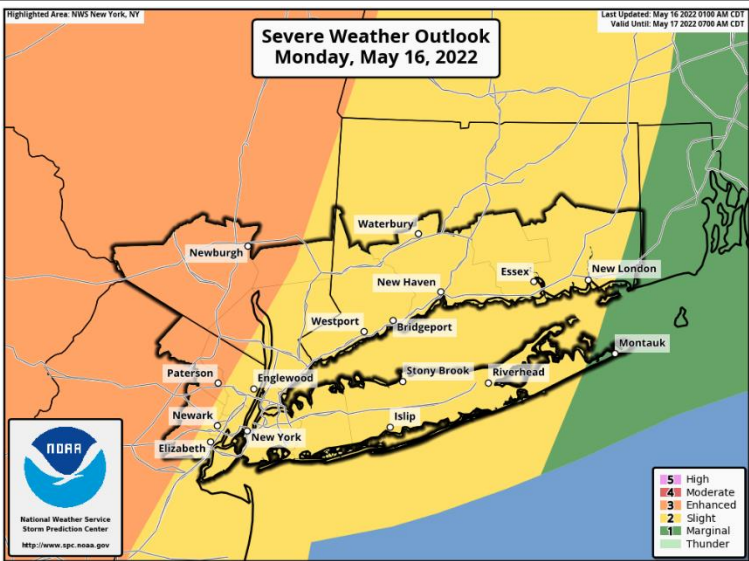
Severe Thunderstorms Expected This Afternoon Into Early Tonight



New York, NY
WEATHER FORECAST OFFICE

OVERVIEW

- A line of thunderstorms is expected ahead of and along a strong cold front this afternoon into tonight.
- Numerous thunderstorms could become severe, and potentially significant, with damaging winds and large hail. An isolated tornado cannot be ruled out.



Outlook from Storm Prediction Center (SPC)

TIMING

- Thunderstorm chances start at 1PM, ending around 9PM.
- Lower Hudson Valley, NE NJ, NYC, Western Long Island, Fairfield County CT, thunderstorms generally between 2 and 7PM. (Timing could be 1-2 hours off)
- Eastern Long Island, Southern CT New Haven County to New London County, thunderstorms generally between 6 and 9PM. (Timing could be 1-2 hours off)

HAZARDS & IMPACTS

- Damaging Wind:** Wind gusts in excess of 58 mph could damage trees and power lines and result in scattered power outages.
- Large Hail:** 1 inch hail could result in minor damage to motor vehicles.
- Tornadoes:** An isolated tornado possible.
- Heavy Rainfall:** Marginal flash flood risk, localized flooding of urban, poor drainage areas, quick responding small streams and creeks possible.

NWS ALERTS

- SPC-> Slight to Enhanced Risk of Severe Weather.
- Watches and warnings issued if threat increases for severe thunderstorms, including tornadoes if rotation appears in severe thunderstorms.
- Flooding possible, but mostly minor which if expected, then flood advisories would be issued, greater flooding threat would warrant flash flood warnings.

FORECAST CHALLENGES






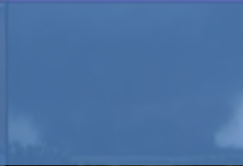
- Coverage of discrete storms ahead of the line of more organized storms.
- Thunderstorms generally expected to weaken as they move farther eastward across Long Island and Southern CT, encountering cooler marine air. Exactly when and how fast thunderstorms weaken is uncertain.

NEXT BRIEF

- This will be the last briefing for this event.



Understanding Severe Thunderstorm Risk Categories

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
					

* 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.

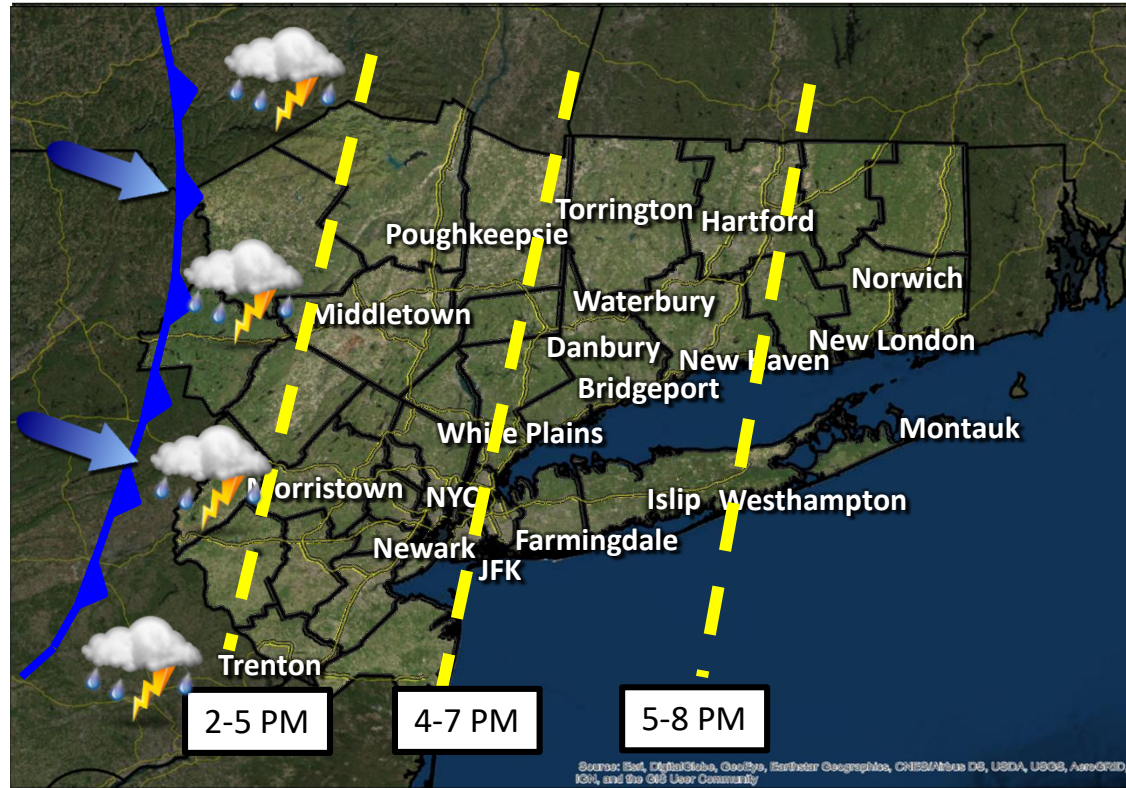


National Weather Service

www.spc.noaa.gov



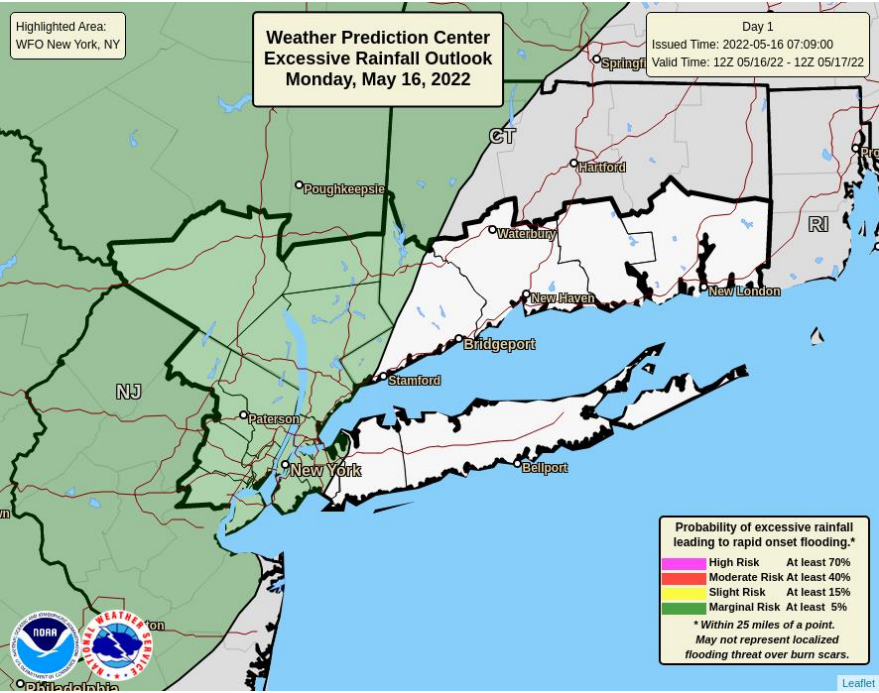
Thunderstorm Timing



Flash Flood Probability for This Afternoon into Tonight



New York, NY
WEATHER FORECAST OFFICE



Understanding WPC Excessive Rainfall Risk Categories

No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.
www.wpc.ncep.noaa.gov @NWSWPC				
Flash flooding near me?	Flash Flooding			
	NO Flash Flooding			
 WEATHER PREDICTION CENTER				