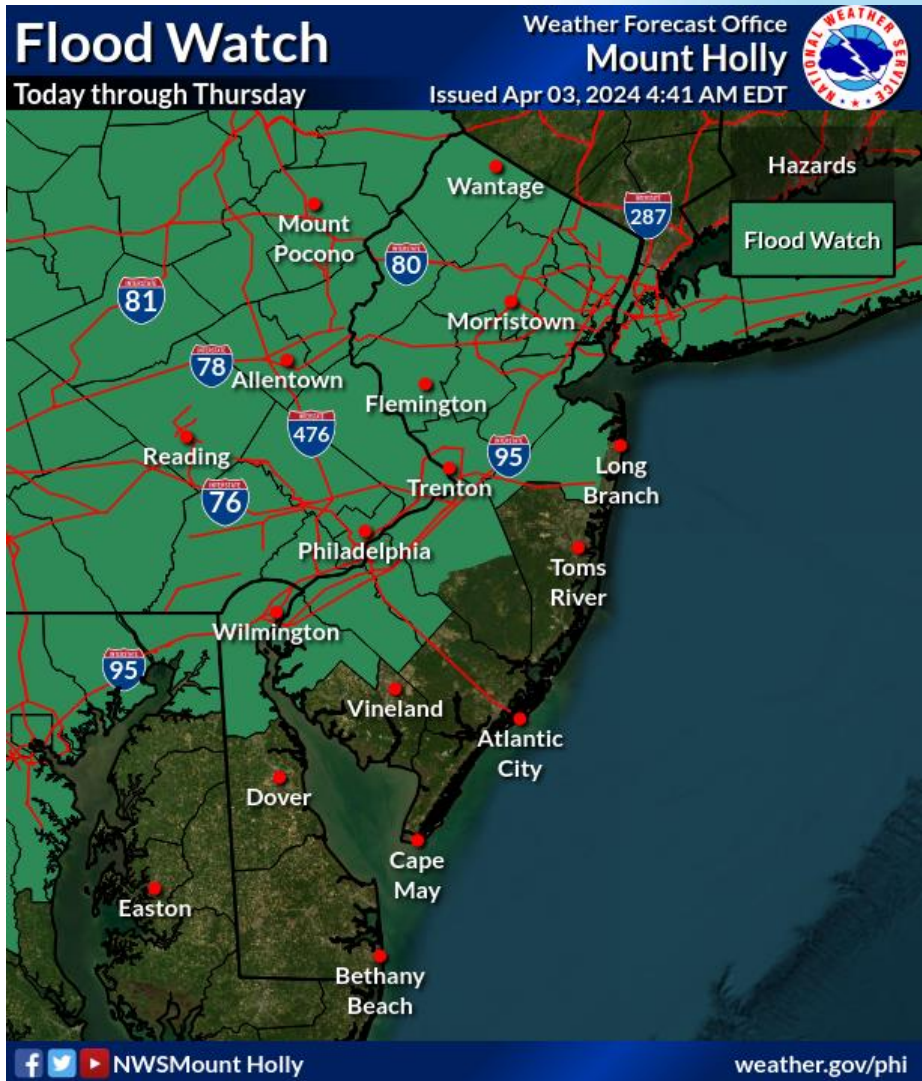


April 3rd Multi-Hazard Storm

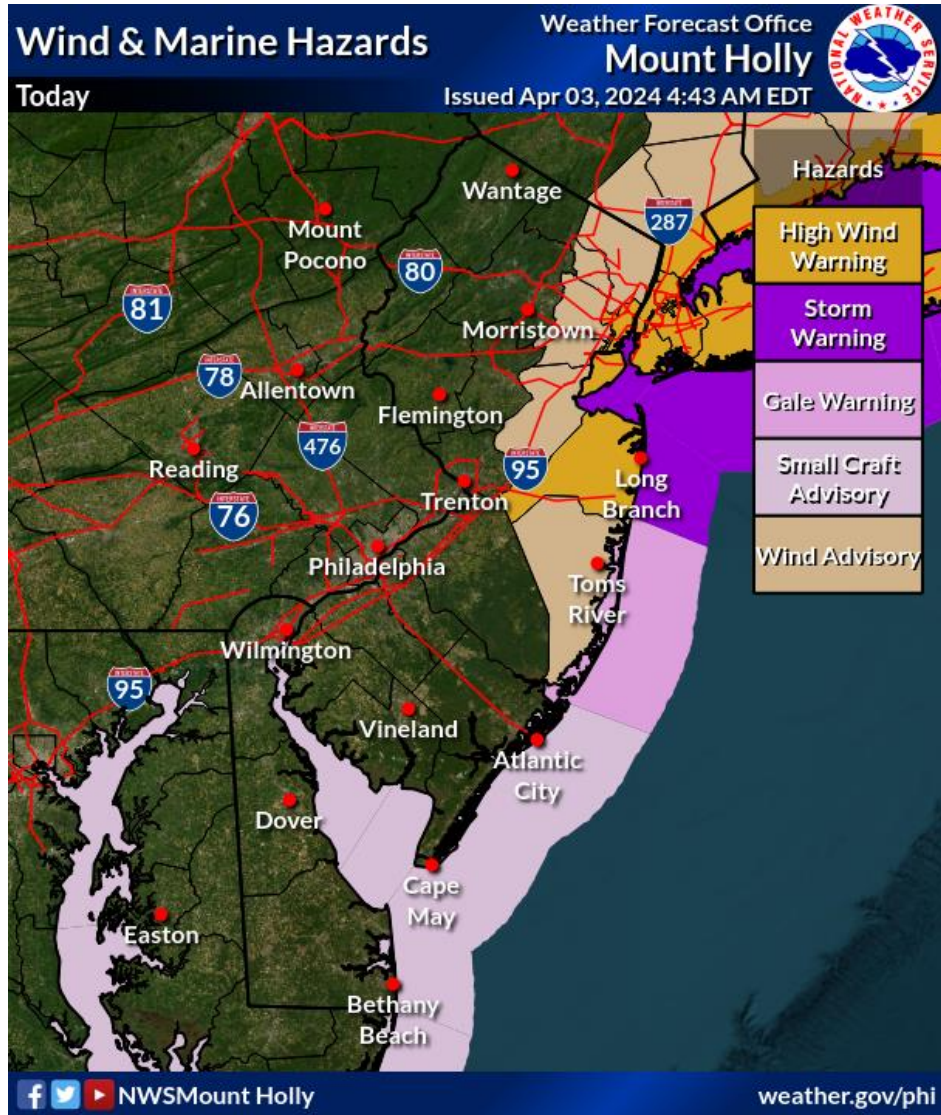
Decision Support Briefing #2
As of: 5 AM,
April 3, 2024

What Has Changed?




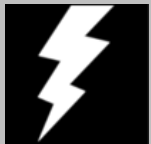

- ✓ *Coastal Flood Advisories extended through this evening*



Wind and Marine Hazards

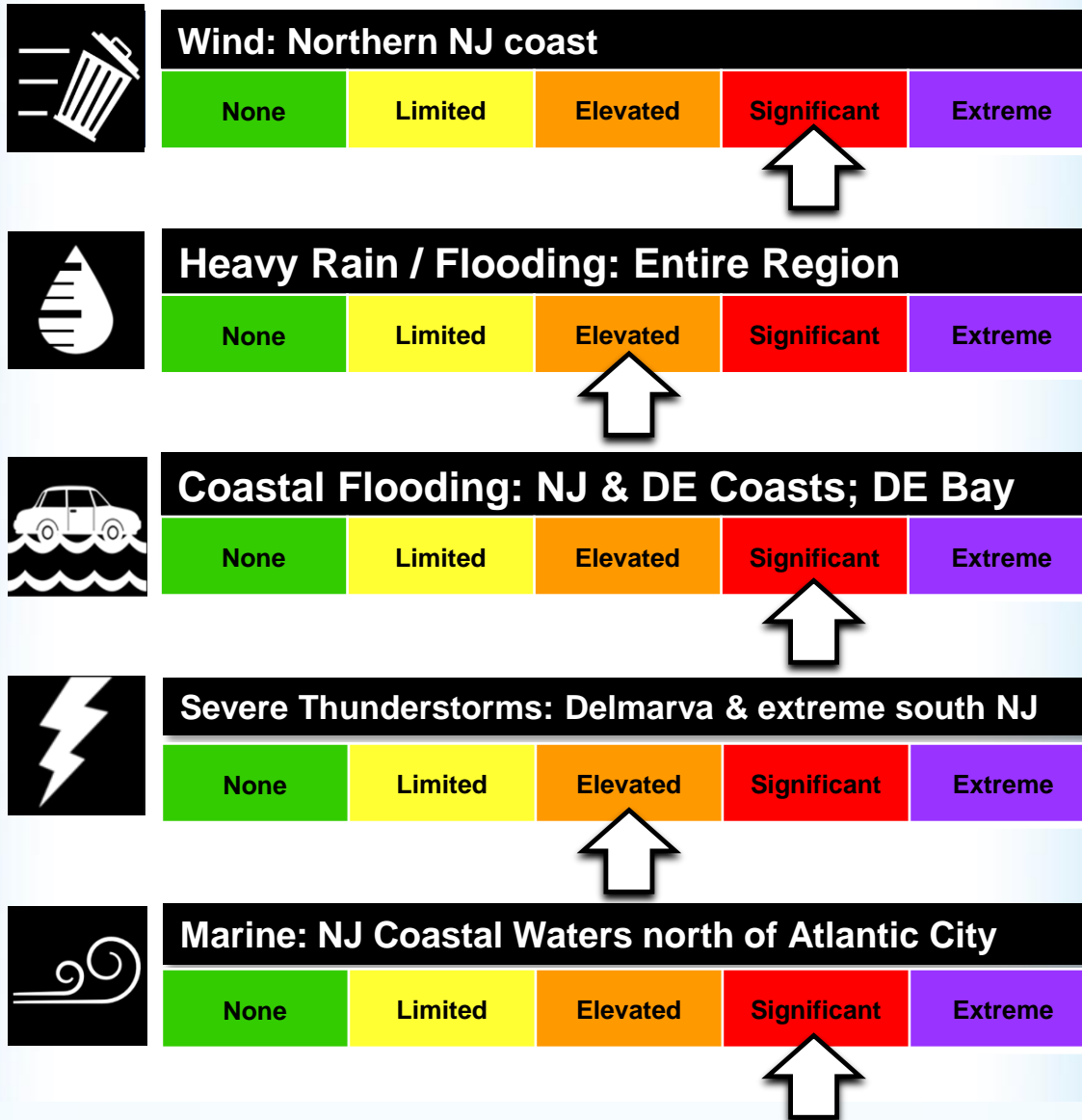




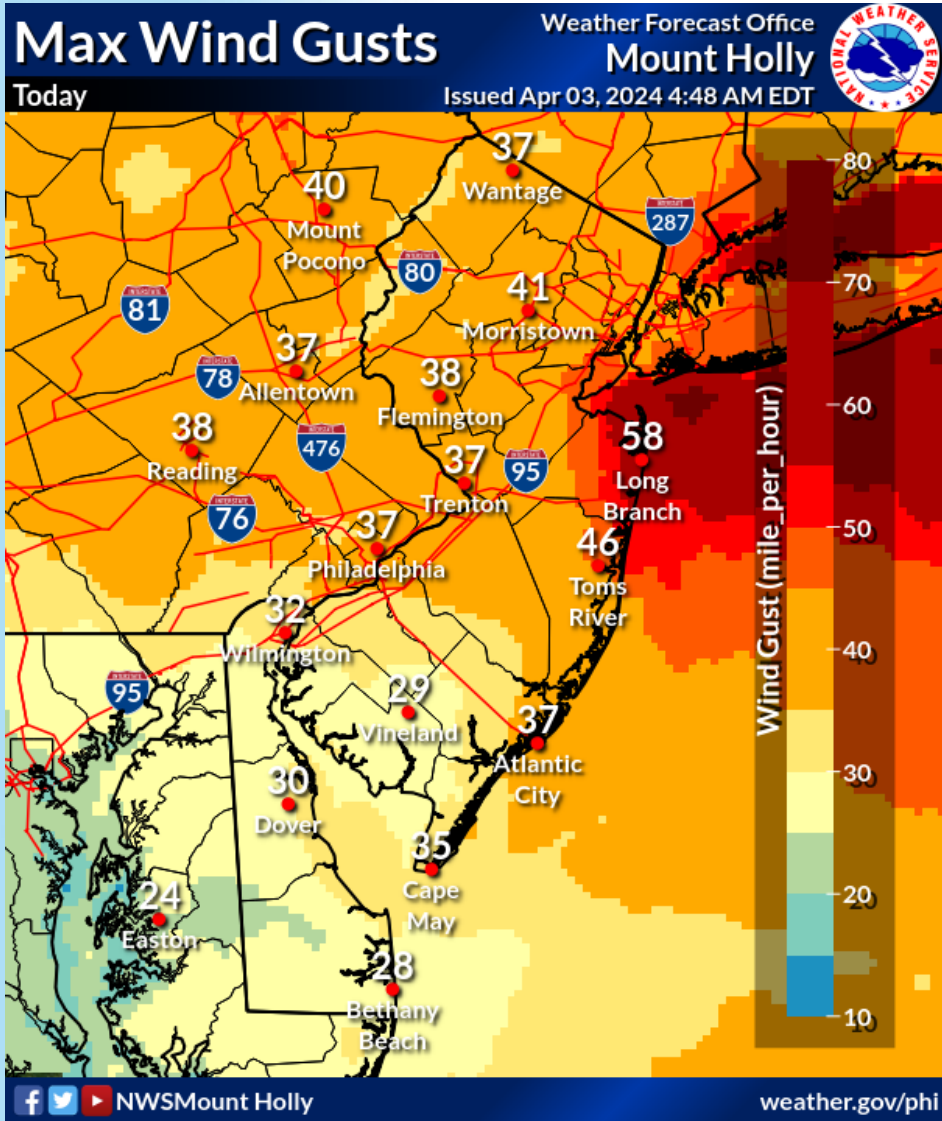
Hazard	Impacts	Location	Timing
Wind 	<p>Strong to damaging easterly winds 30-40 mph (20-25 mph inland) with gusts 45-60 mph (30-45 mph inland). Tree damage and power outages possible.</p>	<p>Strongest winds in Middlesex, Ocean, and especially Monmouth Counties.</p>	<p>Winds increasing this morning and peaking during the afternoon to early evening.</p>
Heavy Rain/ Flooding 	<p>Additional rainfall amounts of 1 to 3 inches expected. Minor to moderate river flooding possible. Urban and small stream flooding.</p>	<p>Moderate to heavy rainfall area-wide. Greatest risk of flooding primarily near and northwest of I-95.</p>	<p>Periods of rain continuing through tonight, heaviest this afternoon.</p>
Coastal Flooding 	<p>Minor to moderate coastal flooding. Some inundation of roads, beach erosion, and breaching of sand dunes possible.</p>	<p>New Jersey and Delaware coasts, and Delaware Bay. Moderate coastal flooding north of Atlantic City.</p>	<p>High tides today through Thursday morning.</p>
Severe Storms 	<p>Strong to severe thunderstorms with large hail, damaging winds, and a couple tornadoes possible.</p>	<p>Delmarva and extreme southern New Jersey.</p>	<p>This afternoon and early evening.</p>
Marine 	<p>Gale to storm force winds. Dangerous seas building to 8 to 12 ft. Expect difficult navigating conditions.</p>	<p>Atlantic coastal waters in NJ north of Atlantic City.</p>	<p>This morning through this evening. Winds peaking this afternoon.</p>



Summary of Greatest Impacts

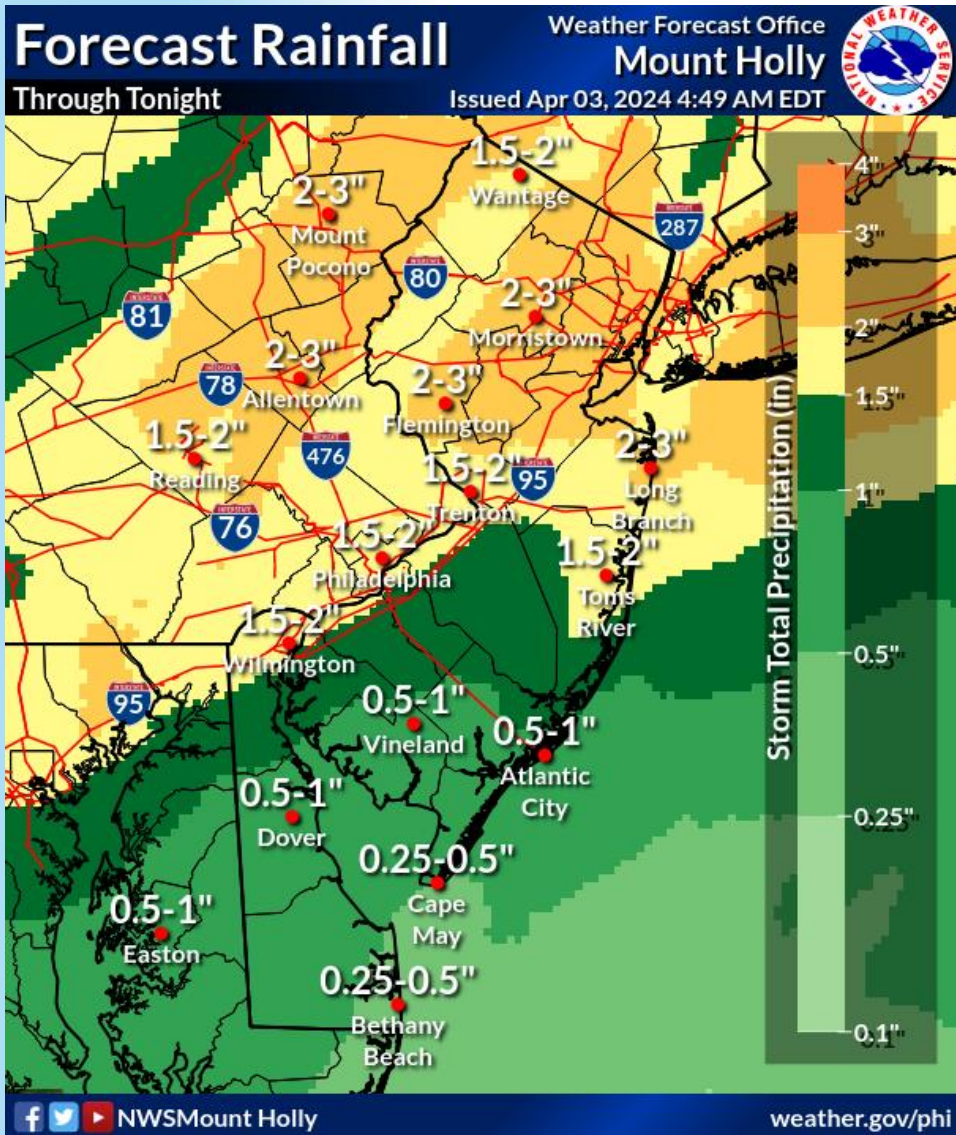


High Winds Today



- **High Wind Warning** in effect for **Monmouth County**. 30-40 mph winds with ***gusts up to 60 mph*** anticipated along the coast.
- **Wind Advisory** in effect for **Middlesex and Ocean Counties**. 20-30 mph winds with ***gusts up to 50 mph***, especially near the coasts.
- Elsewhere, easterly winds 15-25 mph with ***gusts 30-45 mph*** inland across central and northern New Jersey and eastern Pennsylvania.

Additional Rainfall Amounts through tonight



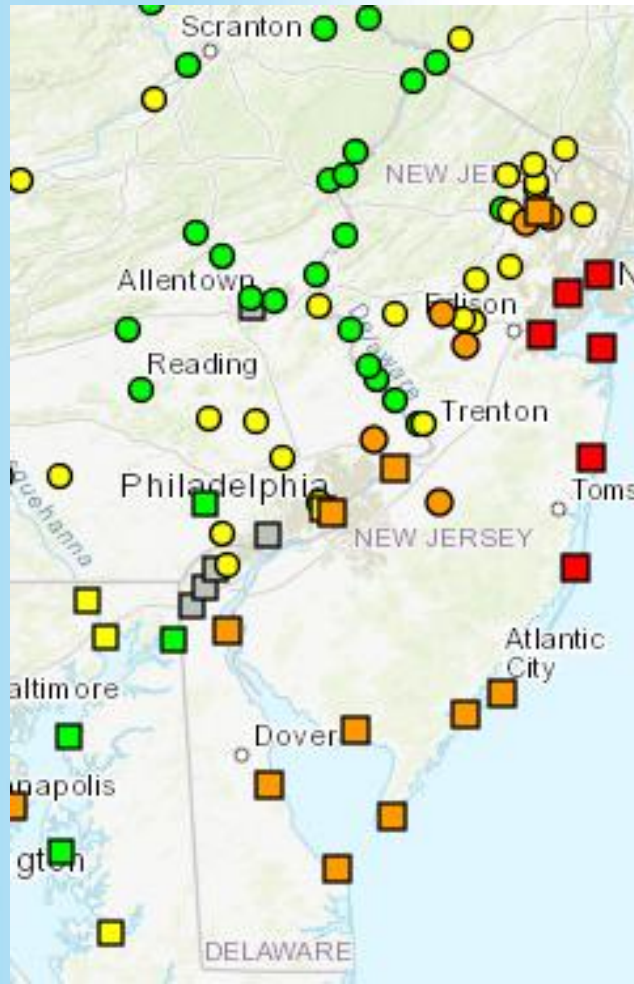
- Additional rainfall amounts 1 to 3 inches of rain expected, with locally higher amounts possible
- Flood Watch in effect today through Thursday for portions of the area (see watch area on first slide)
- Urban and poor drainage flooding could result in ponding on roadways and hazardous travel conditions.
- Small stream, creek, and river flooding possible (more information on the next slide).

Minor River Flooding

- Several river forecast points will get into at least Action Stage. Minor River flooding is forecast for some river forecast points. Moderate river flooding is possible.
- Slower-responding rivers may not get into flood until Thursday.

Monitor area rivers levels, forecasts & crests:
<https://www.weather.gov/phi/hydrodashboard>

Or as always, visit water.weather.gov



□ Forecast available
○ Probability and forecasts available
Major Flooding
Moderate Flooding
Minor Flooding
Near Flood Stage
No Flooding
Forecasts Are Not Current
No Forecast Within Selected Timeframe
Out of Service

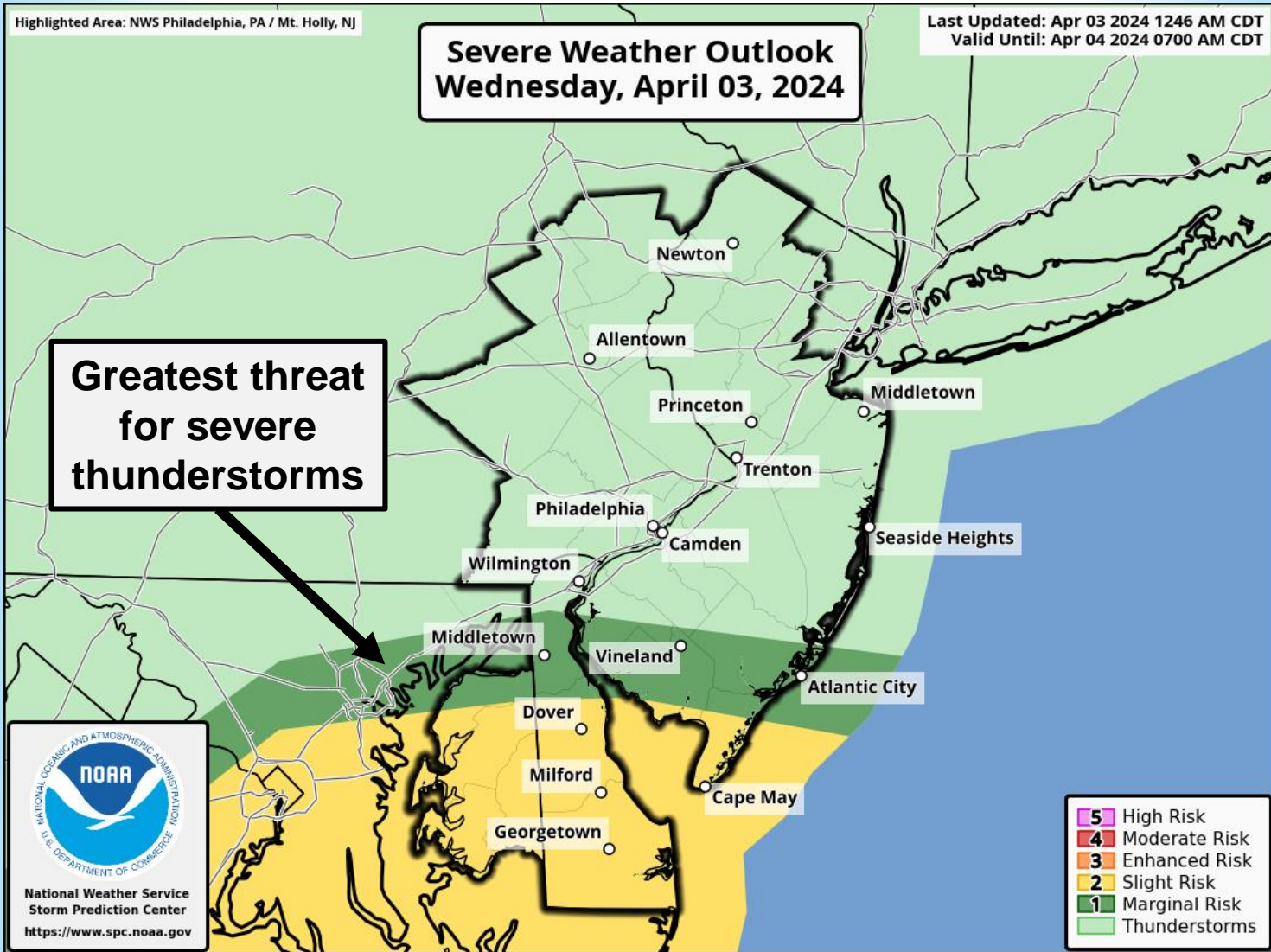
Major Flooding
Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations.

Moderate Flooding
Some inundation of structures and roads near stream. Some evacuations of people and/or transfer of property to higher elevations.

Minor Flooding
Minimal or no property damage, but possibly some public threat (e.g., inundation of roads).



Severe Thunderstorm Threat



Event Summary

- ✓ **Strong Winds: High Wind Warning** in effect for Monmouth County for wind gusts 55-60 mph. **Wind Advisory** in effect for Middlesex and Ocean Counties for gusts up to 50 mph. Throughout the rest of the New Jersey and eastern Pennsylvania, wind gusts will peak in the 30-45 mph range.
- ✓ **Flooding: Flood Watch** in effect for areas near and northwest of I-95 from today through Thursday. Additional rainfall amounts of 1 to 3 expected with locally higher amounts possible, bringing the potential for urban and poor drainage flooding. Minor river flooding is forecast for some river forecast points. Moderate river flooding is possible.
- ✓ **Coastal Flooding: Coastal Flood Warnings and Advisories** in effect. Minor to moderate coastal flooding along Atlantic coastal NJ and DE, and DE Bay impacting the high tides tonight through Thursday morning. Greatest threat for moderate coastal flooding in the warning area north of Atlantic City.
- ✓ **Severe Thunderstorms:** A few strong to severe thunderstorms possible, mainly across Delmarva and extreme southern New Jersey this afternoon and early evening. Potential for large hail, damaging winds, and a couple tornadoes.
- ✓ **Marine: Gale and Storm Warning** in effect for NJ Atlantic coastal waters north of Atlantic City through this evening. Sustained gale force winds are expected in this area with storm force gusts up to 55 kts near and north of Manasquan. Dangerous seas will build to 8 to 14 feet during this period.

Contact and Next Briefing Information



Next Briefing: Final unless there are major changes



Briefing Webpage:
www.weather.gov/media/phi/current_briefing.pdf



Web:
www.weather.gov/phi



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