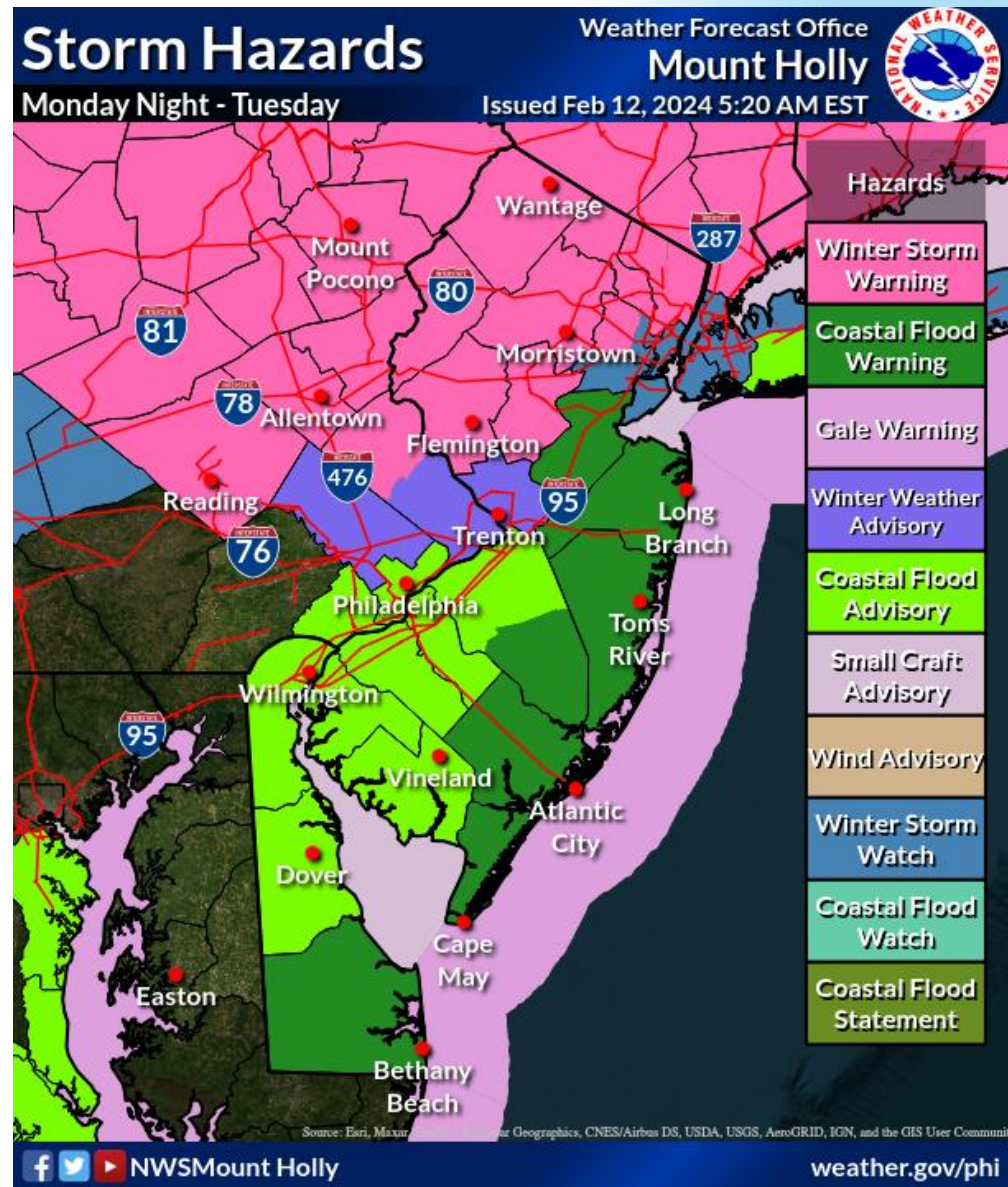


# February 12-13 Winter Storm






Decision Support Briefing #4  
As of: 6 AM Sunday, Feb 11th

## What Has Changed?

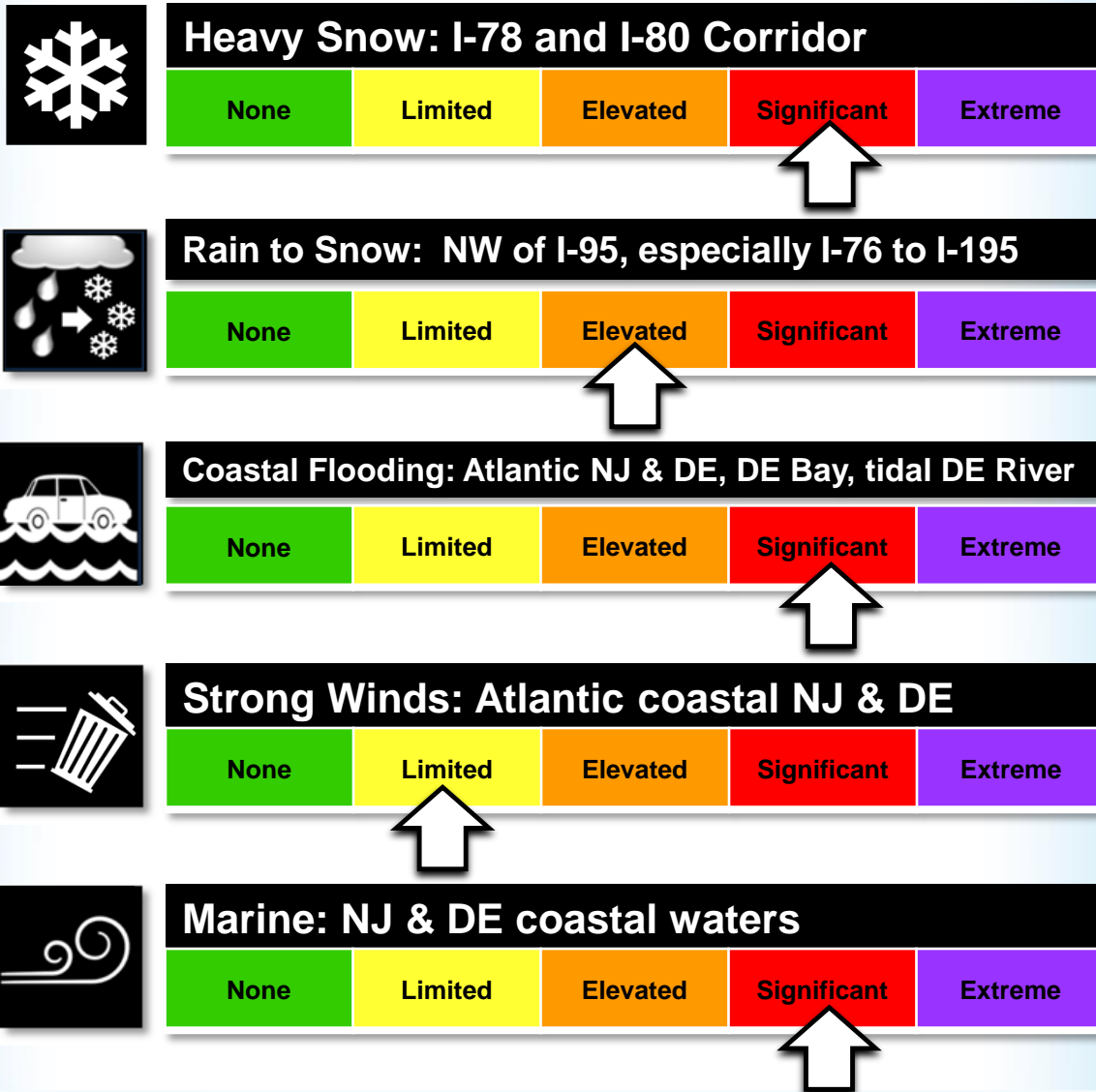
- ✓ \*\*\*Significant increase in snow amounts, particularly from I-76 to I-78\*\*\*.
- ✓ Upgrade to Winter Storm Warning for several NJ & PA counties along I-78 corridor.
- ✓ Coastal Flood Warnings added for Sussex County DE.
- ✓ Wind Advisory issued for Monmouth/Ocean NJ coast.



# Main Points

Hazard	Impacts	Location	Timing
<b>Heavy Snow</b> 	<p>Widespread heavy snowfall expected to impact the Tuesday morning commute.</p>	<p>Interstate 78 and Interstate 80 corridors.</p>	<p>Late tonight through Tuesday morning. Rain changes to snow 3 to 5 AM along I-78.</p>
<b>Rain to Snow</b> 	<p>Precipitation beginning as rain late tonight, changing to mainly snow. Snow may impact the Tuesday morning commute.</p>	<p>From I-76/I-195 corridor to I-95.</p>	<p>Tuesday morning. Changeover 5 to 8 AM, latest I-95.</p>
<b>Coastal Flooding</b> 	<p>Moderate coastal flooding forecast for Atlantic coast. Some road closures and inundation of property.</p>	<p>Atlantic coastal NJ &amp; DE, DE Bay, and tidal DE River.</p>	<p>High tides from Monday through Tuesday night. Moderate coastal flooding along coastal NJ with the Tuesday high tide.</p>
<b>Strong Winds</b> 	<p>Strong winds with gusts 40 to 50 mph possible may result in isolated wind damage and power outages.</p>	<p>Immediate coastal areas of NJ and DE (especially Ocean &amp; Monmouth NJ).</p>	<p>Tuesday morning through early afternoon.</p>
<b>Marine</b> 	<p>Dangerous marine conditions. Gale force winds and seas 6-9 feet.</p>	<p>All Atlantic coastal waters of New Jersey &amp; Delaware, and Delaware Bay.</p>	<p>Tuesday.</p>

# Summary of Greatest Impacts





# Expected Snowfall Accumulation



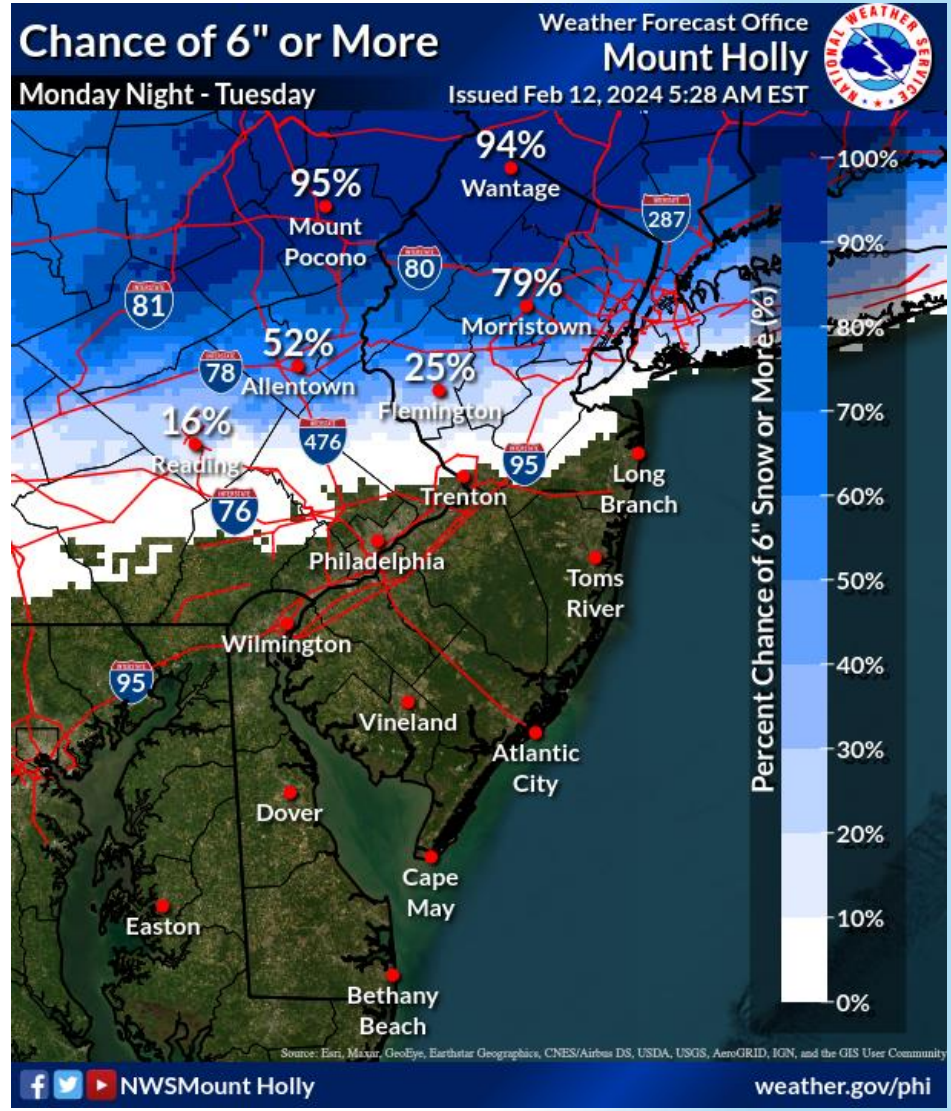
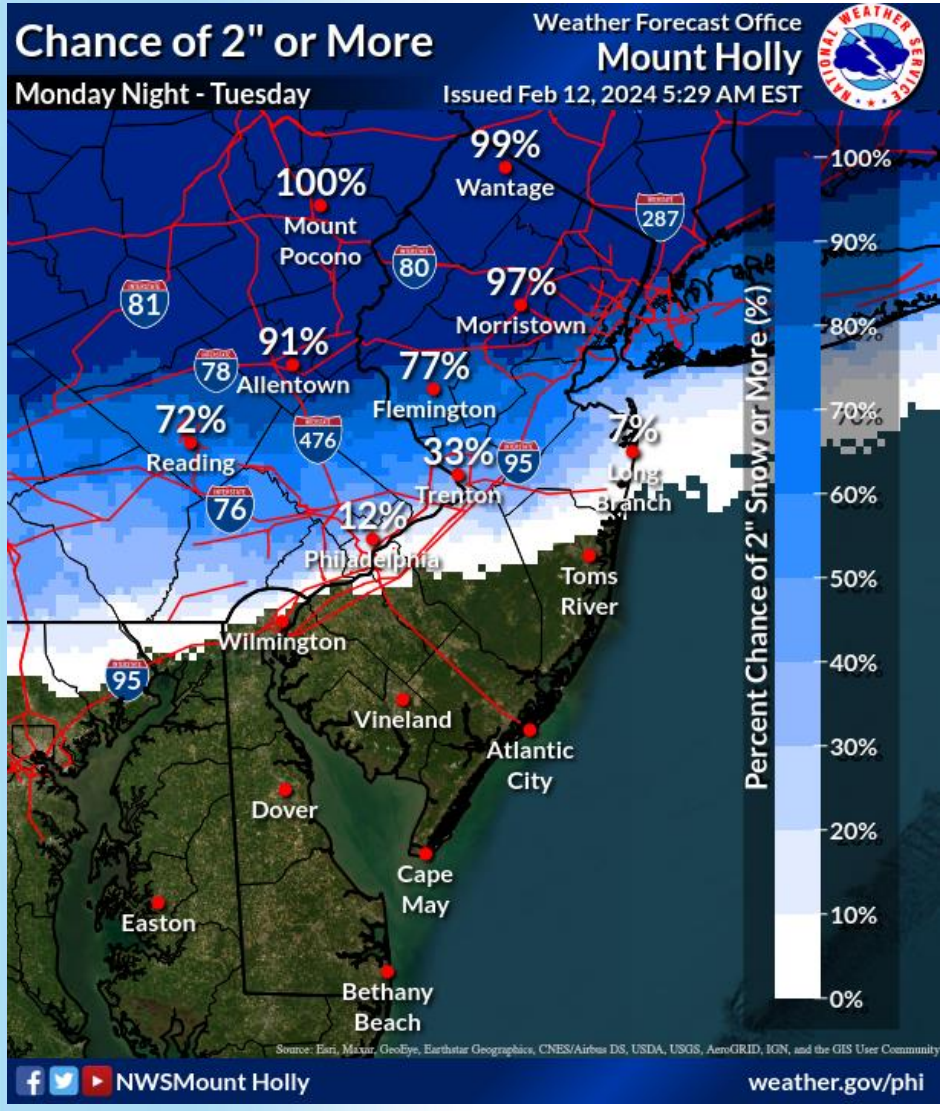
**I-78 Northward:**  
*Heavy Snow.*

**South of I-78 Corridor to I-95:** *Rain changing to snow from NW to SE predawn hours Tuesday. Heavy snow possible for the commute. Slushier near I-95.*

**Southeast of I-95 corridor:** *Mainly rain, possibly ending as wet snow. Only minor accumulations possible.*



# Probability of Exceedance of Specific Snowfall Amounts





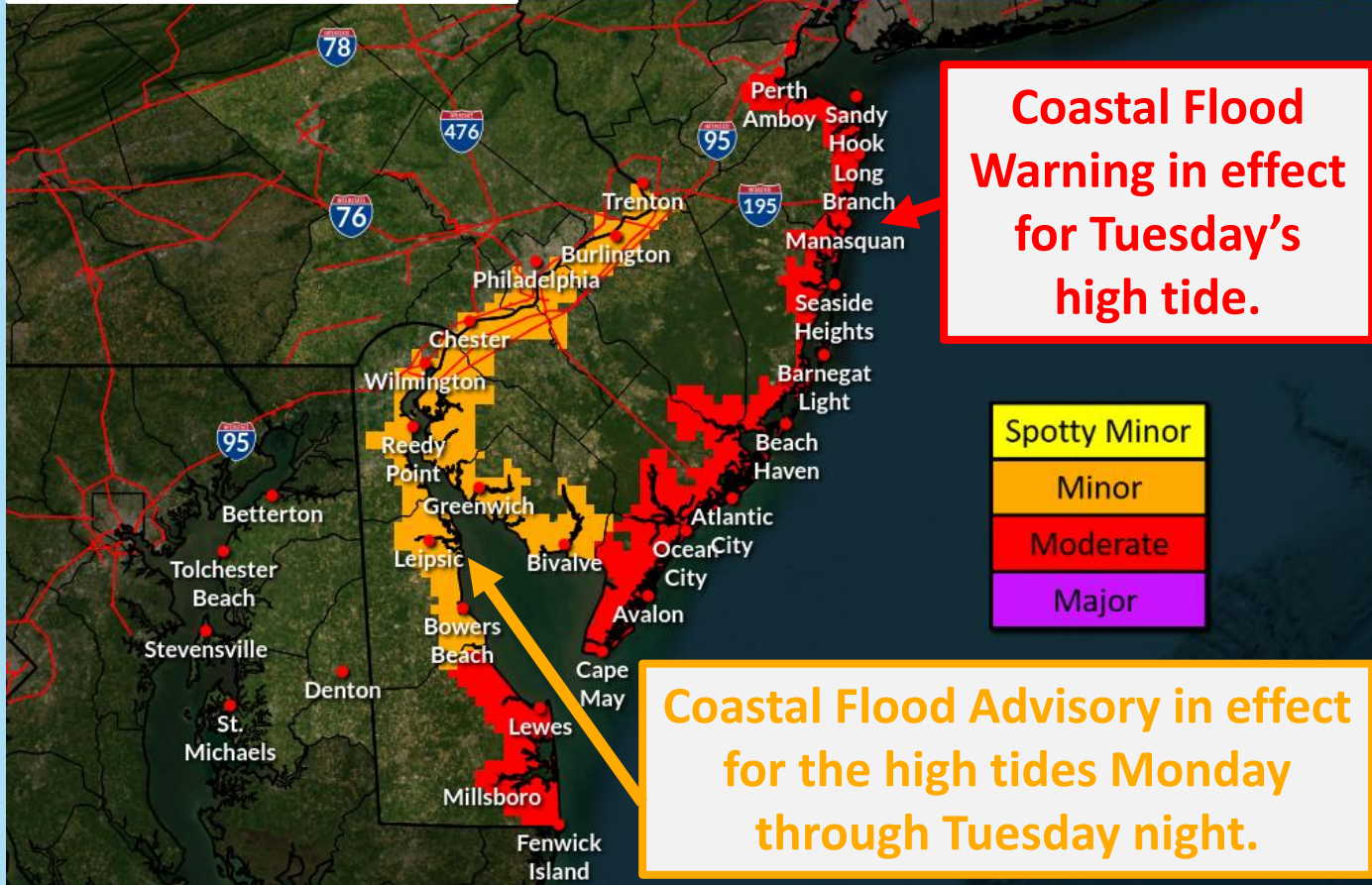
# Coastal Flood Threat

## Coastal Flood Threat

Valid Mon 7:00PM through Wed 7:00AM EST

Weather Forecast Office  
Mount Holly

Issued Feb 12, 2024 5:37 AM EST



**Coastal Flood Warning in effect for Tuesday's high tide.**

**Coastal Flood Advisory in effect for the high tides Monday through Tuesday night.**

Widespread **Minor** to **Moderate** Coastal Flooding with Tuesday's high tide.

*Minor coastal flooding forecast to occur with the high tides today through Tuesday night as well. Warnings and Advisories are in effect to cover all high tide cycles.*

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community







# Max Wind Gusts and Rainfall Forecasts

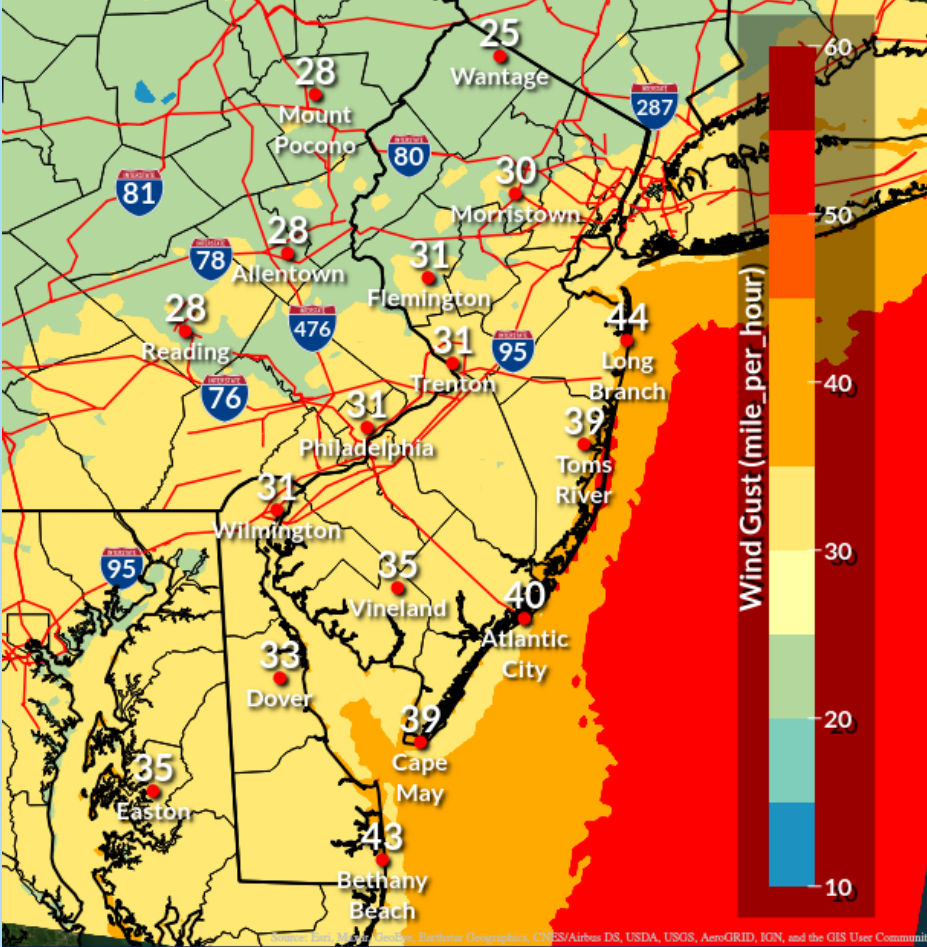
## Max Wind Gusts

Weather Forecast Office  
Mount Holly



Monday Night - Tuesday

Issued Feb 12, 2024 5:31 AM EST



NWSMountHolly

weather.gov/phi

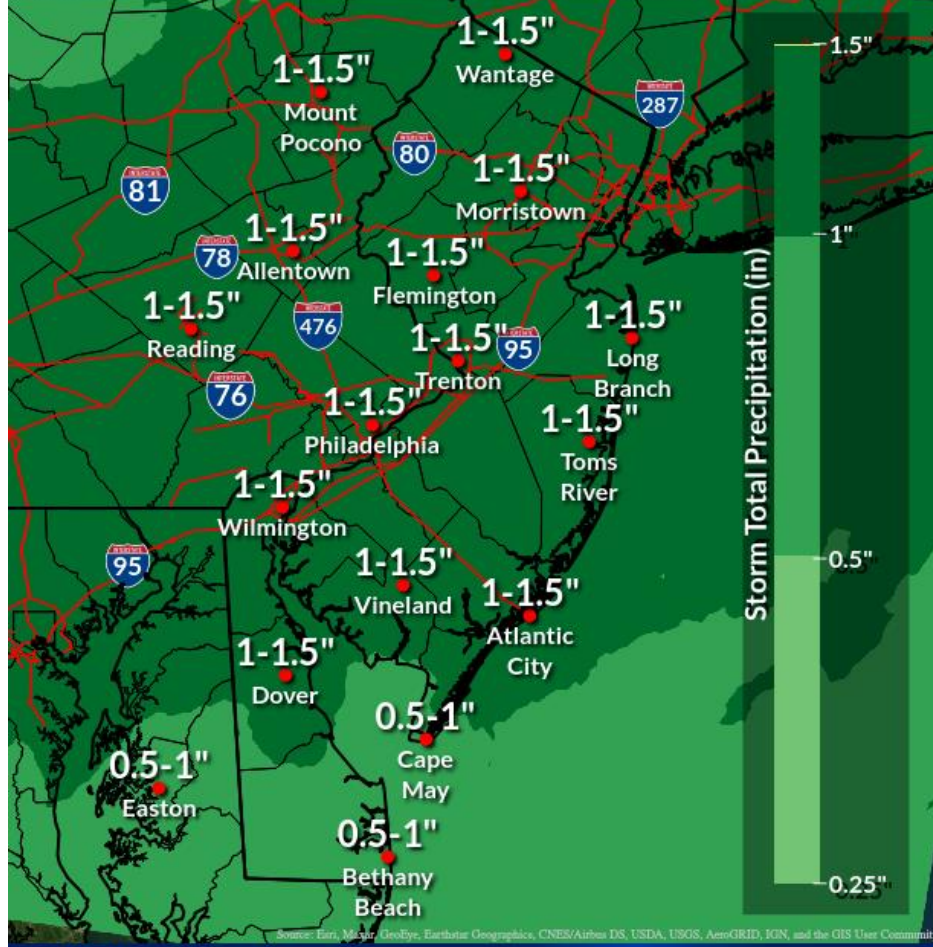
## Rainfall/Liquid Equiv.

Weather Forecast Office  
Mount Holly



Monday Night - Tuesday

Issued Feb 12, 2024 5:35 AM EST



NWSMountHolly

weather.gov/phi



## Event Summary

- ✓ **A winter storm is forecast to impact the region** late Tonight & especially Tuesday Morning.
- ✓ **Significant, at times heavy accumulating snowfall is forecast**, now including the I-78 corridor and I-80 as well. Snowfall rates over 1" per hour, especially around the Tuesday morning commute, which will make for very hazardous travel conditions.
- ✓ **Rain changing to accumulating snowfall is forecast** along the I-76 corridor, possibly down to I-95. Snowfall rates of 0.5" to 1" per hour are possible briefly north of I-76 to I-95. While accumulations are expect to be slushy near I-95, this could result in poor travel conditions Tuesday morning, especially farther north.
- ✓ **Minor to moderate coastal flooding is forecast** with the Tuesday high tide for the Atlantic coasts of New Jersey & Delaware, Delaware Bay, and the tidal Delaware River.
- ✓ **Dangerous marine conditions are expected** Tuesday with gale force winds and seas 6 to 9 feet.
- ✓ **Widespread rainfall amounts near 1" are forecast** where mainly rain occurs. Fresh water flooding is not expected to pose a threat, although rainfall may exacerbate coastal flooding.



# Contact and Next Briefing Information



**Next Briefing**  
*When: By 6 PM Monday, Feb 12th*

**Briefing Webpage:**  
[www.weather.gov/media/phi/current\\_briefing.pdf](http://www.weather.gov/media/phi/current_briefing.pdf)



**Web:**  
[www.weather.gov/phi](http://www.weather.gov/phi)



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