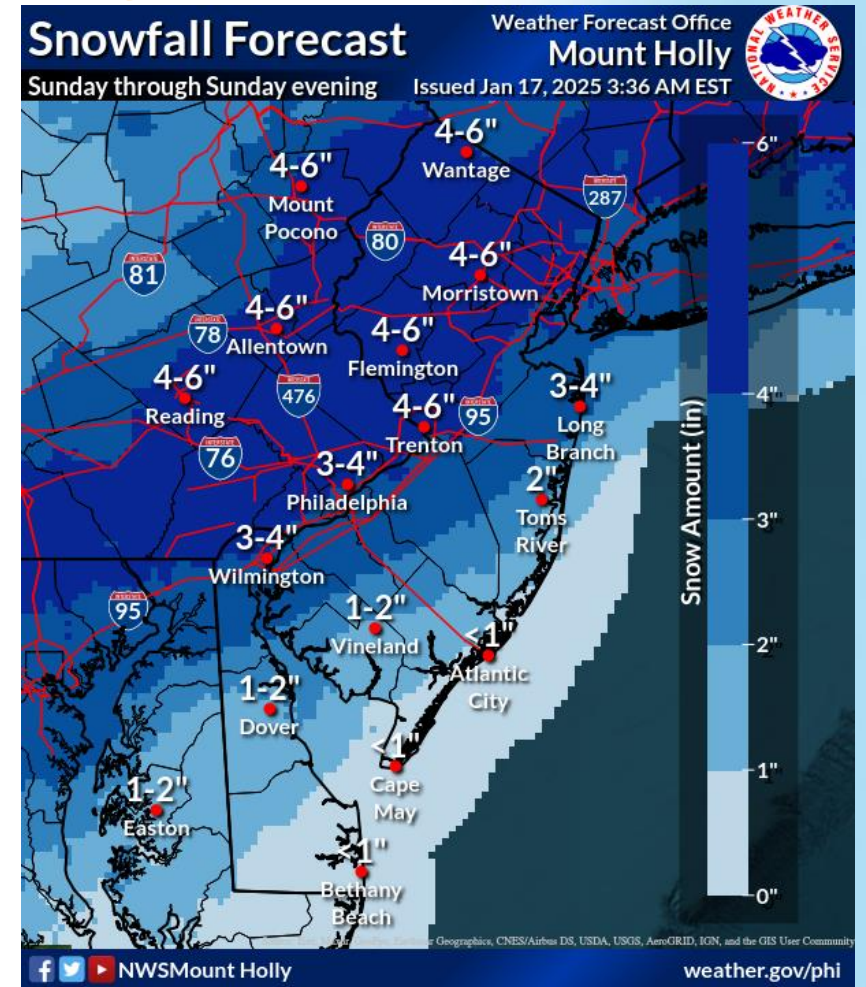






Wintry Precipitation and Extreme Cold Impacts January 18 – 22, 2025

Decision Support Briefing #1
As of: 6 AM Friday, Jan. 17, 2025

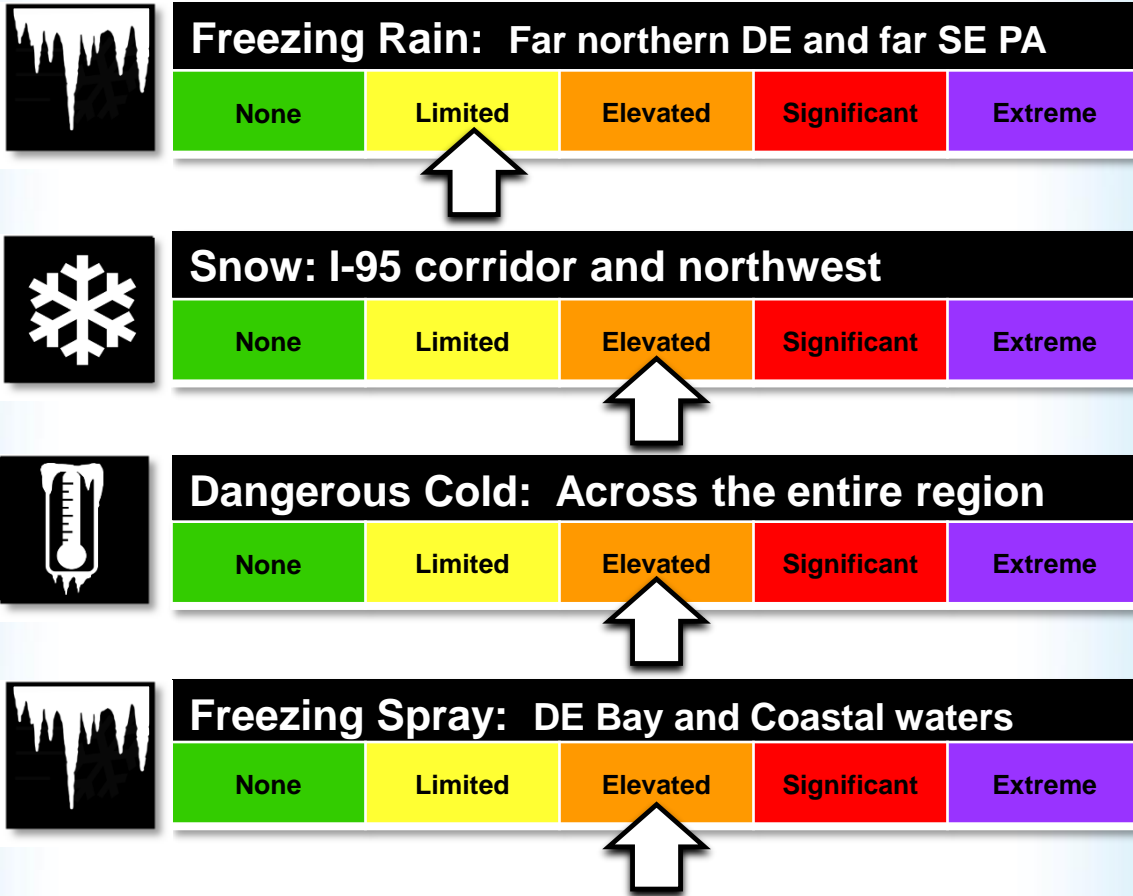
What Has Changed?
✓ Initial Briefing



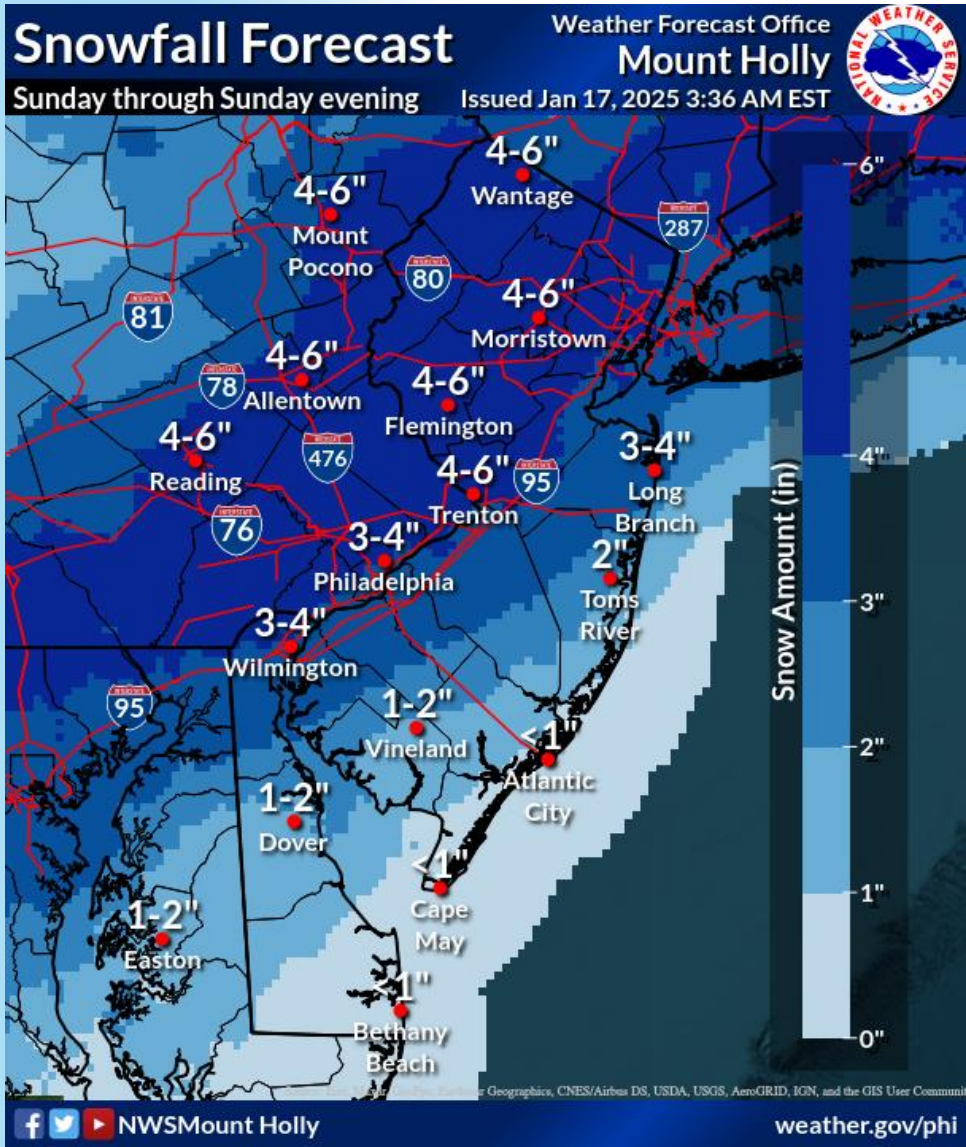
Main Points

Hazard	Impacts	Location	Timing
Freezing Rain 	<p>20% chance for Localized light freezing rain that could result in a thin glaze of ice creating slippery conditions especially on untreated surfaces.</p>	<p>Far northern DE and extreme southeastern PA. Will not be widespread</p>	<p>Saturday (Jan 18) from sunrise through mid morning. After that, temperatures should be warm enough for plain rain</p>
Snow 	<p>Widespread snowfall accumulations, with snowfall rates potentially exceeding 1" per hour, may lead to snow covered roads and difficult travel</p>	<p>Possible across the region. Highest forecast snow amounts are near and northwest of the Interstate 95 corridor</p>	<p>Starting as early as Sunday morning (Jan 19) through Sunday evening</p>
Dangerous Cold 	<p>Minimum Wind Chills below 0°. Impacts to people, animals, and infrastructure possible, including increased risk of hypothermia & frost bite, and potential for frozen pipes & increased heating energy demand</p>	<p>The entire region; coldest conditions expected in the southern Poconos, northern NJ, and Lehigh Valley</p>	<p>Starting Sunday night (Jan 19) and continuing through Wednesday night (Jan 22)</p>
Marine/ Freezing Spray 	<p>Freezing spray could lead to hazardous marine vessel operations and navigation. Increased ice cover is likely on back bays, Delaware Bay, and tidal Delaware River</p>	<p>Delaware Bay and Atlantic Coastal waters adjacent to NJ and DE</p>	<p>Late Sunday (Jan 19) through Wednesday (Jan 22)</p>

Summary of Greatest Impacts



Expected Snowfall Accumulation

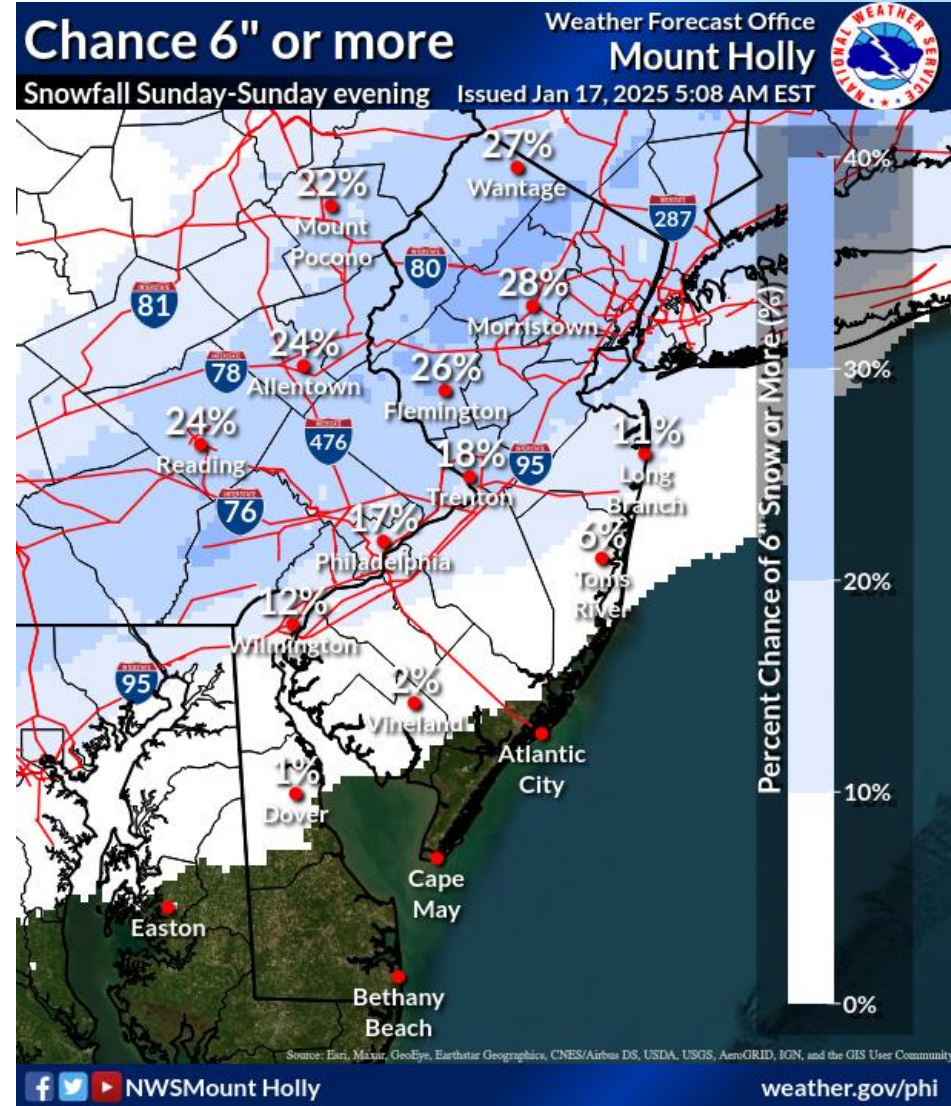
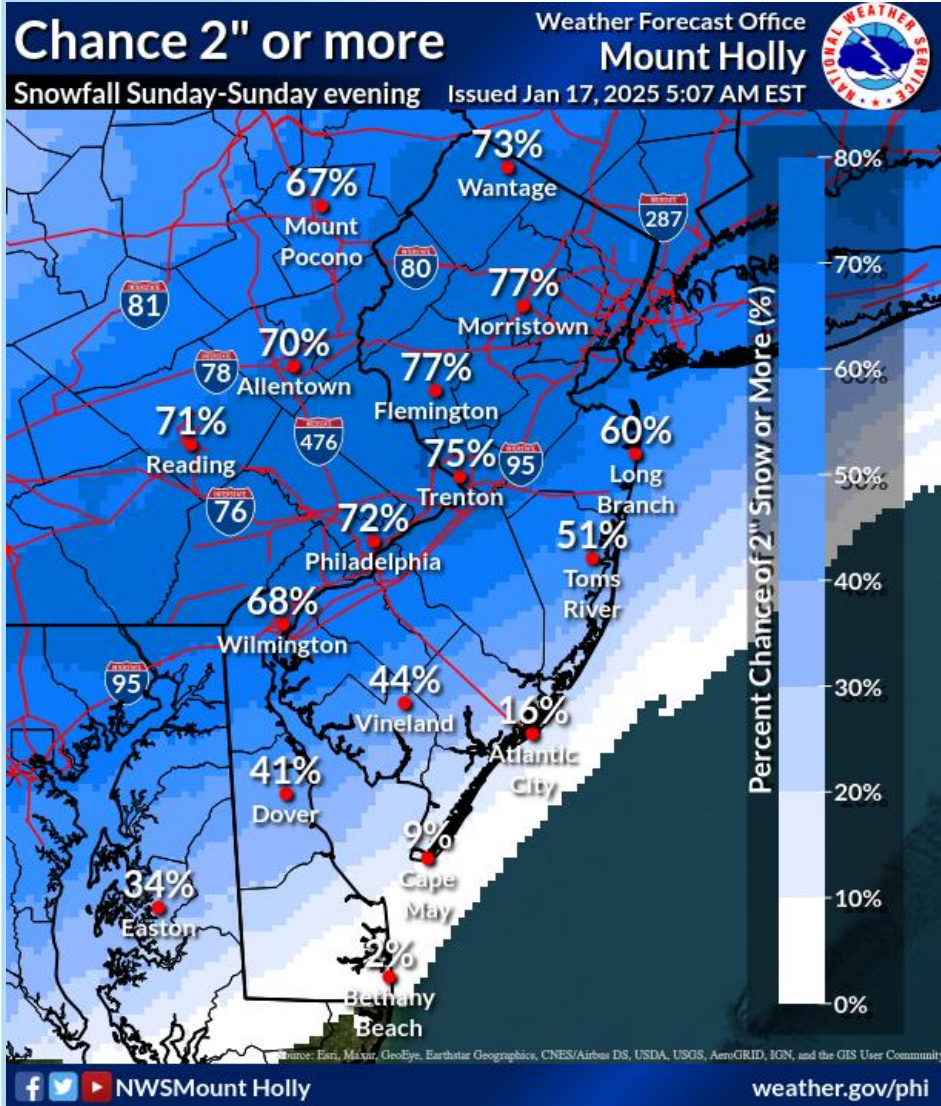


Uncertainty in Snowfall Forecast:

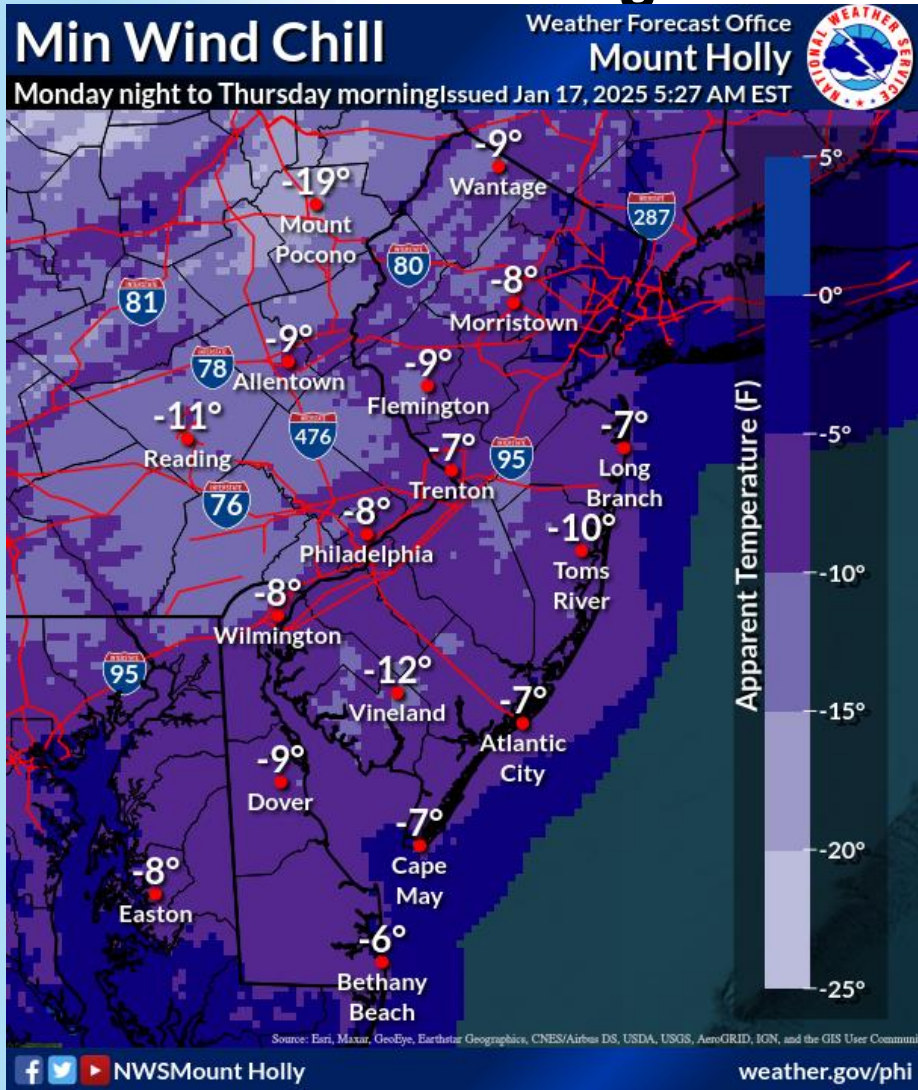
- ✓ Confidence is moderate (40-60%)
- ✓ Snowfall rates could exceed 1" per hour near and northwest of the I-95 corridor

Impacts ↑	Extreme			
	Significant			
	Elevated		X	
	Limited			
	None			
		Low	Moderate	High
		Confidence →		

Probabilistic Snowfall Forecast

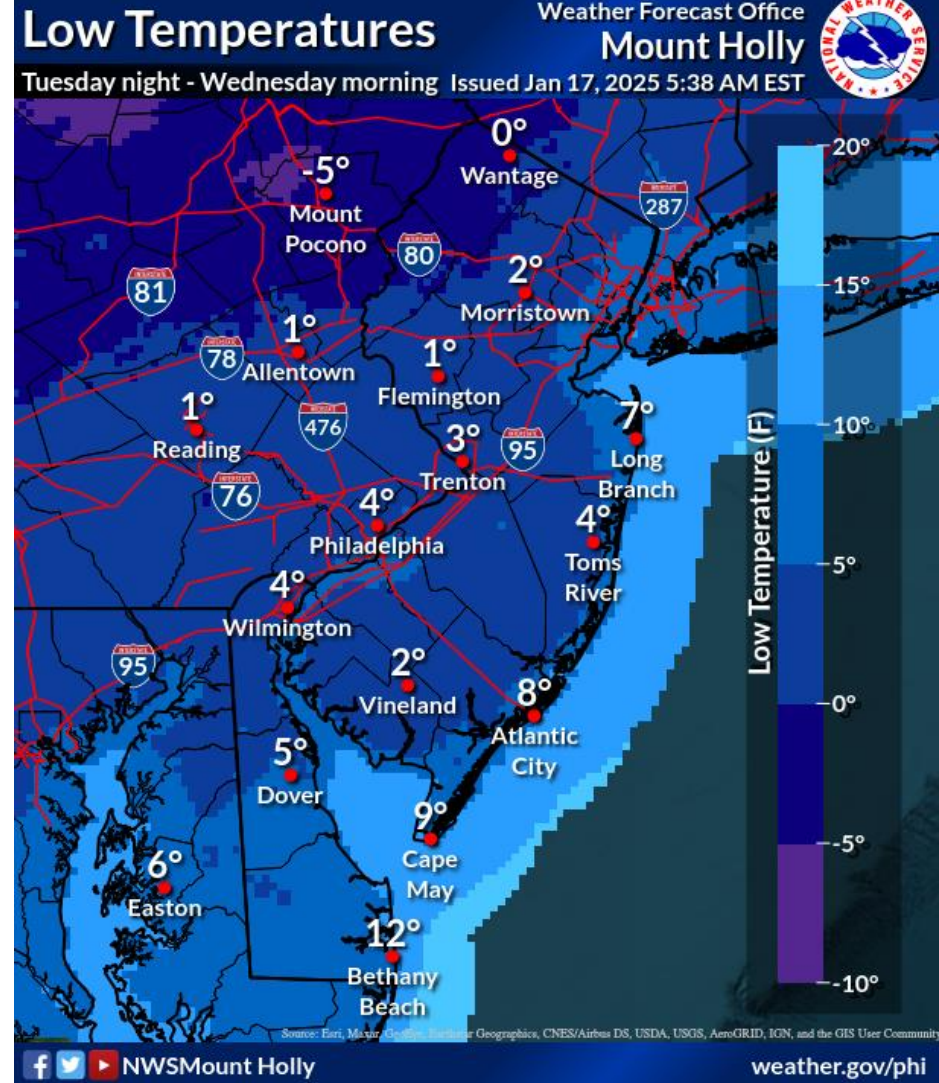
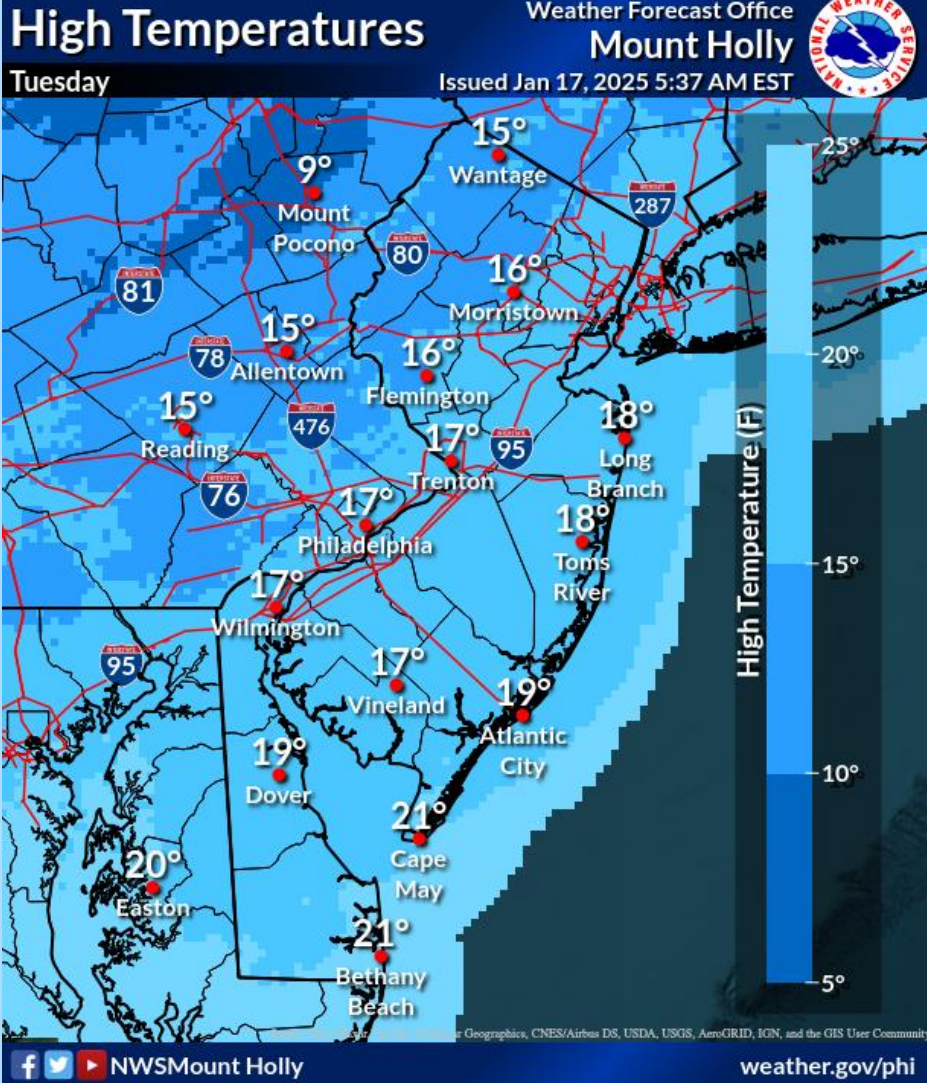


Dangerously Cold Conditions – Monday night through Thursday morning



- ✓ Temperatures falling well below freezing Sunday night, and remain below freezing until at least Friday
- ✓ The coldest period will be Monday night through Thursday morning
- ✓ High temperatures in the teens, lows in the single digits to below 0°
- ✓ Night time wind chills below 0°, and only recover into the single digits during the daytime

High and Low Temperatures – Tuesday



Event Summary

- ✓ Saturday (Jan. 18): There is a 20% chance for localized light freezing rain in far northern Delaware and extreme southeastern Pennsylvania from sunrise through mid morning Saturday. If this happens, slippery conditions will be possible, especially on untreated surfaces
- ✓ Sunday (Jan. 19): Widespread snow accumulations, with snowfall rates potentially exceeding 1" per hour, may result in travel difficulties. Greatest totals of around 3-5" possible near and northwest of the I-95 corridor. Snow mixing with rain closer to the coast, with totals of 1-3" possible.
- ✓ Sunday night (Jan. 19) through Wednesday night (Jan. 22): Dangerously cold conditions with minimum wind chills below 0° are likely to lead to impacts for people, animals, and infrastructure. There will be an increased risk of hypothermia and frost bite. Impacts to infrastructure could include frozen pipes and increased demand for heating energy.
- ✓ Sunday night (Jan. 19) through Wednesday (Jan. 22): A combination of freezing spray on open waters and an increase in ice cover on back bays, Delaware Bay, and the tidal Delaware River is likely to result in hazardous conditions for operating and navigating marine vessels.

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