

# **Bitter Cold Weather (Again) Monday Night into Wednesday January 6<sup>th</sup> -8<sup>th</sup> 2014**

Prepared 900 AM EST – Monday January 6th, 2014

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Philadelphia/Mt. Holly NJ Forecast office

<http://www.erh.noaa.gov/phi/>



**National Weather Service  
Philadelphia/Mt. Holly**

# Purpose of Briefing

- Briefing #1 (and only) for event
- Promote situational awareness for emergency management community & partners
- Provide guidance for planning efforts
- Briefing applies to Mount Holly service area – shaded in green on map



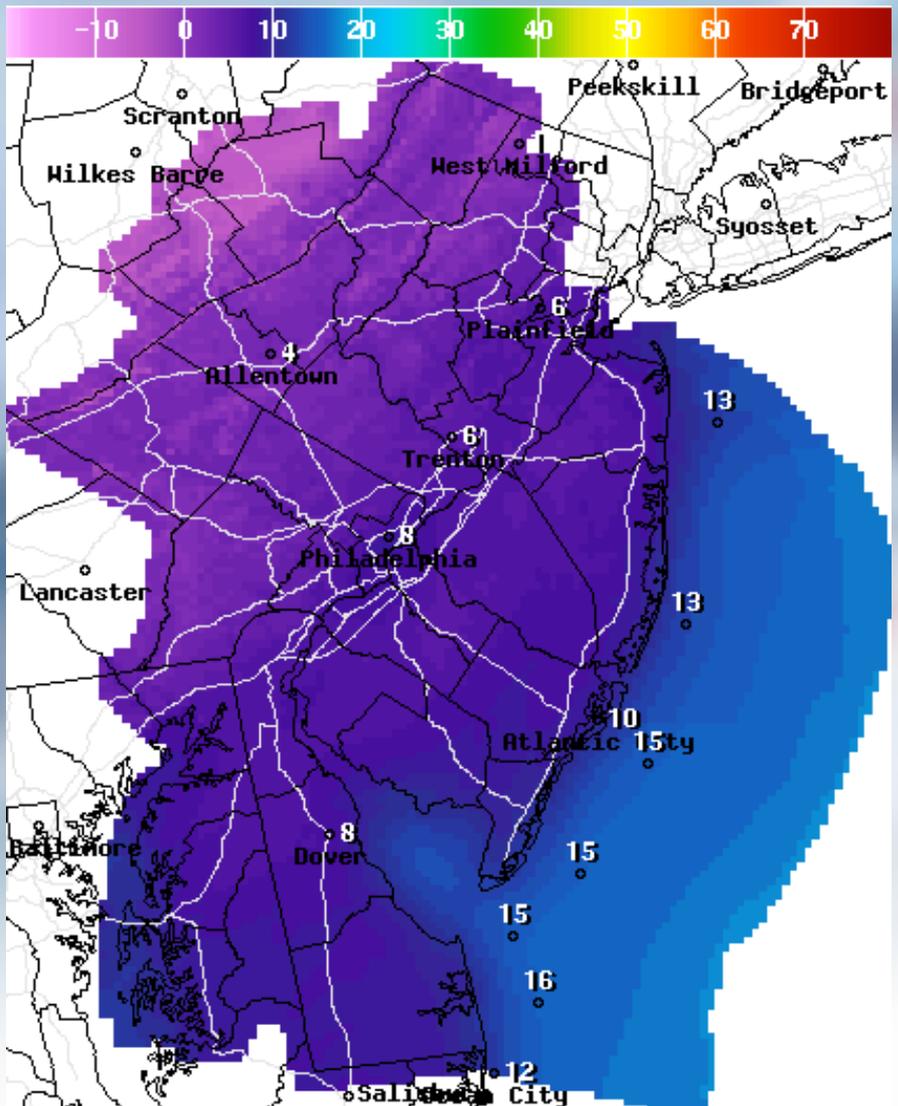
# Executive Summary

- An Arctic airmass will overtake the area after a cold front moves through the region this morning. The 7 AM temperature here at Mount Holly was 58 degrees, a full 58 degrees warmer than Saturday morning! Don't get used to these warm temperatures...winter is coming back...TODAY!
- As temperatures drop below freezing...standing water will freeze which will once again cause hazardous road conditions...especially on untreated roads.
- Northwest winds gusting in the 25 to 35 mph range are expected late this morning through this afternoon. Even higher wind gusts in the 30 to 40 mph range are expected tonight through Tuesday morning. Winds will start to gradually subside Tuesday afternoon.
- The combination of strong winds and cold temperatures will create dangerous wind chill factors tonight and Tuesday. Wind chill factors as low as 30 degrees below zero can be expected in the far northern portions of the Mount Holly CWA from tonight into Wednesday morning. Wind chill factors from zero to 20 below zero can be expected elsewhere. This could feel like the coldest outbreak for our area in several years.
- Unless significant changes occur in the forecast, this will be the only briefing package for this event.
- Monitor our website for updated information - <http://www.erh.noaa.gov/phi/>



Low Temperature Forecast for Tuesday Morning – January 7<sup>th</sup>

This map does **NOT** include the effect of wind, which will make conditions feel much colder.



Low Temperature (F) Ending Tue Jan 07 2014 9AM EST

(Tue Jan 07 2014 14Z)

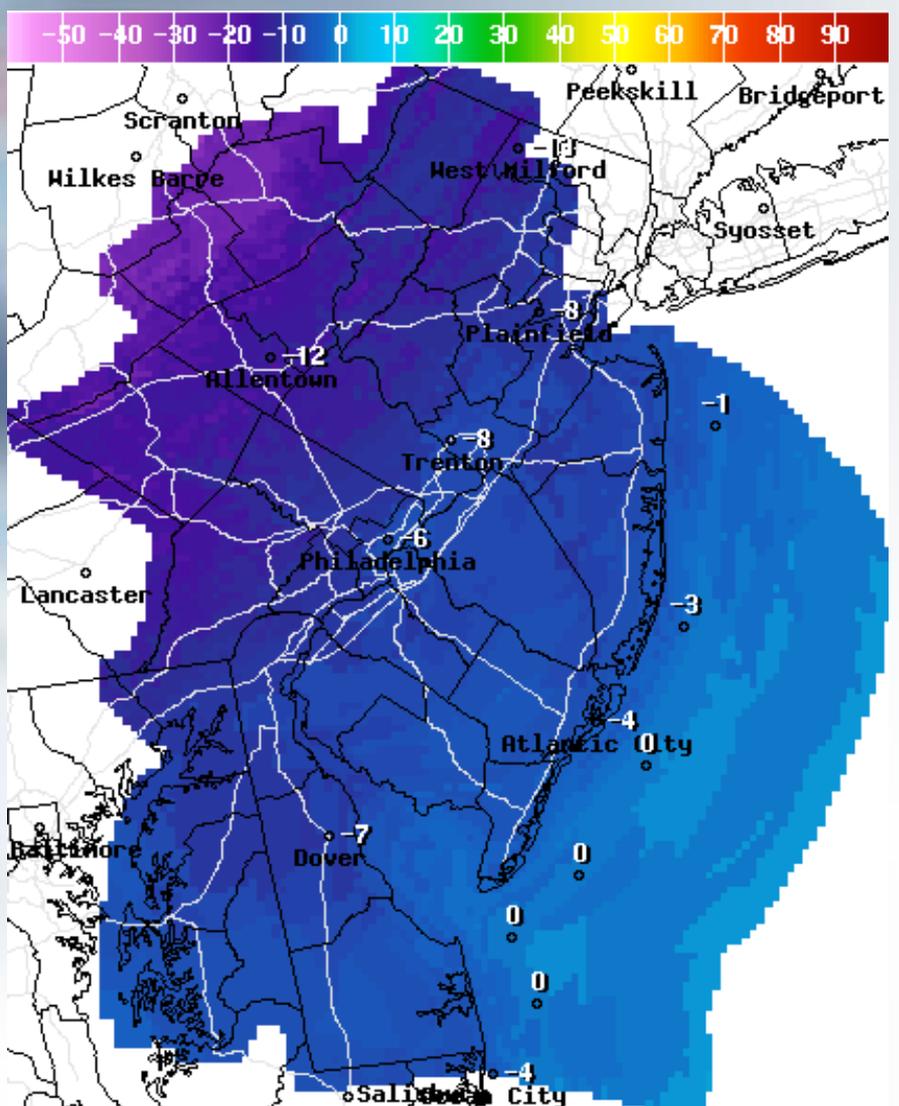
NWS Mount Holly, NJ

Graphic Created Jan 06 6:07AM EST



Wind Chill Temperature Forecast for Tuesday Morning – January 7<sup>th</sup>

This map **DOES** include the effect of wind, which will make conditions feel much colder.



Apparent Temp. (F) For Tue Jan 07 2014 4AM EST

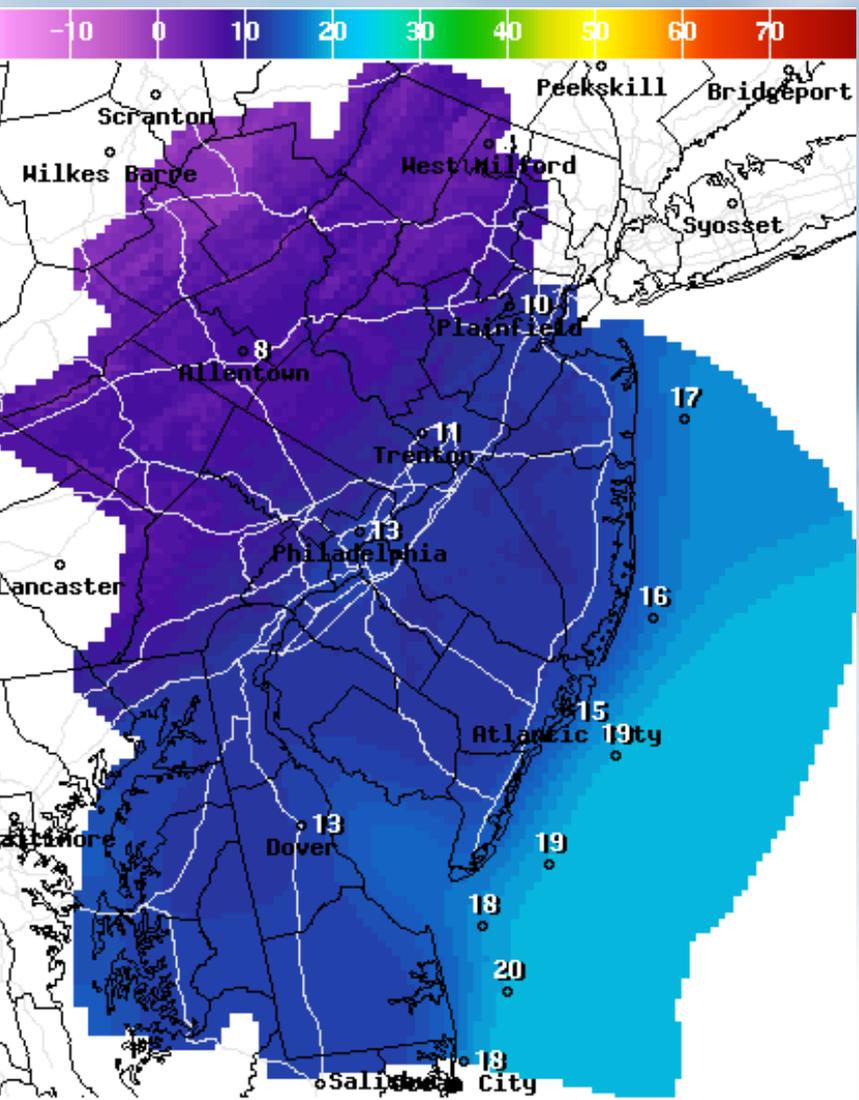
(Tue Jan 07 2014 09Z)

NWS Mount Holly, NJ

Graphic Created Jan 06 8:35AM EST

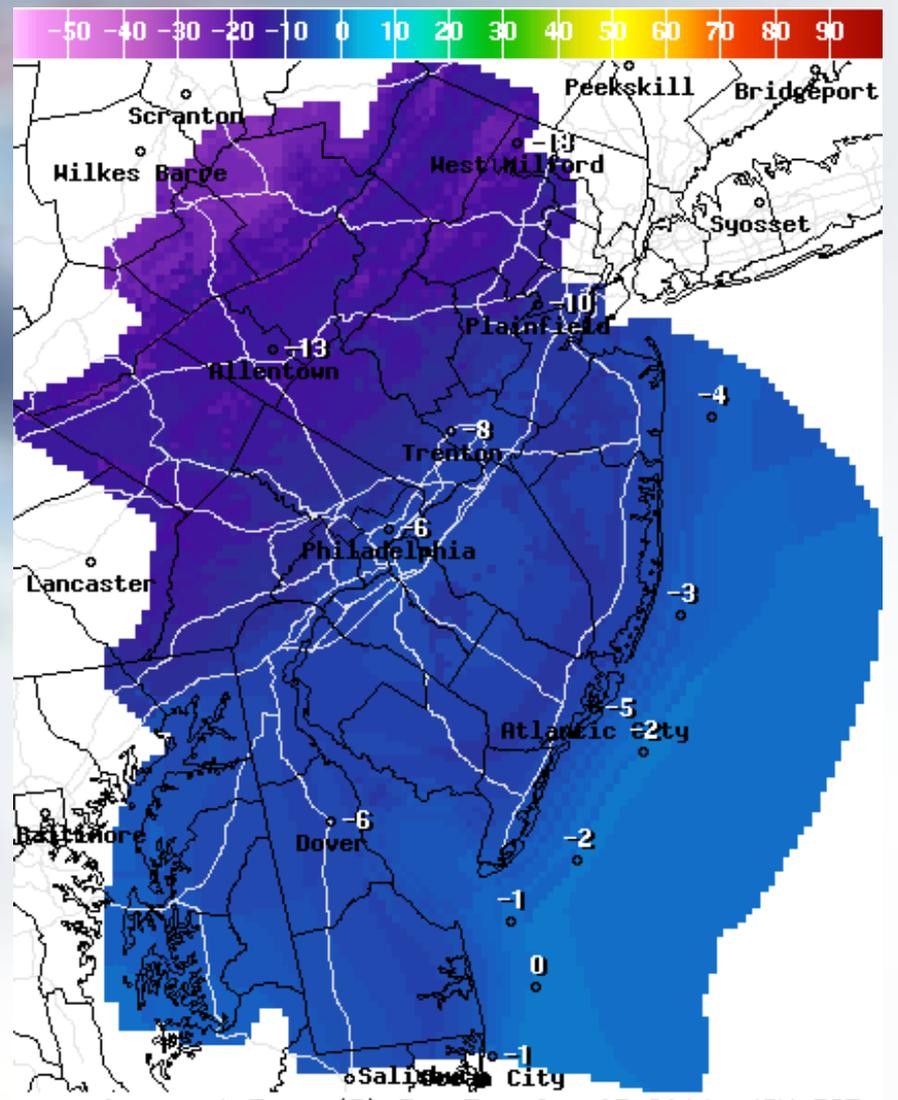


High Temperature Forecast for Tuesday Afternoon – January 7<sup>th</sup>. This map does **NOT** include the effect of wind, which will make conditions feel much colder.



High Temperature (F) Ending Tue Jan 07 2014 8PM EST  
 (Wed Jan 08 2014 01Z)  
**NWS Mount Holly, NJ**  
 Graphic Created Jan 06 6:06AM EST

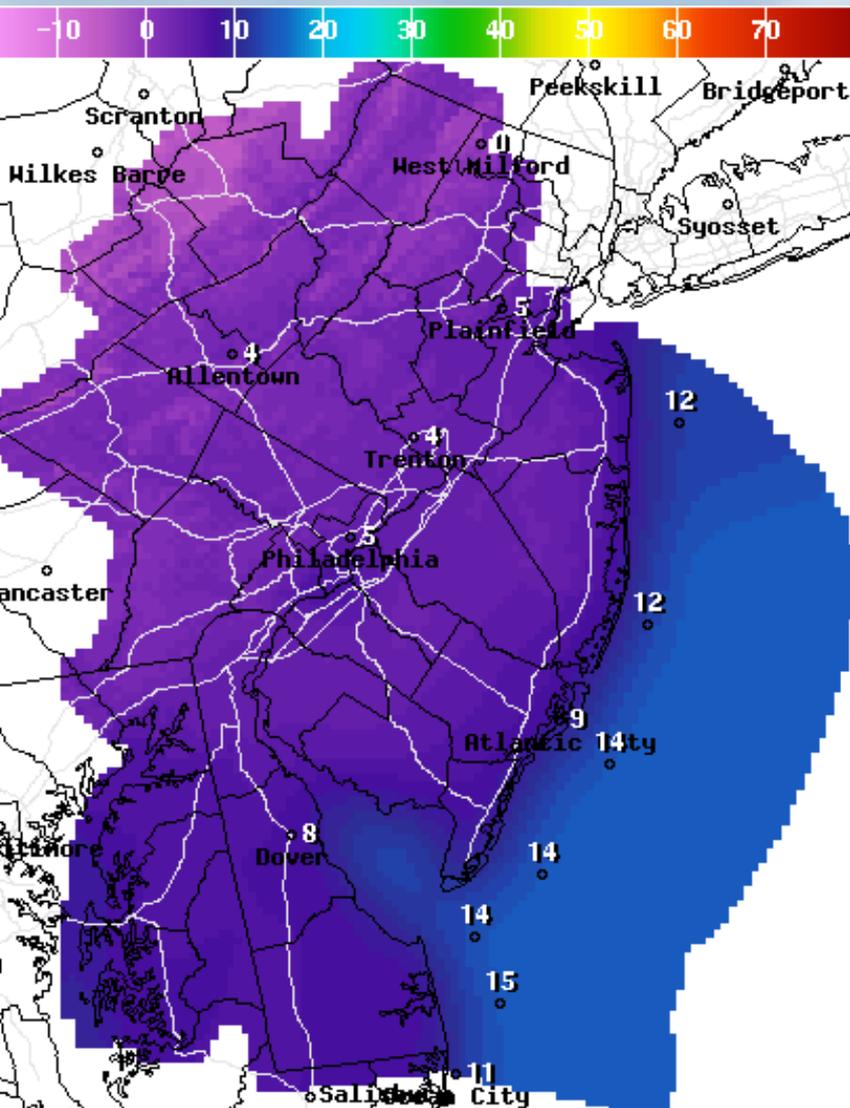
Wind Chill Temperature Forecast for Tuesday Afternoon – January 7<sup>th</sup>. This map **DOES** include the effect of wind, which will make conditions feel much colder.



Apparent Temp. (F) For Tue Jan 07 2014 4PM EST  
 (Tue Jan 07 2014 21Z)  
**NWS Mount Holly, NJ**  
 Graphic Created Jan 06 8:35AM EST

Low Temperature Forecast for Wednesday Morning  
 – January 8<sup>th</sup>.

This map does **NOT** include the effect of wind...which will make conditions feel much colder.



Low Temperature (F) Ending Wed Jan 08 2014 9AM EST

(Wed Jan 08 2014 14Z)

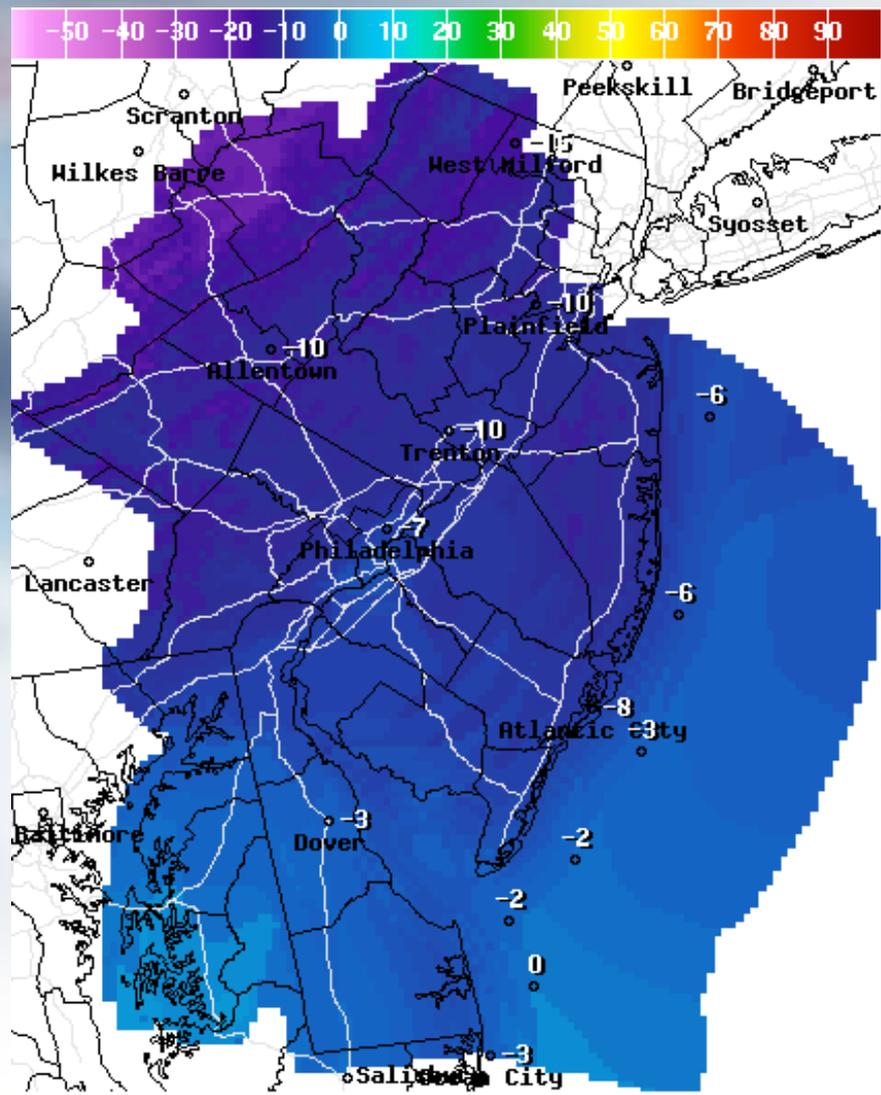
NWS Mount Holly, NJ

Graphic Created Jan 06 6:07AM EST



Wind Chill Temperature Forecast for Wednesday Morning  
 – January 8<sup>th</sup>.

This map **DOES** include the effect of wind...which will make conditions feel much colder.



Apparent Temp. (F) For Wed Jan 08 2014 4AM EST

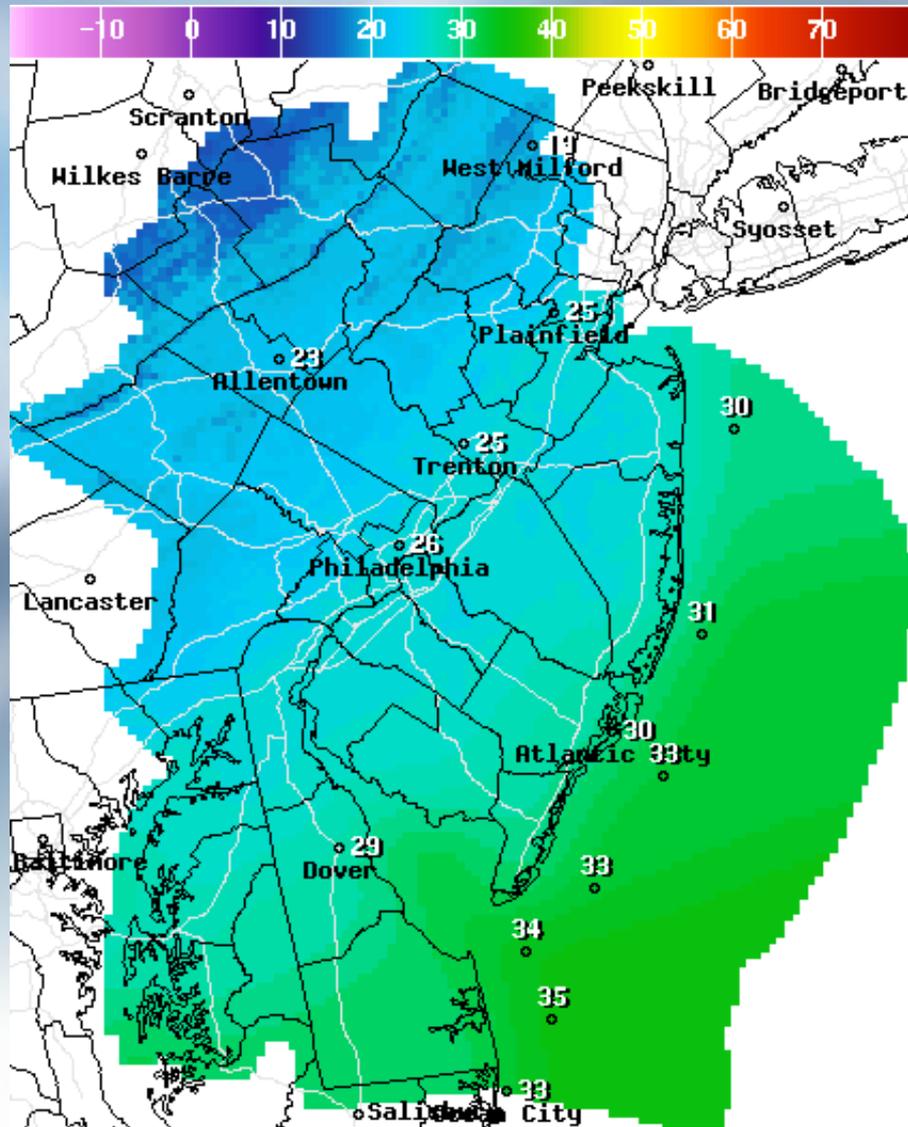
(Wed Jan 08 2014 09Z)

NWS Mount Holly, NJ

Graphic Created Jan 06 8:35AM EST



# High Temperature Forecast for Wednesday – January 8th



High Temperature (F) Ending Wed Jan 08 2014 8PM EST  
(Thu Jan 09 2014 01Z)

NWS Mount Holly, NJ

Graphic Created Jan 06 6:06AM EST



National Weather Service  
Philadelphia/Mt. Holly

# Combined impacts

- Please keep in mind ‘combined impacts’.
- Roadways where temperatures are above freezing will freeze over late this afternoon and evening as temperatures drop.
- Roadway chemicals lose effectiveness as temperature get colder. Many locations will be in the single digits or below by early Tuesday morning.
- Water pipes may freeze & burst with the very cold temperatures expected both Tuesday and Wednesday mornings.
- With strong northwest winds, blowout tides could occur in the Delaware Bay and the tidal sections of the Delaware River. Blowout tide conditions may be approached along the Atlantic Coast too. Low tides on Tuesday through Wednesday morning need to be monitored.



# Questions?

- For the latest information, visit our website at:
  - <http://www.erh.noaa.gov/phi>
- Our latest briefing package is available from our website at:
- [http://www.erh.noaa.gov/phi/briefing/packages/current\\_briefing.pdf](http://www.erh.noaa.gov/phi/briefing/packages/current_briefing.pdf)
- If you wish to be notified when a briefing package is issued, you can follow us on social media where we post the notice.
- You can ‘friend’ us on Facebook at: US National Weather Service Philadelphia/Mount Holly
- You can follow us on Twitter @NWS\_MountHolly
- If you have any questions, please contact us.
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