Wintry Weather Continues

Decision Support Briefing #4
As of: 5 PM Monday, December 16, 2019

What Has Changed?
✓ Winter Storm Warning issued for Poconos and NW NJ
✓ Increased ice amounts north of I-78
✓ Added mention of localized hydrologic concerns through Tuesday
✓ Added mention of snow squall potential Wednesday
## Main Points

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter Storm Warning</td>
<td>Up to 4 inches of snow/sleet followed by up to 0.25 inches of ice will result in treacherous road conditions and localized power outages.</td>
<td>Poconos of Pennsylvania, Sussex and Warren Counties in New Jersey.</td>
<td>Snow tonight through early Tuesday morning followed by freezing rain into Tuesday afternoon.</td>
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<tr>
<td>Winter Weather Advisory</td>
<td>Up to 2 inches of snow/sleet followed by around 0.10 inches of ice will result in hazardous road conditions.</td>
<td>North and west of the I-95 corridor, with the highest amounts north of I-78.</td>
<td>Tonight through the pre-dawn hours on Tuesday.</td>
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<td>Wind</td>
<td>Wind gusts up to 40 mph could lead to minor tree damage especially where ice has accumulated on trees.</td>
<td>Wind: 35-40mph wind gusts likely in most areas but greatest impacts in any areas with ice on trees or power lines.</td>
<td>Late Wednesday morning through Wednesday night.</td>
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<td>Snow Squalls</td>
<td>Snow squalls could produce brief periods of very low visibility and hazardous road conditions.</td>
<td>Highest chance north of I-78 and particularly north of I-80.</td>
<td>Wednesday afternoon and evening.</td>
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Summary of Greatest Impacts

- **Winter Storm Warning: Poconos, NW NJ**
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Winter Weather Advisory: NW of I-95**
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Wind: Any areas with ice on trees**
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Snow Squalls: North of I-78**
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme
Expected Snowfall Accumulation

Expected Snowfall - Official NWS Forecast
Valid: 12/16/2019 07:00 PM - 12/18/2019 07:00 PM EST

Uncertainty in Snowfall Forecast:

- Amounts could be slightly higher or lower depending on precipitation type transition times
- Regardless of exact amounts, hazardous driving conditions are likely with any ice coming on top of snow.
Expected Ice Accumulation

Uncertainty in Ice Forecast:

- Exact amounts are dependent on the timing of the changeover.
- Regardless of exact amounts, hazardous driving conditions will occur in any areas receiving ice.
Weather Type
Valid: 05:00 AM, December 17, 2019

National Weather Service
Mount Holly, NJ
12/16/2019 02:15 PM EST

Follow Us: weather.gov/phi
Expected Maximum Wind Gusts

Highest Wind Gusts
Valid: Wednesday Afternoon and Evening

Notes on Wind Forecast:

- Impacts will mostly be limited to areas with lingering ice on trees and power lines
**Hydrologic Concerns**

- Areas receiving little or no winter weather impacts such as along I-95 may receive up to 1.5 inches of rain
- Urban/poor drainage flooding is possible tonight and Tuesday
- A few main stem rivers may approach flood stage, but currently none are expected to exceed their flood stage

![Liquid Equivalent Precipitation Map](image)

Area of most concern for urban/poor drainage flooding and river rises
A Winter Storm Warning is in effect for portions of northwest New Jersey and the Poconos due to a dangerous combination of snow and ice from tonight through most of the day Tuesday.

A Winter Weather Advisory is in effect north and west of I-95 but southeast of the warning area for a lesser but still hazardous combination of snow and ice tonight into early Tuesday morning.

A prolonged icing event is possible especially for the Lehigh Valley, southern Poconos and northwestern NJ. The Tuesday morning commute will be affected. Bridges and overpasses will be especially slippery.

Urban/poor drainage flooding is possible in some areas tonight and Tuesday.

Wind gusts up to 40 mph are possible Wednesday and Wednesday night, which could lead to minor tree damage and power outages in areas where ice has accumulated on trees and power lines.

Snow squalls are possible on Wednesday afternoon and evening mainly north of I-78. Brief periods of hazardous travel conditions are possible in squalls.
Contact and Next Briefing Information

Next Briefing
When: By 9 AM Tuesday

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

Web: www.weather.gov/phi
Phone (public): (609) 261-6600

Facebook: NWSMountHolly
Twitter: @NWS_MountHolly

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