Winter Storm Today into Tonight

Decision Support Briefing #6
As of: 7:30 AM Dec 2, 2019

What Has Changed?

- Winter Weather Advisory expanded into the Southeast CT coast today into tonight.
- Winter Storm Warning now in effect for Western Union and Western Essex Counties in NJ today into tonight.
- Coastal Flood Statement today for eastern Suffolk County, Southern Queens, Brooklyn, and Staten Island in NY, and Hudson County in NJ.
## Main Points

<table>
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<tr>
<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
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| **Heavy Snow**  | • Snowfall rates of 1 to 2”/hr possible late this morning into this evening.  
• Several downed tree limbs and power outages.  
• Snow/Ice covered roads resulting in dangerous travel.                                                                                   | • Interior portions of the Lower Hud Valley, interior NE NJ, and Interior SW CT                        | • Wintry mix this morning changes to snow this afternoon. Snow continues through tonight.                                                                                                                                                                                                                                           |
| **Snow**        | • Snowfall rates of 1”/hr possible this afternoon and evening.  
• Scattered downed trees limbs and power outages.  
• Difficult travel developing this afternoon into tonight.                                                                                   | • NYC/NJ metro, LI, most of southern CT, southern Westchester.  
• Highest amounts for N and W areas.                                                                                                           | • Rain this morning mixes with snow this afternoon and early evening, changes to snow by midnight. Snow continues through tonight.                                                                                                                                                                                                 |
| **Coastal Impacts** | • Minor coastal flooding during times of high tide.  
• Scattered areas of dune erosion and localized overwashes at ocean beaches.                                                                               | • Vulnerable coastal locales along Southern Nassau and Southwestern Suffolk Counties                 | • Times of high tide late this morning/early afternoon.                                                                                                                                                                                                                                                                          |
### Summary of Greatest Impacts

<table>
<thead>
<tr>
<th>Impacts</th>
<th>None</th>
<th>Limited</th>
<th>Elevated</th>
<th>Significant</th>
<th>Extreme</th>
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**Heavy Snow**: Interior Lower Hud Valley, Interior NE NJ, and Interior SW CT (Winter Storm Warning in Effect through tonight)

**Snow**: NYC/NJ metro, Most of Southern CT, Southern Westchester (Winter Weather Advisory in Effect through tonight)

**Snow**: Eastern LI (tonight)

**Coastal Flood**: Southwestern Suffolk and Southern Nassau (today)
Heavy Snow/Wintry Mix - Winter Storm Warning

Hazards:
- **Interior Lower Hudson Valley, Interior NE NJ and Interior SW CT – Winter Storm Warning In Effect**
  - Sleet and freezing rain early this morning
  - Trace – 1/10” Ice Accum
  - Mixes with, then changes to snow into early this afternoon
    - Additional snowfall: 5-10”
    - Total Snow Accum: 6-12”
  - **Snowfall Rates:** 1-2”/hr possible from late this morning until early this evening.
  - **Temps:** Lower 30s this morning, falling slightly this afternoon. Temps dropping into mid to upper 20s tonight.

Impacts:
- Heavy wet snow and ice accum with wind gusts of 20 to 30 mph will likely result in numerous downed tree limbs and power branches outages.
- Difficult to dangerous travel conditions through early Tue Am.

Uncertainty:
- Uncertainty on placement of heavy precip banding today.
- Snow amounts through tonight could be 1-3” higher or lower than forecast based on heavy snow banding location.
Snow/Wintry Mix – Winter Weather Advisory

Hazards:

- NYC/NJ metro, W LI, Most of Southern CT, and S Westchester – Winter Weather Advisory in Effect
  - Mixed rain and snow changes to snow
  - Additional snow: 2-4”, locally higher.
  - Trace – 1/10” of freezing rain possible for interior CT.
  - Snowfall rates: 1”/hr possible this afternoon into tonight.
  - Temps: Mid to upper 30s this morning, dropping into the lower 30s Mon this afternoon into evening, and remaining around freezing tonight.

- Long Island
  - Rain mixes with, then changes to snow tonight.
    - Snow Accum: 1-3”, locally higher.

Uncertainty:

- Uncertainty on exact timing of changeover back to snow and placement of heavy precip banding.
- Total snow amounts could be 1-3” (higher) lower than forecast based on (earlier) later changeover, and location/placement of heavier precip banding today and tonight.

Impacts:

- Heavy wet snow and winds gust of 25 to 30 mph this afternoon into evening may result in scattered downed tree limbs and power outages.
- Hazardous travel this evening into Tues morning.
Most Likely Snowfall – Official Forecast

Expected Snowfall - Official NWS Forecast
Valid: 12/02/2019 07:00 AM - 12/04/2019 07:00 AM EST

National Weather Service
New York NY
12/02/2019 07:09 AM EST

Follow Us: weather.gov/nyc
Uncertainty in forecast snowfall amounts due to changeover timing and heavy snow banding location.

Snowfall rates of 1-2 inches per hour are possible under the heavy snow bands.

Snowfall amounts would be a few inches higher than forecast if banding develops over these areas.
Ice Accumulation

Hazards:
- Freezing rain and drizzle across Interior Lower Hudson Valley, interior CT, and interior NE NJ this morning.
- Light glaze to 1/10” of ice possible.

Impacts:
- Icing on untreated and elevated surfaces
Coastal Flood Hazards and Impacts:
- Minor coastal flooding during times of high tide today.
- Inundation of 1 to 1 1/2 ft above ground in vulnerable locales along Southern Nassau and Southwestern Suffolk Counties.
- Scattered waterfront and shoreline road closures, and minor inundation of adjacent properties.
- Localized inundation of less than 1 ft for other vulnerable coastal areas under a coastal flood statement.

Shoreline Hazards and Impacts:
- 4-7’ breaking waves along the oceanfront, 4 to 5’ along the twin forks.
- Scattered areas of dune erosion with localized washovers along Atlantic ocean beachfront.
- Beach erosion and wave splashover possible along the twin forks.

Marine Hazards and Impacts
- Gale conditions on all waters tonight through this afternoon.
- Seas 7-10 ft on the ocean, and 3 to 5 ft on Long Island Sound.

Please go to the NWS New York, NY Coastal Flooding Page for the latest coastal flood forecast and the tools to visualize the coastal impacts.
https://www.weather.gov/okx/coastalflood
Event Summary

- Winter Storm Warning in effect through tonight for Interior Lower Hudson Valley, Interior NE NJ and Interior SW CT Sunday morning into Tuesday Morning.
  - Additional 5-10 inches of snow and up to 1/10th inch of ice.

- Winter Weather Advisory in effect through tonight for suburbs NW of NYC with 3-6” of snow and a glaze of ice.

- Winter Weather Advisory in effect through tonight for NYC/NJ metro and surroundings - 2-4” of snow.

- Snowfall amounts could be a few inches higher where heavy snow banding develops today into tonight. Winter weather headlines may be needed to be expanded and/or upgraded today.

- Minor coastal/shoreline impacts likely for Southwestern Suffolk and Southern Nassau Counties during today’s high tide cycle.

- Scattered areas of dune erosion and localized overwashes for Atlantic ocean beachfront during times of high tide today.