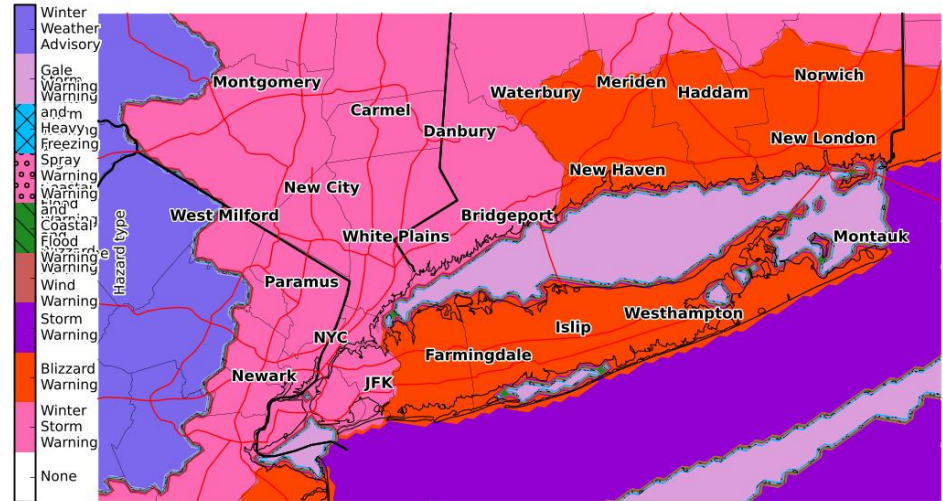


Heavy Snow and Strong Winds Today



Decision Support Briefing #4
As of: 1200 pm January 4, 2018

Watch, Warning and Advisories Through Thursday Evening
Valid: 01/04/2018 02:00 PM - 01/04/2018 06:00 PM EST






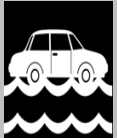
National Weather Service
New York NY
01/04/2018 11:31 AM EST

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What's Changed?

- Winter Storm Warning expanded into Orange and Passaic Counties.
- Upgrade to Storm Warning for the local ocean water out 20 nautical miles.

Main Points

Hazard	Impacts	Location	Timing
Snow 	<ul style="list-style-type: none"> • 8-12" - locally higher. • 1 to 2" / hr snowfall rates • Blizzard conditions for Long Island and portions of Southern Connecticut. • Difficult to impossible travel <hr/> <ul style="list-style-type: none"> • 5-10", with 1" / hr snowfall rates • Significant travel delays likely <hr/> <ul style="list-style-type: none"> • 3-6" 	<p>Most of Long Island, and Southern Connecticut</p> <hr/> <p>NYC, Most of Lower Hud Valley and NE NJ</p> <hr/> <p>Orange and W Passaic Counties</p>	<p>Through this Evening</p> <hr/> <p>Through late afternoon</p> <hr/> <p>Through mid afternoon</p>
Wind 	<ul style="list-style-type: none"> • 30 - 45 MPH wind gusts <hr/> <ul style="list-style-type: none"> • 45 - 55 MPH wind gusts <hr/> <ul style="list-style-type: none"> • Blowing and drifting snow • Potential for power outages 	<p>Entire Tri-State Area</p> <hr/> <p>Long Island / SE CT</p>	<p>Today into Tonight</p>
Cold 	<ul style="list-style-type: none"> • Wind Chills of -10 to -20 F • Frostbite and Hypothermia threat from prolonged exposure 	<p>Entire Tri-State, Lowest wind chills interior areas</p>	<p>Late Tonight into Sat AM</p>
Surge 	<ul style="list-style-type: none"> • Minor to Locally Moderate Coastal Flooding, with locally 1 to 2 ft of inundation • Structural damage possible from ice laden wave action in Peconic and Great South Bays. 	<p>Vulnerable areas along Western LI Sound, Southern and Eastern Bays of Long Island & lower New York Harbor</p>	<p>Around the times of high tide this morning</p>

Summary of Greatest Impacts



Snow: Most of the Tri-State Region



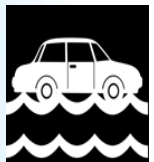
Marine: All nearshore Waters



Strong Winds : Entire Tri-State



Bitter to Dangerous Cold: Entire Tri-State



Storm Surge: W LIS/ NY Harbor / S&E Bays of LI



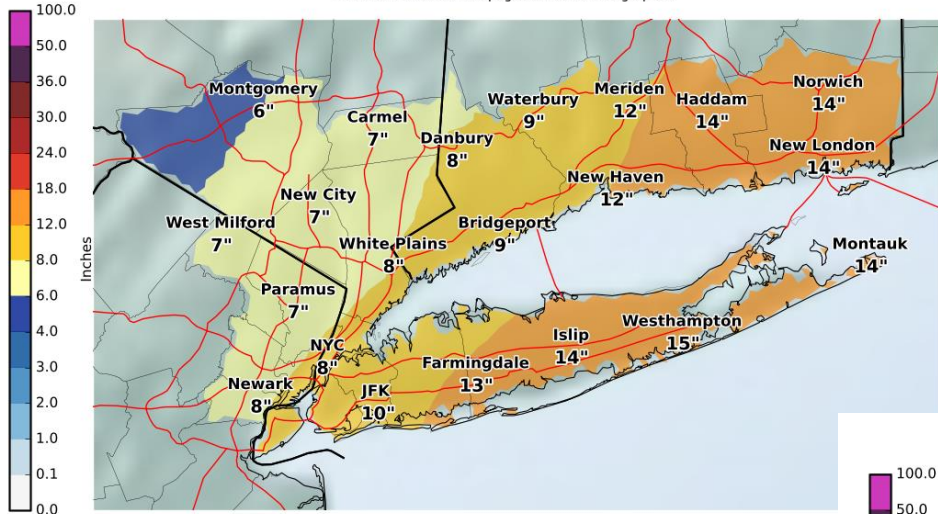
Note:
Hazard impact level definitions can be found on our Graphical Hazardous Weather Outlook <http://www.weather.gov/okx/ehwo>

Probabilistic Snowfall Forecasts

Expected Snowfall - Official NWS Forecast

Valid: 01/04/2018 11:00 AM - 01/05/2018 01:00 AM

*Please visit our winter page for full suite of graphics

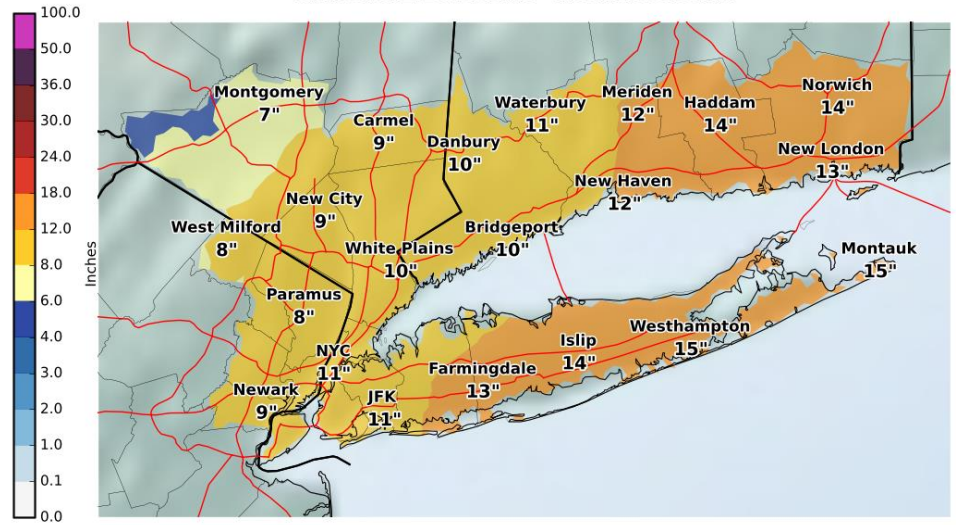


National Weather Service
New York NY
01/04/2018 11:43 AM EST

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High End Amount - 1 in 10 Chance (10%) Of Higher Snowfall

Valid: 01/04/2018 11:00 AM - 01/05/2018 01:00 AM



National Weather Service
New York NY
01/04/2018 11:06 AM EST

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Strong Winds



Strong Wind Threat

- ✓ Gusts 30 to 45 mph for much of the Region
- ✓ Gusts 45 to 55 mph for Long Island and SE Connecticut

Timing and Location

- ✓ Into Tonight

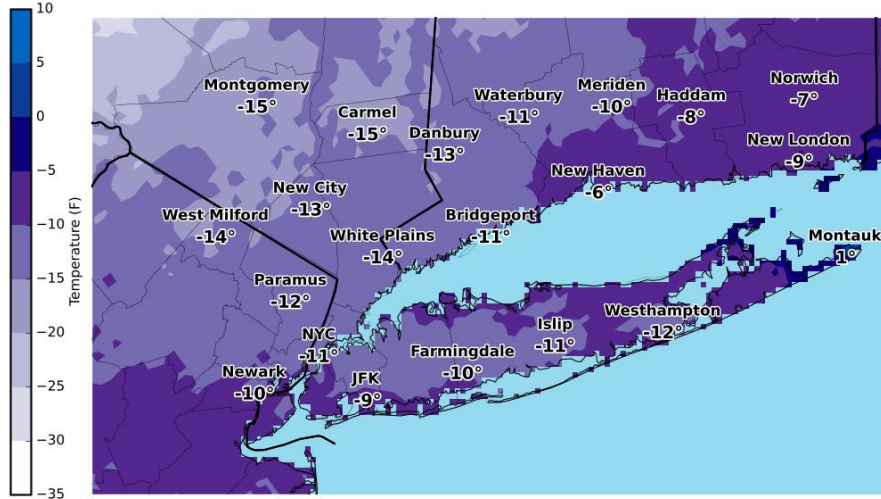
Impacts

- ✓ Reduced visibility from blowing and drifting snow
- ✓ Potential for downed tree limbs, power lines and scattered power outages

Dangerous Cold

Fri Morn

Wind Chills
Valid: Friday, January 05, 2018 at 09 AM EST

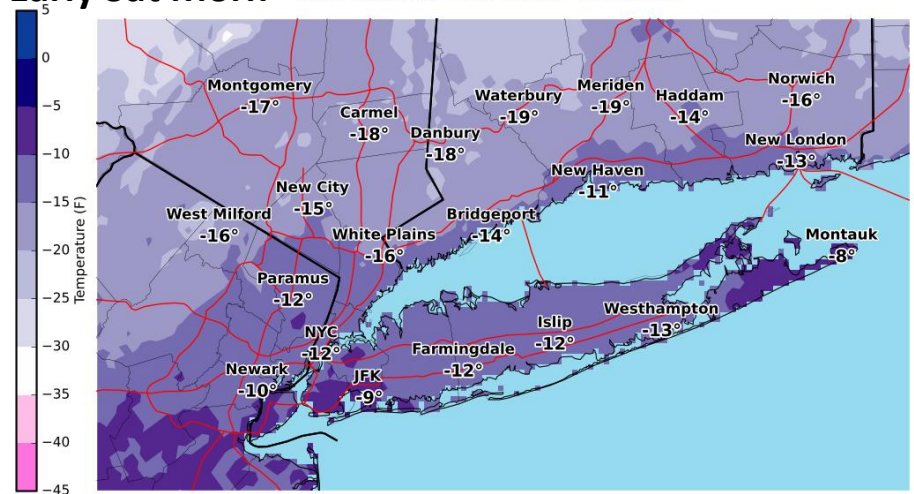


National Weather Service
New York NY
01/04/2018 06:35 AM EST

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Early Sat Morn

Wind Chills
Valid: Saturday, January 06, 2018 at 07 AM EST



National Weather Service
New York NY
01/04/2018 06:41 AM EST

Follow Us: [weather.gov/nyc](https://www.facebook.com/weather.gov/nyc)

Wind Chills

- ✓ -5 to -15 F Late Tonight into Friday Morning
- ✓ -10 to -20 F Late Friday Night into Saturday Morning

Impacts

- ✓ Frostbite and Hypothermia threat from prolonged exposure



Forecast Uncertainties and Scenarios

- ✓ High confidence on a major snow and wind storm affecting the region today
- ✓ Western extent of heavy snow banding
 - ✓ Expected to stall near NYC/NJ metro and Hudson River, but could shift east to west by 10 to 20 miles
- ✓ Location and duration of heavy snow banding across LI and CT
 - ✓ Snowfall could locally be a few inches higher or lower than forecast





Event Summary

- ✓ 8 to 12 inches of snow expected for Long Island, and southern Connecticut, with potential for locally higher amounts.
 - ✓ Snowfall rates of 1 to 2 "/ hr
 - ✓ Blizzard Conditions expected over Suffolk County
- ✓ 5 to 10 inches of snow expected for NYC/NJ metro, and most of the Lower Hudson Valley and Northeastern New Jersey .
- ✓ 30 to 55 mph wind gusts this morning into tonight may down some tree limbs and powerlines, as well as cause blowing and drifting of snow. Strongest winds across Long Island.
- ✓ Gale to Storm Conditions on the nearshore waters today. Gales continue through Friday Night
- ✓ Dangerously cold wind chills likely early Friday Morning and early Saturday morning

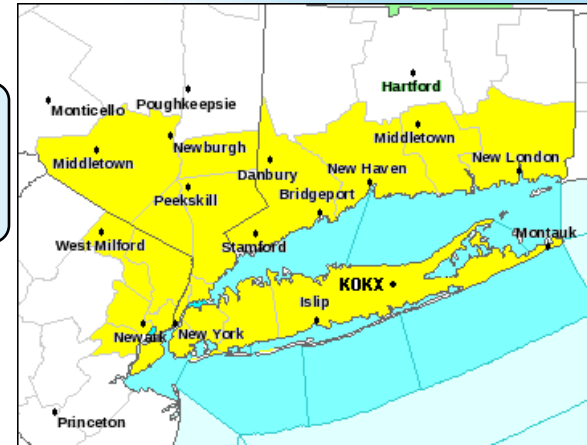


Contact and Next Briefing Information



This is the last briefing for this storm

Briefing Webpage:
http://www.weather.gov/okx/emnew_winter



Web:
<http://www.weather.gov/okx/>



Phone (public):
631-924-0517



E-mail:
okx.operations@noaa.gov



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Disclaimer: *The information contained within this briefing is time-sensitive, do not use after 4pm 1/4 2018*