



NEW YORK METRO WEATHER

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5 Day Hazardous Weather Briefing New York City, NY

| | Tue 1/21 | Wed 1/22 | Thu 1/23 | Fri 1/24 | Sat 1/25 |
|-------------------|-----------|----------|----------|----------|----------|
| Snow 4" | High | High | No Risk | See Text | No Risk |
| Snow 8" | Moderate | Moderate | No Risk | No Risk | No Risk |
| Ice 0.10" | No Risk | No Risk | No Risk | No Risk | No Risk |
| Haz. Roads | High (PM) | High | No Risk | See Text | No Risk |
| Winds | Slight | Slight | No Risk | No Risk | No Risk |
| Heavy Rain | No Risk | No Risk | No Risk | No Risk | No Risk |
| Flooding | No Risk | No Risk | No Risk | No Risk | No Risk |
| Wind Chill | Slight | Slight | Slight | Slight | No Risk |
| Severe Wx | No Risk | No Risk | No Risk | No Risk | No Risk |
| Fog | No Risk | No Risk | No Risk | No Risk | No Risk |

Day 1 (Tue 1/21): A potent mid-level disturbance will be entering the country and amplifying due to strong upstream ridging. Models have trended stronger with this piece of energy, allowing for an increase in positive vorticity advection along the coast, as well as a much sharper trough which goes negatively tilted. A piece of the Polar Vortex retrograding also supports a brief "tug" westward, as well. Arctic airmass also supports 15-20:1 ratios, and if model guidance is correct, general 6-10" snowfall is supported throughout the area. Some variation is possible with lower amounts north and west, higher south and east. Upgrade to high risk for 4" and moderate for 8" in the NYC Metro.

The morning commute should not be an issue, but the evening commute could be slick, as snow could start around 10:00am and end sometime early Wednesday morning, with the heaviest potentially between 4:00pm and 10:00pm -- perhaps even longer. Winds will not be severe, but strong winds (gusts to 30mph possible) combined with an Arctic airmass may drop wind chills to the single digits to around zero at times.

Day 2 (Wed 1/22): Snow will linger into the early-morning hours and create potentially bad roads to start the day. The back side of the storm system will allow for strong cold air advection, originating from a piece of the Polar Vortex, on Tuesday night and Wednesday. This will allow temperatures to drop into the upper single digits and low teens early Wednesday morning, and some gusty winds, especially earlier in the overnight (gusts to

30mph) could drop Wind Chills near -10F, but we generally expect them to hold between -5F and 0F. Snowfall totals of 6-10" support continuation of Moderate and High risks for snow into the early period of Wednesday.

Day 4 (Fri 1/24): Plenty of uncertainty exists, but with the Polar Vortex still sitting in SE Canada, disturbances will try and drop down from it and gather some moisture and provide snow. Some data has indicated the chance for a bit more moisture on Friday, but lots of data as of now is out to sea. That being said, northern stream shortwaves have tended to trend northwest and stronger this winter season, so nothing can be ruled out.

Forecast Issued: 0200 UTC January 21ST, 2014 **Forecaster:** Homenuk