

# Winter Storm Late Today into Sunday

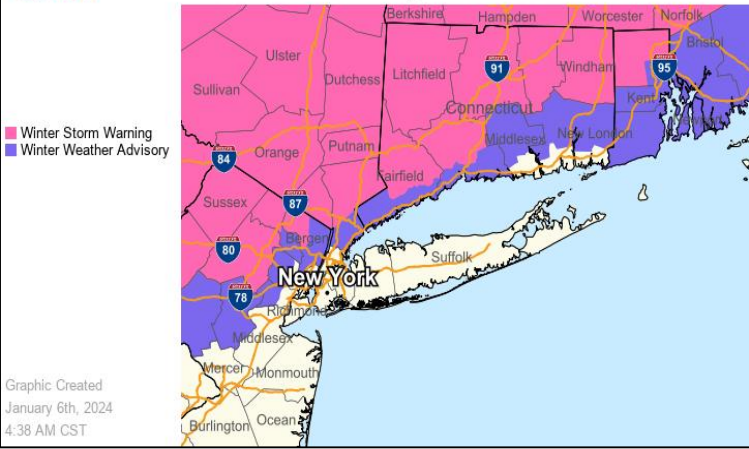


## OVERVIEW

Low pressure will track south of Long Island tonight, then east of Cape Cod on Sunday.



## Winter Watches Warnings and Advisories



HAZARDS & IMPACTS

### Wintry Precipitation:

**Interior portions of NE NJ, LoHud Valley, and SW CT (Winter Storm Warning)**

- **Total Snowfall:** 4 to 8" likely, 10-12" reasonable worst case, highest for interior LoHud. Wet snow type.
- **Snowfall Rates:** 1"/hr expected 5pm tonight to 2am Sun
- **Temperatures:** Upper 20s/Lower 30s
- **Winds:** North to Northeast 10 to 15 mph with gusts 25 mph.
- **Impacts:** Snow covered roads late today into Sun. Scattered downed tree limbs and wires likely.
- **Timing:** Snow developing late this aft (heavy at times) through 2am, lightening in intensity after 2am. Light snow ending Sunday afternoon.

**Just North of I-95 in LoHud, NE NJ, SW CT, interior SE CT (Winter Wx Advisory)**

- **Total Snowfall:** 2 to 6" likely, up to 7" reasonable worst case. Wet snow type.
- **Snowfall Rates:** 1"/hr likely 5pm tonight to midnight-2am Sun.
- **Temperatures:** Lower 30s
- **Winds:** North to Northeast 15 to 20 mph with gusts 25 to 30 mph.
- **Impacts:** Snow covered roads late today into Sun. Scattered downed tree limbs and wires possible.
- **Timing:** Snow developing late this aft (heavy at times), snow will lighten in intensity after midnight-2am, and possibly mix with rain. Transition to light snow early Sun AM from NW to SE, before ending Sunday afternoon. Additional light snow accumulation possible.

**NYC /NJ metro, Long Island, SE coastal CT**

- **Total Snowfall:** 1 to 2", 2 to 4" reasonable worst case. Highest amounts across NW areas. Wet snow type.
- **Snowfall Rates:** ½ to 1"/hr possible 5pm to 10pm tonight.
- **Temperatures:** Lower to mid 30s
- **Total Rainfall/Liquid Equiv:** Around 1". Localized minor urban poor drainage flooding.
- **Winds:** Northeast 20 to 25 mph with gusts 35 to 45 mph, highest east.
- **Impacts:** Hazardous wintry travel likely this eve, possible Sun afternoon.
- **Timing:** Snow developing late this aft (could be briefly heavy), likely transitioning to rain by 10pm and becoming lighter in intensity. Transition to light snow Sun AM from NW to SE, before ending Sunday afternoon. Spotty light snow accumulation possible.

FORECAST CHALLENGES

- Timing of changeover from snow to rain along the coast this evening.
- Timing of the changeover back to snow on Sunday.
- Light additional snow accumulations possible on Sunday down to the coast.

NWS ALERTS

- **Winter Storm Warning for Interior portions of NE NJ, LoHud, and SW CT late Sat thru Sun**
- **Winter Weather Advisory along I-95 in LoHud, NE NJ, SW CT, interior SE CT**



## Marine / Coastal Hazards



### HAZARDS & IMPACTS

**Coastal Flood Impacts:** Coastal Flood Advisory in effect for Sun AM high tide

- **Along southern and eastern bays of LI and along LI Sound** -Widespread minor coastal flooding (inundation above ground up to 1 ½ ft) for vulnerable coastal communities during the Sunday morning high tide.
- **NY/NJ Harbor, Jamaica Bay, and Long Island Sound portions of NYC** - Localized minor coastal flooding (inundation above ground up to 1 ft) for vulnerable coastal communities during the Sunday morning high tide

**Shoreline Impacts:**

- 4 to 7 ft breaking surf tonight into Sunday.
- Beach escarpment likely tonight into Sunday.
- Isolated dune erosion during Sun AM high tides. Overwashes are not expected.

**Marine:**

- Gale conditions on all waters tonight into Sunday

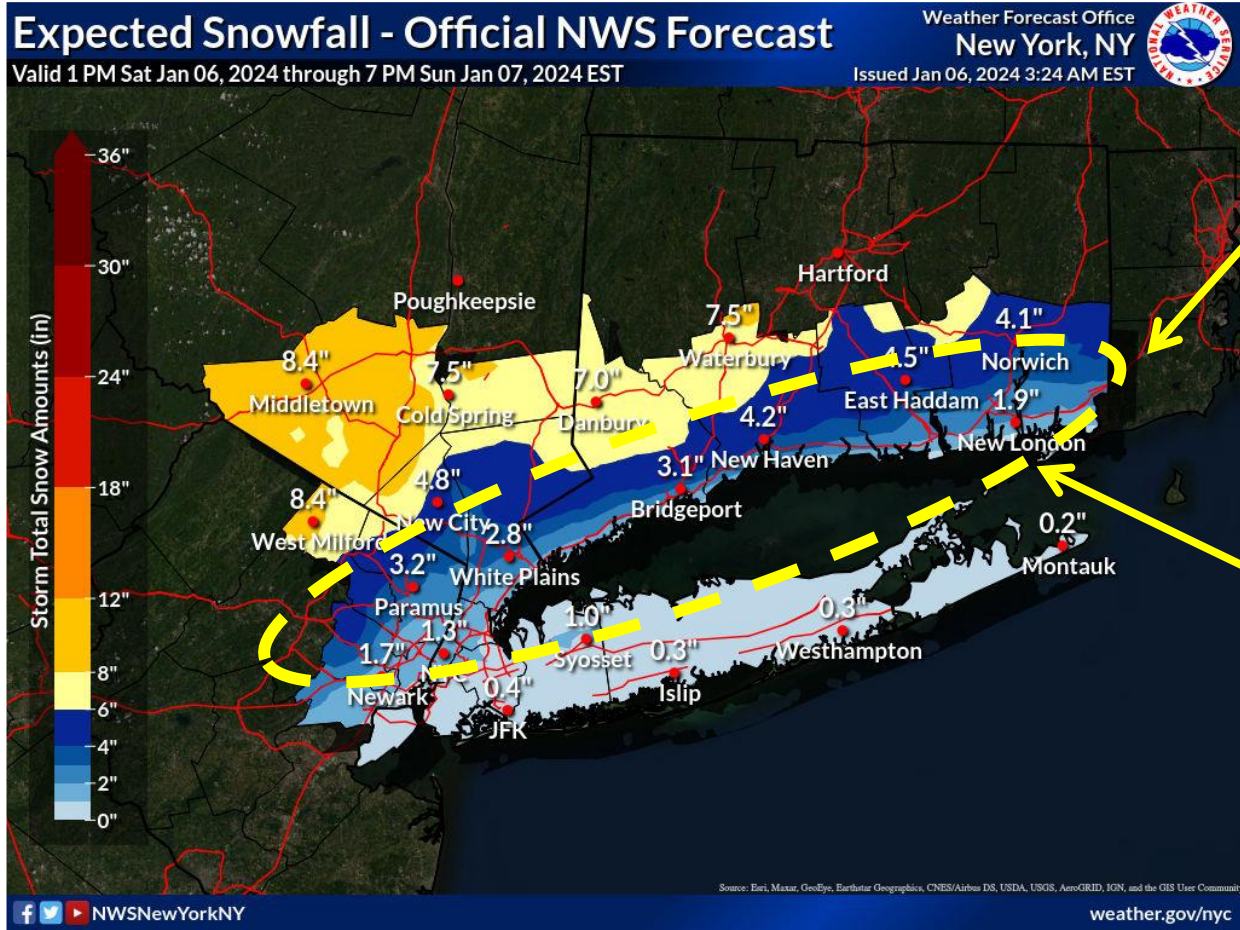
### NWS ALERTS

- **Coastal Flood Advisories** in effect for much of the coast for Sunday morning high tide with rest of coastlines having a **Coastal Flood Statement**

# Rain / Snow Line Challenge



New York, NY  
WEATHER FORECAST OFFICE



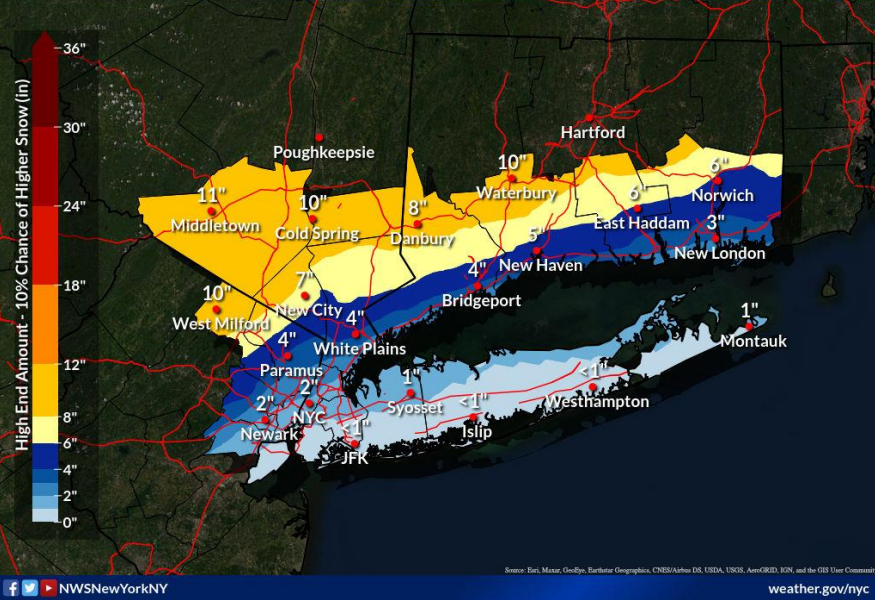
Greatest uncertainty in forecast snowfall amounts, dependent on exact intensity of snowfall at onset and timing of changeover to rain this evening/night.

Snow amounts could be 1 to 2" higher/lower than forecast in this area if transition occurs later/earlier or snowfall intensity is heavier/lighter than forecast this eve/night. The fine details of this forecast will be refined as the event nears, but may not be evident until the storm is underway.

# Probabilistic NWS New York Snowfall Forecasts

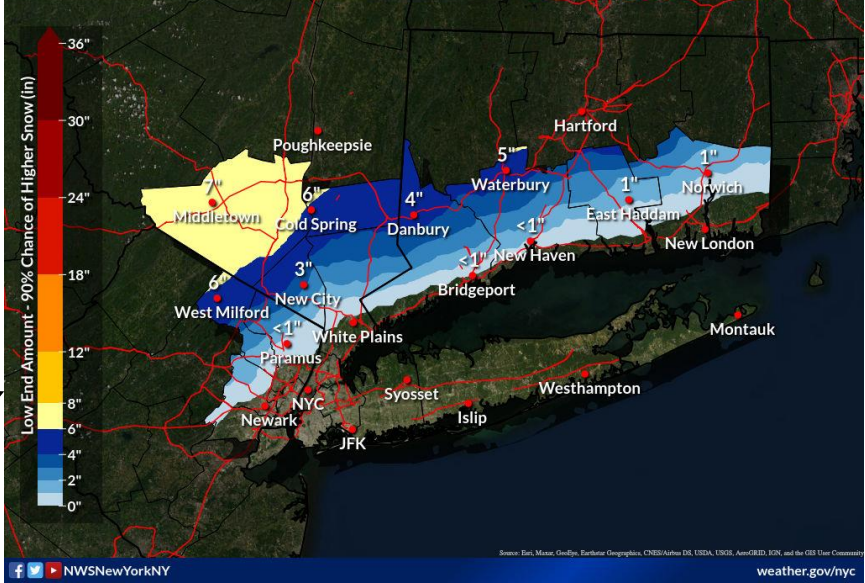


**High End Amount - 1 in 10 Chance (10%) Of Higher Snowfall**  
 Weather Forecast Office New York, NY  
 Valid 1 PM Sat Jan 06, 2024 through 7 PM Sun Jan 07, 2024 EST  
 Issued Jan 06, 2024 3:24 AM EST



Across the interior, snow amounts could occur at a location based on heavy snow banding location, duration and/or higher snowfall ratios.  
 Along the city/coast, snow amounts could be this high if transition occurs later and/or snowfall intensity is heavier than forecast this eve/night.

**Low End Amount - 9 in 10 Chance (90%) Of Higher Snowfall**  
 Weather Forecast Office New York, NY  
 Valid 1 PM Sat Jan 06, 2024 through 7 PM Sun Jan 07, 2024 EST  
 Issued Jan 06, 2024 3:24 AM EST

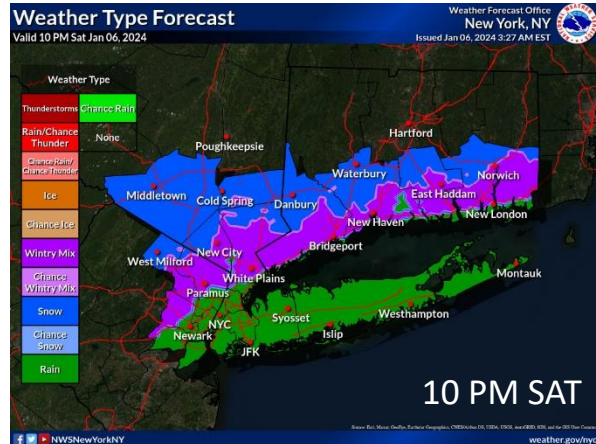
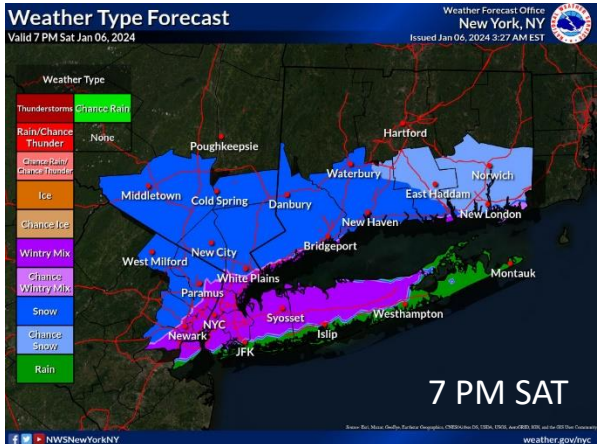
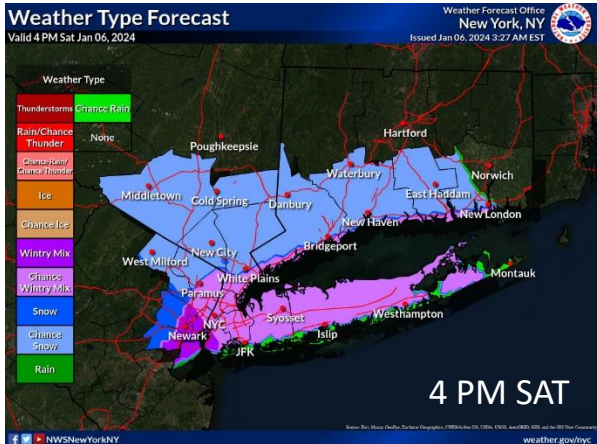


Expect at least this much snow

# Changeover Timing (Saturday)



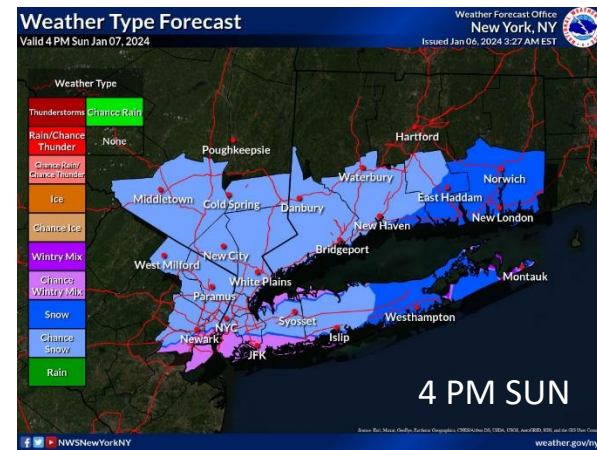
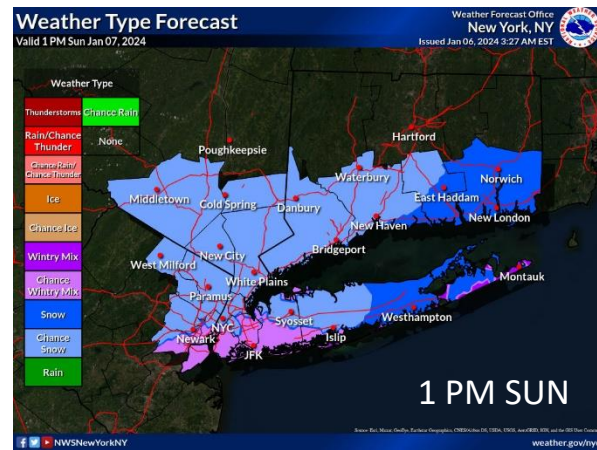
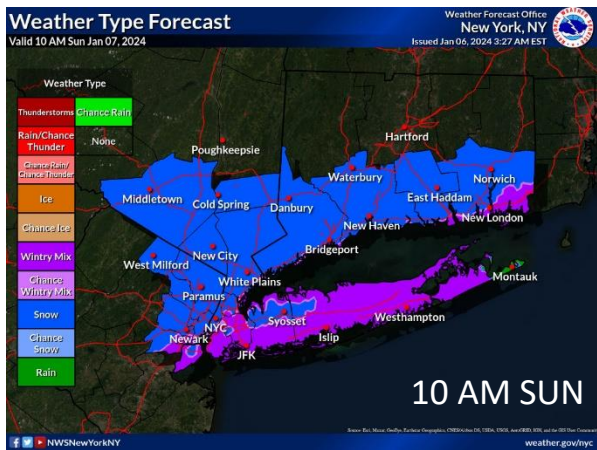
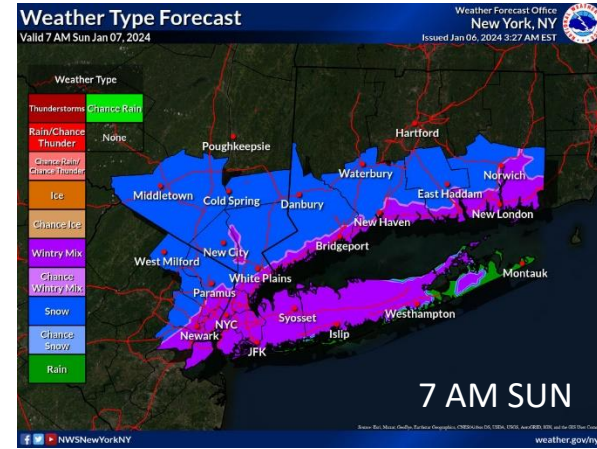
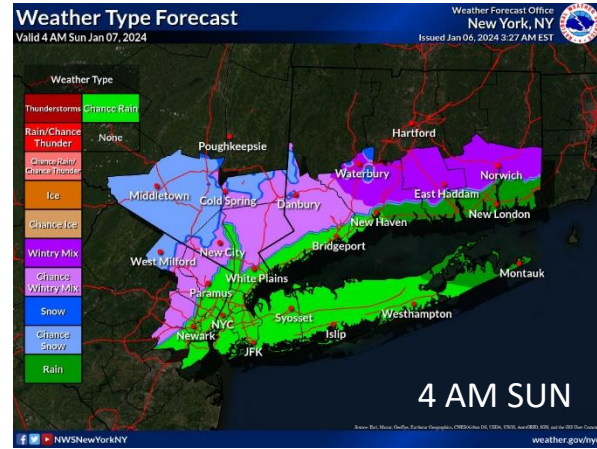
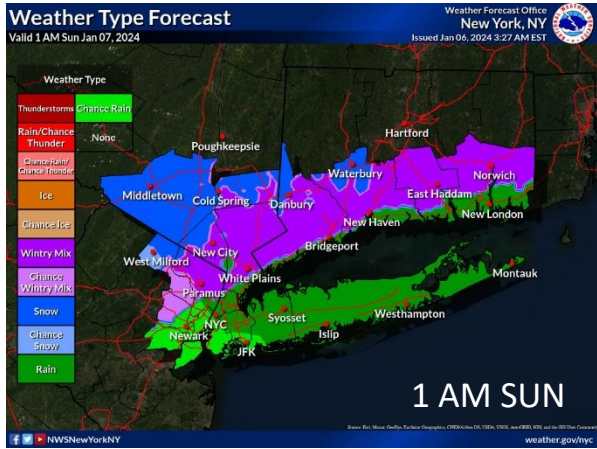
New York, NY  
WEATHER FORECAST OFFICE



# Changeover Timing (Sunday)



New York, NY  
WEATHER FORECAST OFFICE



ISSUED: 1/6/2024 5:45 AM

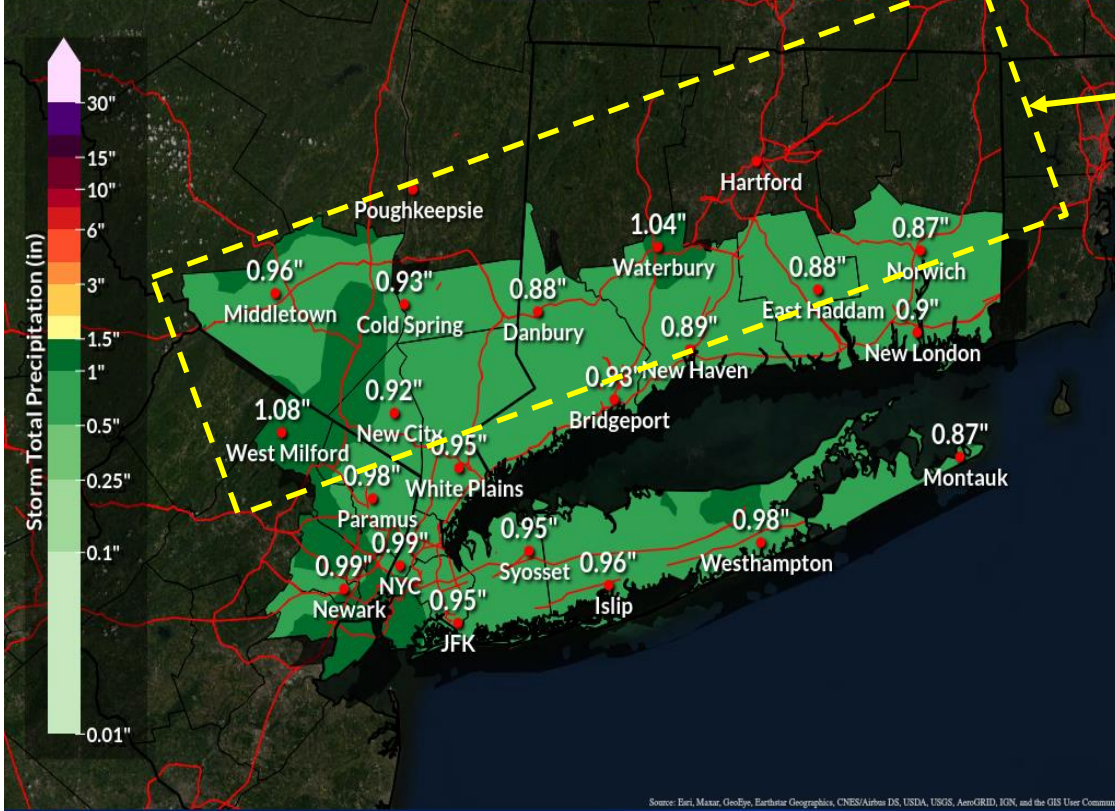
www.weather.gov/nyc

# Most Likely Rainfall/Liquid Equivalent – Official Forecast



New York, NY  
WEATHER FORECAST OFFICE

Expected Rainfall/Liquid Equivalent - Official NWS Forecast  
Weather Forecast Office  
New York, NY  
Valid Sat 1:00PM through Sun 7:00PM EST  
Issued Jan 06, 2024 4:05 AM EST



This will mainly be liquid equivalent in form of snow.

# Maximum Wind Gust Forecast

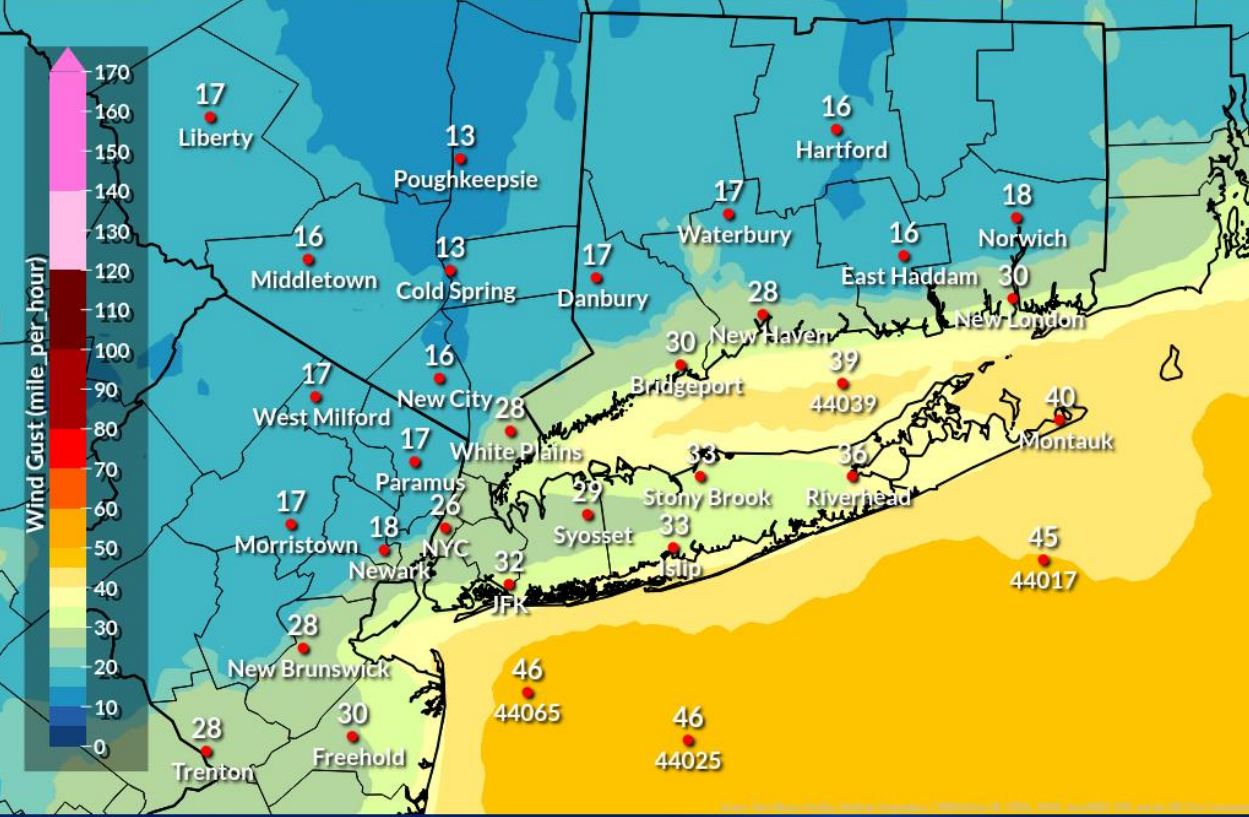


## Saturday's Maximum Wind Gusts

Weather Forecast Office  
New York, NY

Valid Sat Jan 06 7:00AM through Sun Jan 07 7:00AM EST

Issued Jan 06, 2024 4:02 AM EST





# Maximum Wind Gust Forecast

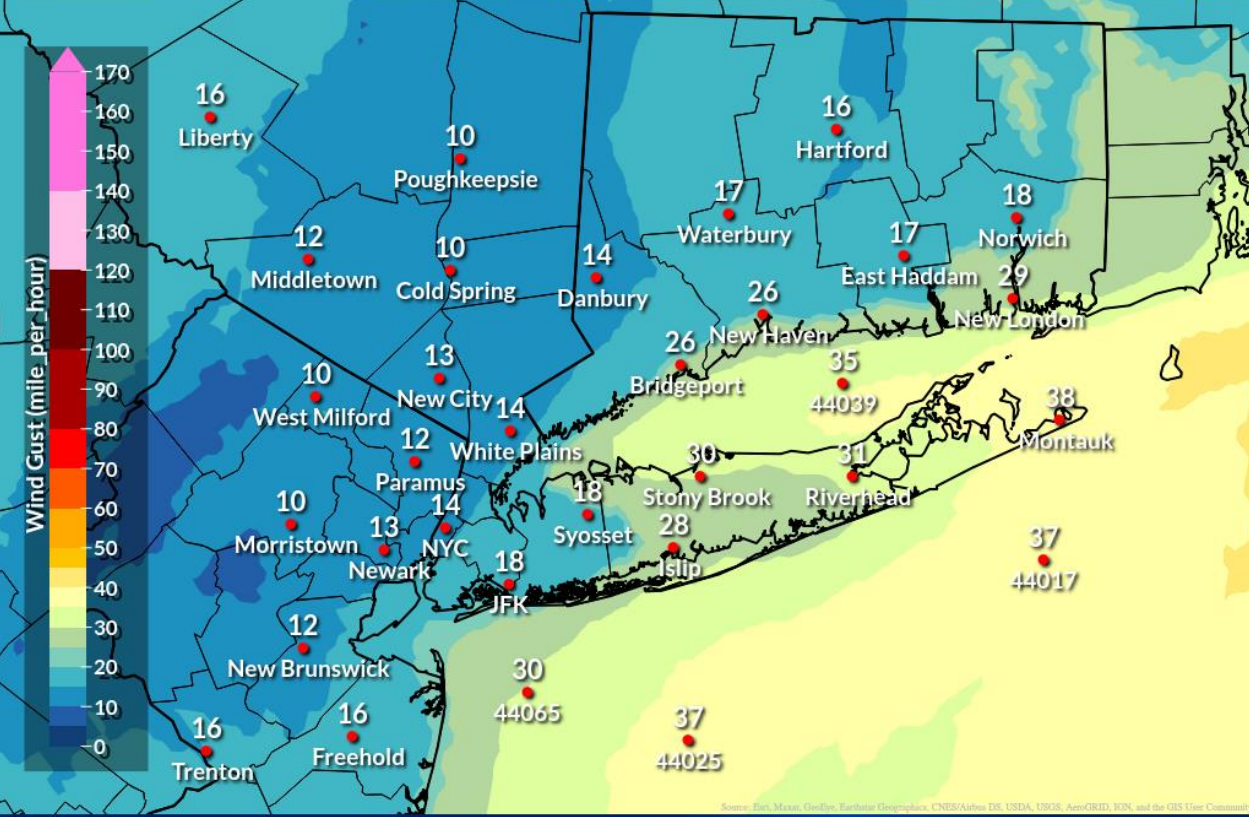


## Sunday's Maximum Wind Gusts

Weather Forecast Office  
New York, NY

Valid Sun Jan 07 7:00AM through Mon Jan 08 7:00AM EST

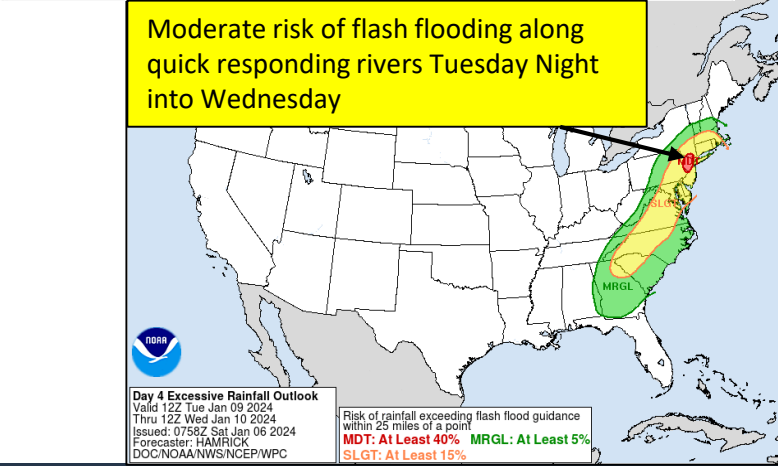
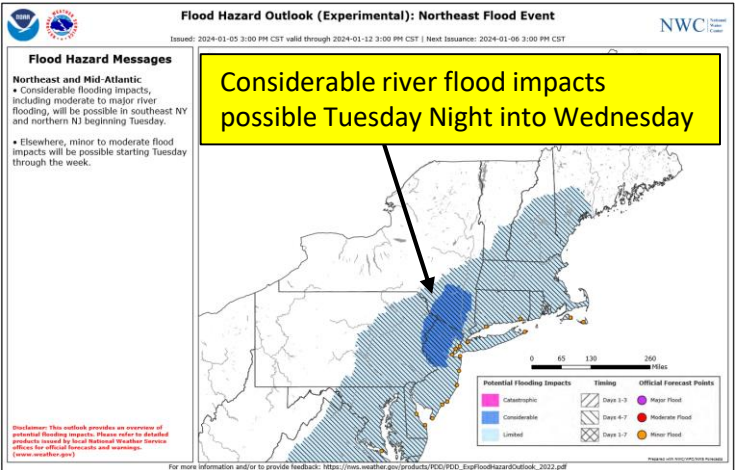
Issued Jan 06, 2024 4:00 AM EST



NWSNewYorkNY

[weather.gov/nyc](https://www.weather.gov/nyc)

# Major Storm System late Tuesday into Wednesday



POTENTIAL HAZARDS & IMPACTS

FORECAST CHALLENGES

## Flooding Rainfall Potential:

- **Total Rainfall Potential:** 2-4"+ of rainfall Tuesday Night into Wednesday
- **Significant River Flooding Potential:**
  - **Widespread minor to moderate river flooding is likely** Tuesday Night into Wednesday, particularly for the quick responding NE NJ and Lower Hud River basins. **Potential for major flooding along a few to several rivers if high end of rainfall forecasts realized.**
  - Significant rises expected along large stem rivers with minor to moderate flood potential.
- **Widespread urban and poor drainage flooding potential, with localized flash flood potential.**
- **Compounding flood factors:**
  - Streamflows and soil moisture are running higher than normal.
  - Heavy rainfall and runoff coinciding with high tide Wed AM.
  - 1/2" of snow water equivalent potential across interior.

## Strong to Damaging Wind Potential:

- Moderate to high probability for 40-50 mph wind gusts across much of the region.
- **Low to moderate probability for 60+ mph wind gusts along the coast.**

## Moderate to locally Major Coastal Flooding Potential

- Widespread moderate flooding (inundation 2 to 3 ft above ground) potential with the Wednesday morning high tide.
- **Locally major flooding (inundation 3+ ft above ground level) possible, particularly along southern bays of Long Island.**

## Major Shoreline Impact Potential:

- Around 15 to 20 ft breaking surf.
- **Widespread dune erosion with scattered overwashes. Isolated breaches possible where dunes have been compromised by earlier storms.**

## Marine:

- Gale conditions and 20 ft ocean seas likely Tuesday into Wednesday. **Storm conditions possible on the ocean late Tuesday into Wednesday.**

This event is still 3 to 4 days away. Details will be refined late in the weekend into early next week.