



# Major Winter Storm Tonight into Tuesday

February 12, 2024  
5:25 PM

- Overview:** Deepening low pressure approaches from the southwest tonight and passes south and east of Long Island on Tuesday, bringing moderate to heavy snow (start as rain for city/coast), gusty winds, and minor to locally moderate coastal flooding to the area late tonight into Tuesday afternoon.
- What's Changed?** Winter storm warnings are now in effect for the remainder of the area. Coastal flood headlines are now in effect for the entire coast for Tue high tides.

HAZARDS & IMPACTS

- Heavy Snowfall- Winter Storm Warning for entire area late Tonight into Tuesday**  
**Interior NE NJ, interior Lower Hudson Valley, interior SW CT: Heavy, wet snow late tonight into early Tue aft.**
- Total Snowfall:** 6 to 10" likely, with reasonable worst case of 12 to 15" late tonight into midday Tue.
    - Snowfall Rates:** 1-2+"/hr possible btwn 5am and noon (2 hrs later for eastern areas)
    - Temps:** Upper 20s during snowfall, lower 30s Tue aft, lower/mid 20s Tue Night.
    - Winds:** NE-N winds 15 mph with gusts 25 mph Tue Am/PM
    - Impacts:** ¼ to ½ mile vsby, snow covered roads and difficult travel late tonight through Tue aft. Scattered downed tree branches w/ isolated power outages from snow load.
- Portions of NE NJ, Southern Westchester, much of S CT: Rain transition to heavy, wet snow early Tue AM into early Tue aft.**
- Total Snowfall:** 8 to 11" likely, with reasonable worst case of 12 to 15" late tonight into into mid aft Tue.
    - Snowfall Rates:** 1-2+"/hr possible btwn 5am and noon (2 hrs later for eastern areas)
    - Temps:** Mid 30s tonight, lower 30s during snowfall and Tue aft, upper 20s Tue Night.
    - Winds:** NE-N winds 15-20 mph with gusts 25 to 30 mph Tue Am/PM
    - Impacts:** ¼ to ½ mile vsby, snow covered roads and difficult travel late tonight through Tue aft. Scattered downed tree branches w/ isolated power outages from snow load.
- NYC metro and Long Island: Rain transition to Heavy, wet snow around daybreak Tue into early Tue aft.**
- Total Snowfall:** 6 to 10" likely, with reasonable worst case of 10-12", early Tue AM into mid aft Tue.
    - Snowfall Rates:** 1-2+"/hr possible btwn 5am and noon (2 hrs later for eastern areas)
    - Temps:** Upper 30s tonight, around 32F during snowfall, mid 30s Tue aft/eve, lower 30s Tue night.
    - Winds:** NE-N winds 20-25 mph with gusts 35 to 40 mph Tue Am/PM, highest east.
    - Impacts:** ¼ to ½ mile vsby, snow covered roads and difficult travel Tue AM into Tue aft. Scattered downed tree branches w/ isolated power outages from snow load.

NWS ALERTS

- Winter Storm Warning** for the entire area, 1am to 6pm Tue for interior, and 4am to 6pm Tue for city/coast.
- Coastal Flood Warnings and Advisories** for the entire coast with the Tue high tides
- Gale Warning in effect** for the ocean waters on Tuesday

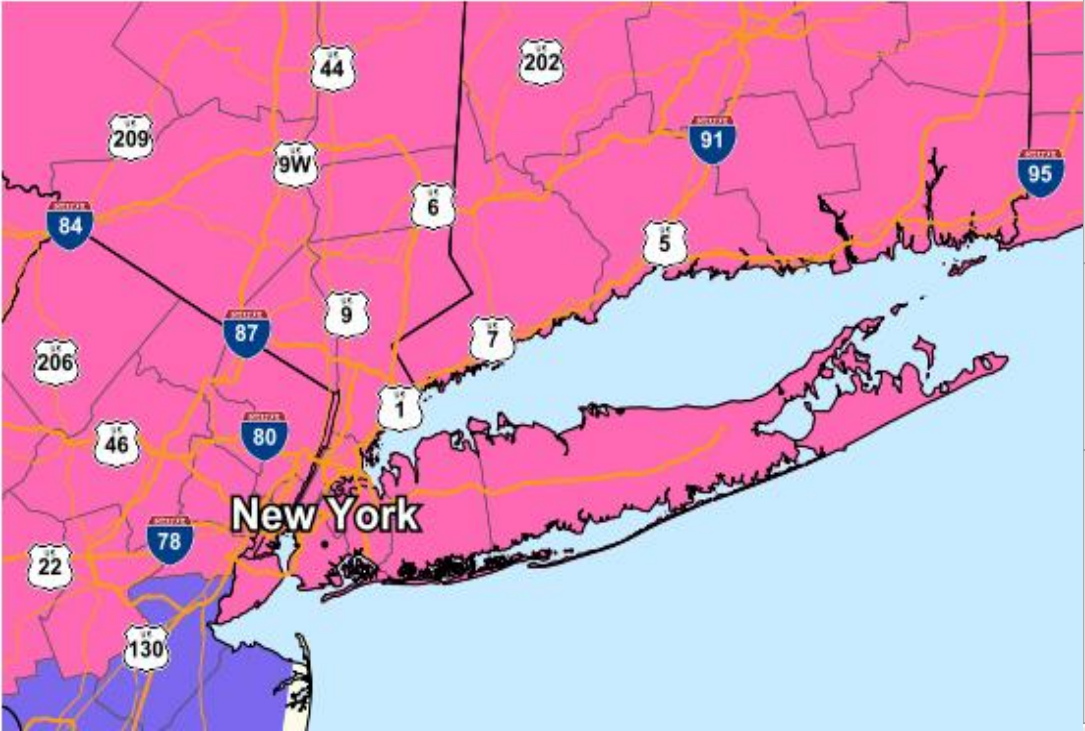
FORECAST CHALLENGES

- A continued southward trend of model guidance would require farther reduction in snowfall amounts across interior.
- Timing of changeover from rain to heavy snow for the city/coast will be critical to snowfall amounts. An hour earlier (or later) transition than forecast, could be the difference between 1 to 2" more (or less) of total snow accumulation.
- Location and duration of heavy snow banding (2"/hr rates) will be critical to local snowfall amounts. This will be refined as the event unfolds



## Winter Watches Warnings and Advisories

- Winter Storm Warning
- Winter Weather Advisory



Graphic Created  
February 12th, 2024  
3:23 PM CST



National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

This will be the last briefing for this event unless significant forecast changes warrant an update

National Weather Service  
New York, NY





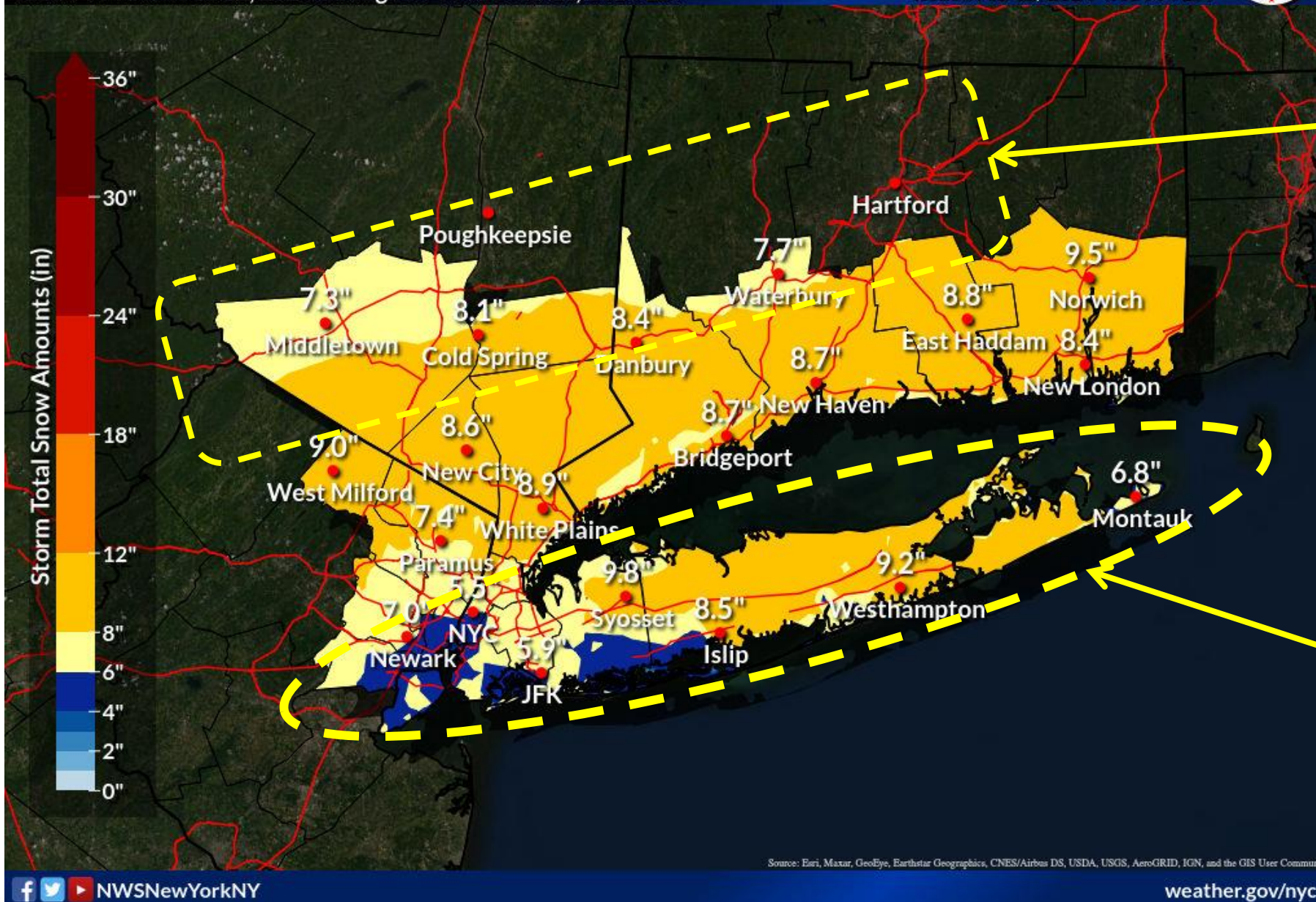
# Most Likely Snowfall - Official Forecast

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## Expected Snowfall - Official NWS Forecast

Valid 7 PM Mon Feb 12, 2024 through 7 PM Tue Feb 13, 2024 EST

Weather Forecast Office  
New York, NY  
Issued Feb 12, 2024 4:05 PM EST



Snowfall amounts in this area have quite a bit of spread. It will depend on how close the northern cutoff of accumulating snowfall gets versus location/duration of heavy snow banding.

Snowfall amounts in this area have quite a bit of spread. Snowfall amounts in this area will depend on timing of changeover from rain to heavy snow, and location/duration of heavy snow banding. A 1 hr earlier (later) transition timing could be the difference between 1 to 2" more (less) of snowfall.



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Atmospheric Administration  
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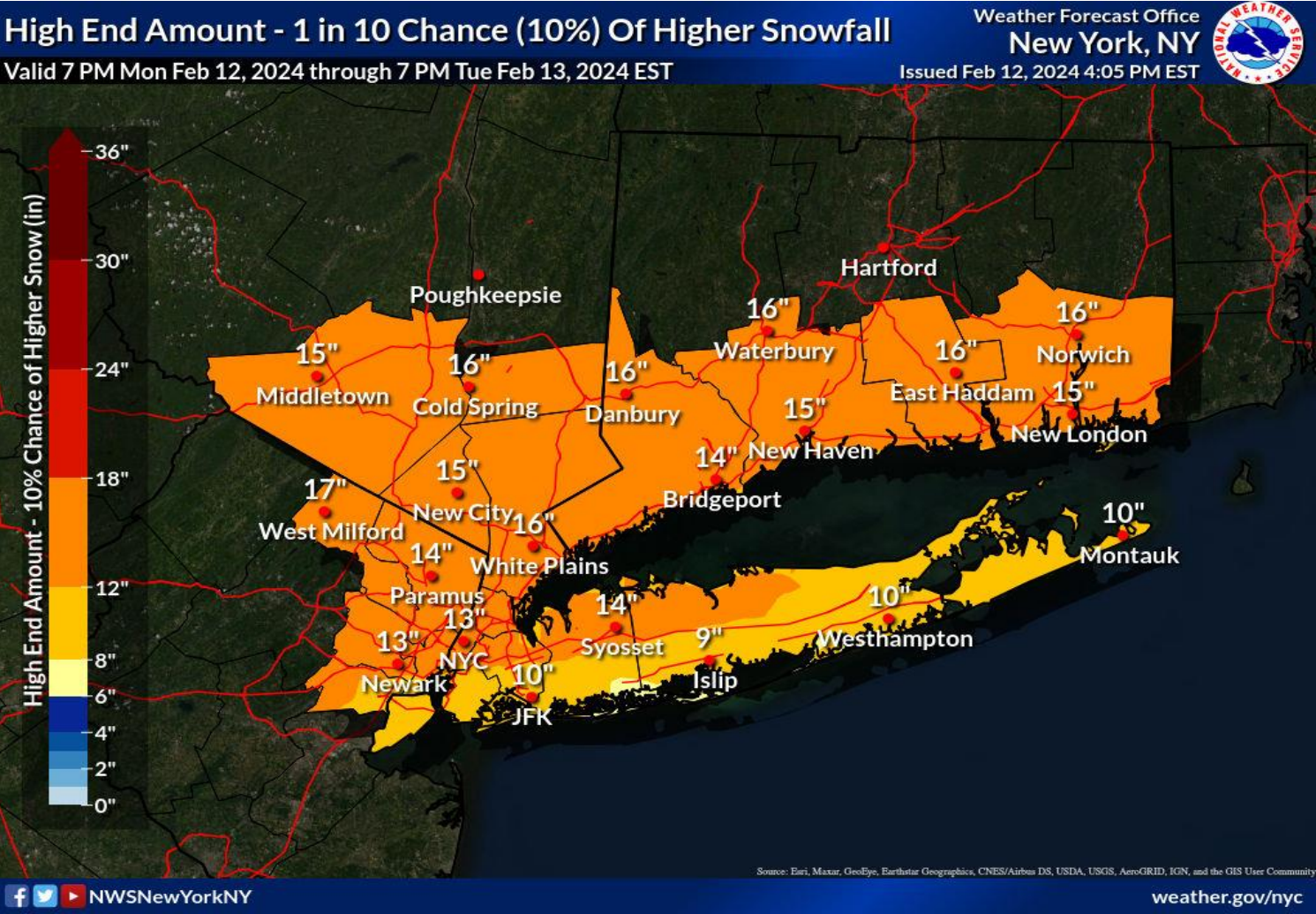
National Weather Service  
New York, NY



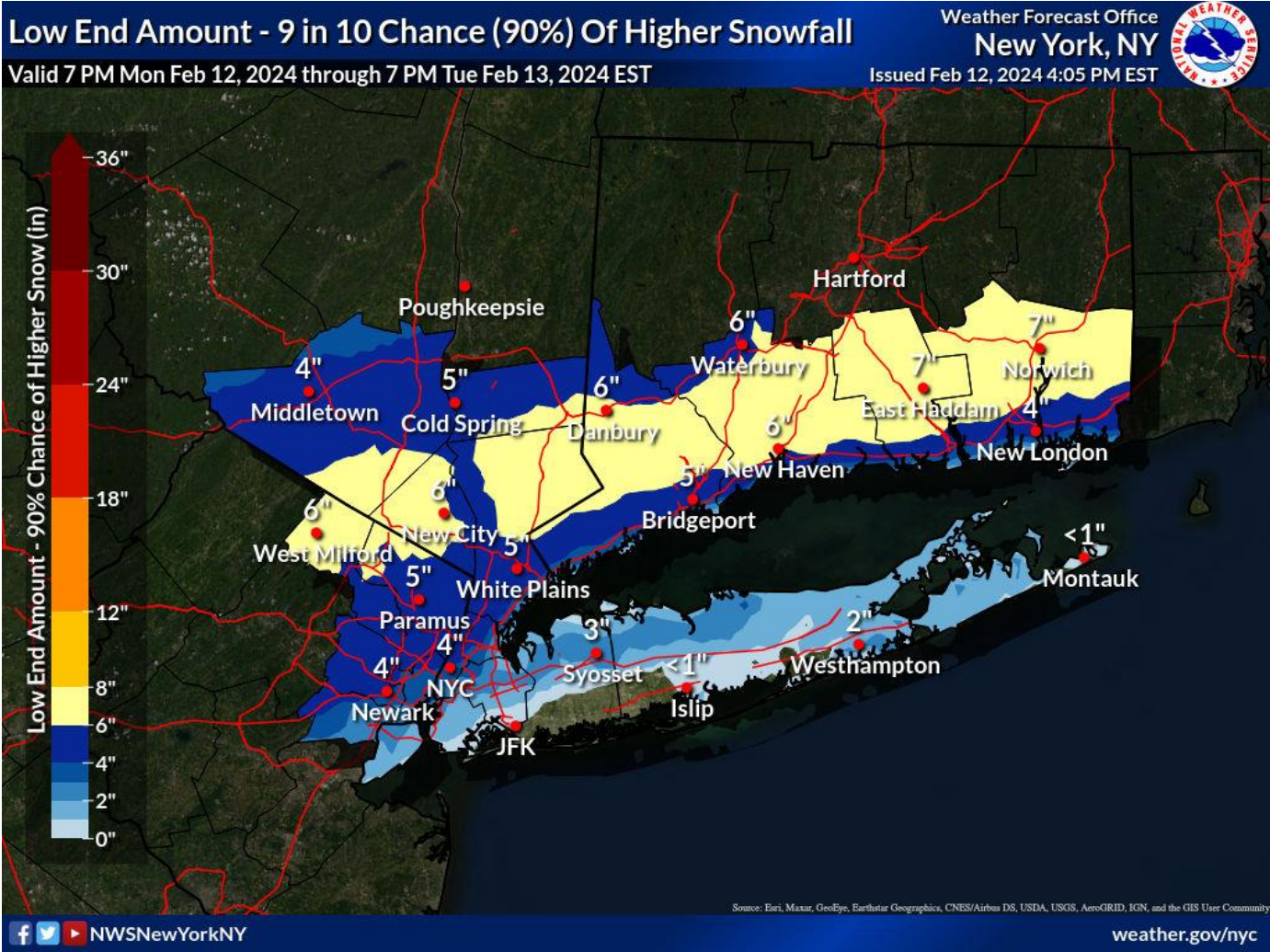


# Probabilistic Snowfall Forecast

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5:25 PM



Snow amounts could be this high in spots where heavy snow banding is most persistent.



Snow amounts could be this low in spots across northwestern areas if the storm trends further south. Snow amounts could be this low for spots across the city/coast if changeover from rain to heavy snow is slower to occur than forecast.







# Coastal Flooding

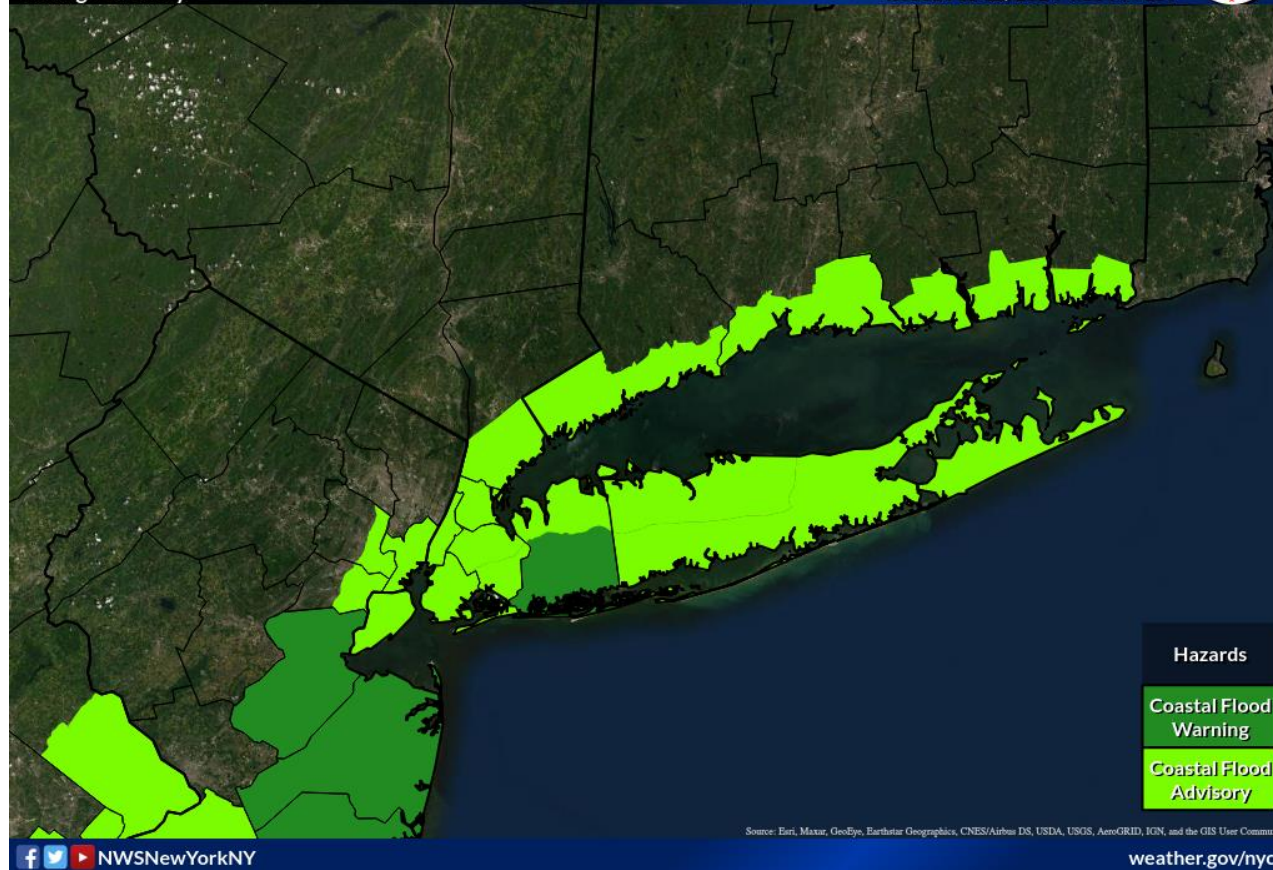
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## Coastal Flood Headlines

Through Tuesday

Weather Forecast Office  
New York, NY

Issued Feb 12, 2024 4:36 PM EST



### Coastal Flood Hazards and Impacts:

- **Coastal Flood Advisory** for minor flooding during tonight's high tide across south shore of W LI, southern Queens/Brooklyn, Lower NY Harbor, and parts of western LI Sound.
- **Coastal Flood Warning for Southern Nassau County** for widespread moderate coastal flooding (2 to 2 ½ ft inundation above ground) with the Tue AM/early afternoon high tides.
- **Coastal flood Advisory for remainder of coast for widespread minor flooding** (1 to 2 ft inundation above ground) with the Tue AM/early afternoon high tides.

### Shoreline Hazards and Impacts:

- Along north facing shorelines of Long Island and the Twin Forks, breaking waves of 2 to 4 ft, will cause splashover bulkheads and sea walls. This could cause locally moderate coastal flood impacts (2 to 2 1/2 ft inundation above ground) along shoreline roads and properties, and localized minor damage possible to shoreline structures, in this area.
- Ocean beach flooding and beach escarpment likely during the Tuesday morning and night high tides. Dune erosion impacts are expected to be localized and minor.

### Forecast Challenges:

- An earlier shift of winds to the north before time of high tide could reduce coastal flood impacts for south facing shorelines.
- Additional minor coastal flooding likely for south shore of W LI, southern Queens/Brooklyn, Lower NY Harbor, and parts of western LI Sound for Tue Night high tide

For the latest coastal flood forecasts (hydrographs and tables) and the tools to visualize the potential coastal impacts (zoomable potential inundation map, impact catalogs, climatology, etc.) in your area of concern please go to the [NWS New York, NY Coastal Flooding Page](#)



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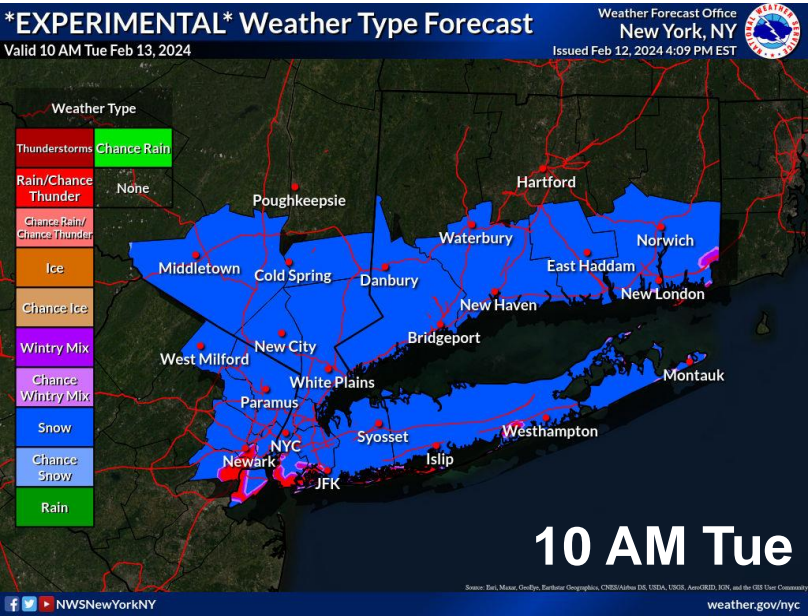
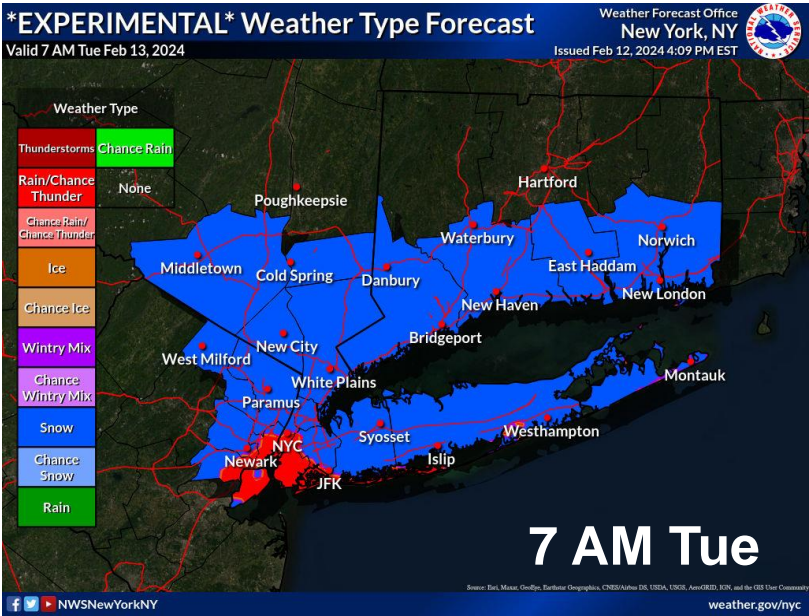
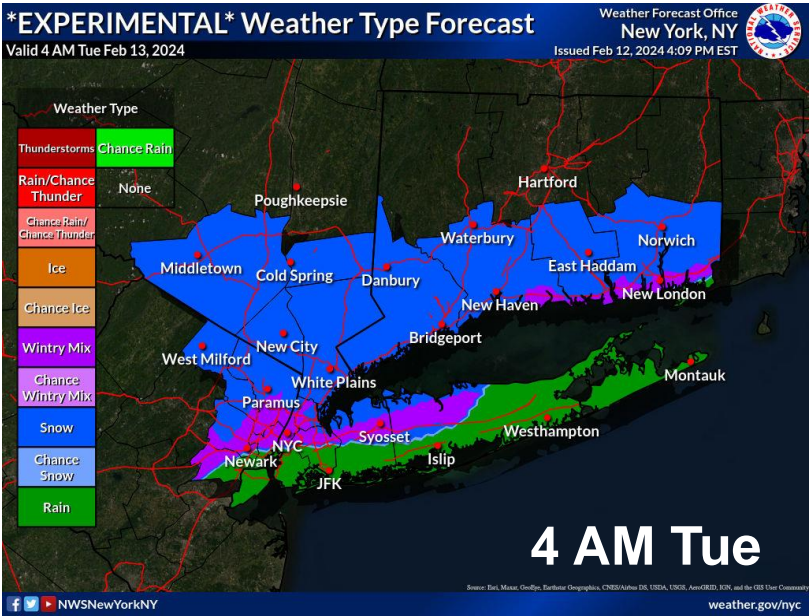
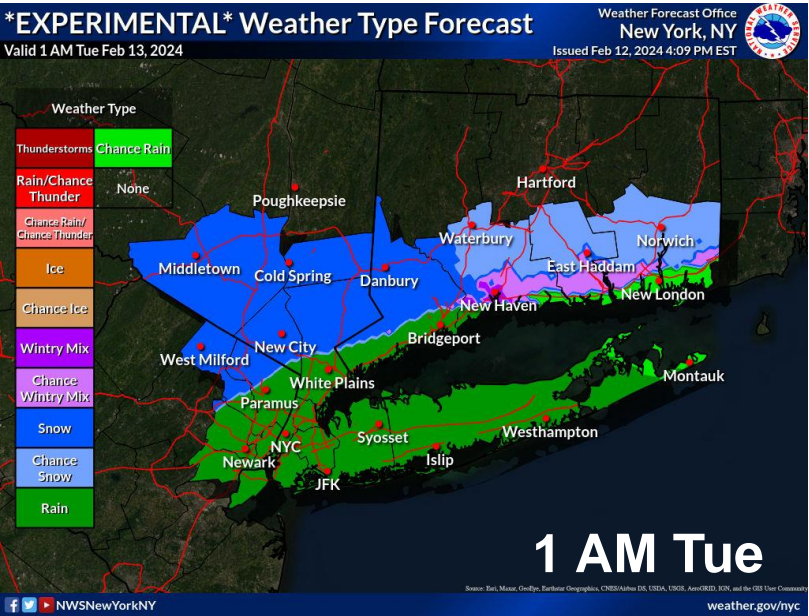
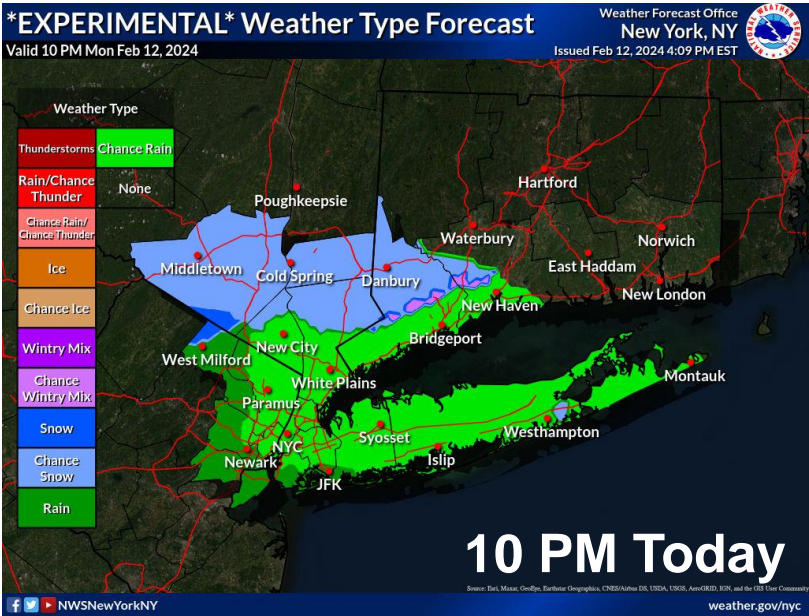
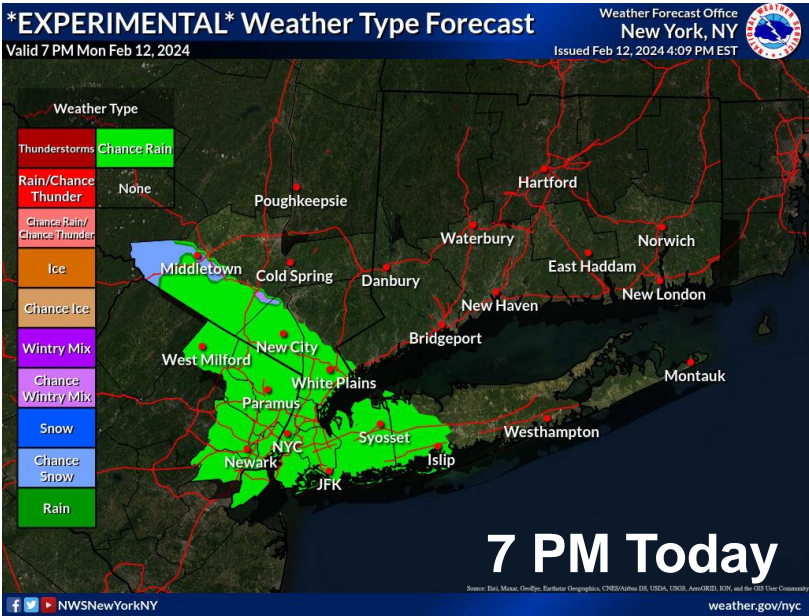
National Weather Service  
New York, NY





# Changeover Timing (Experimental)

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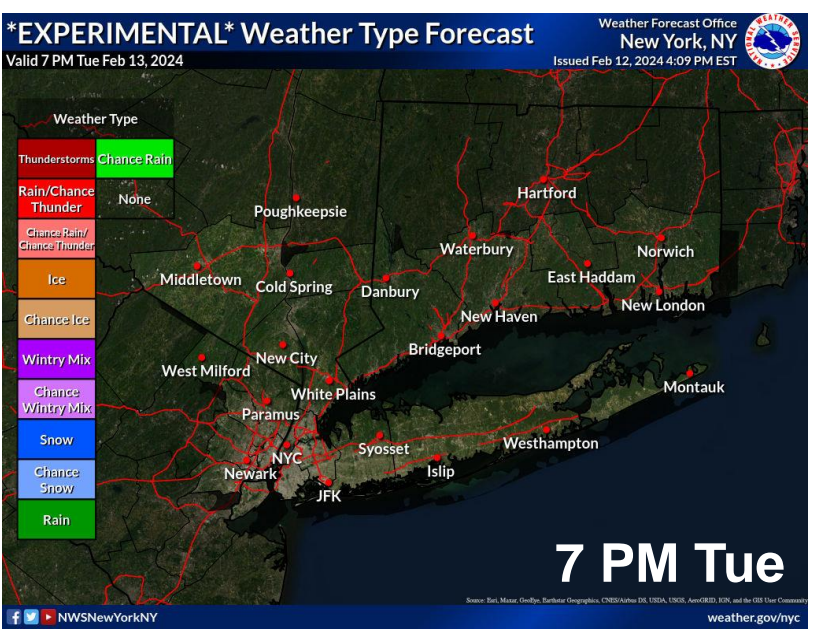
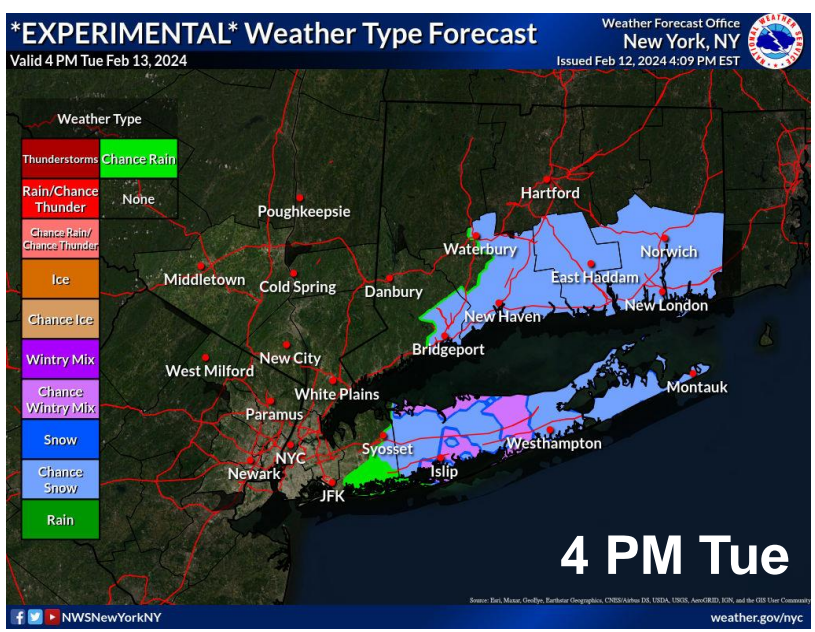
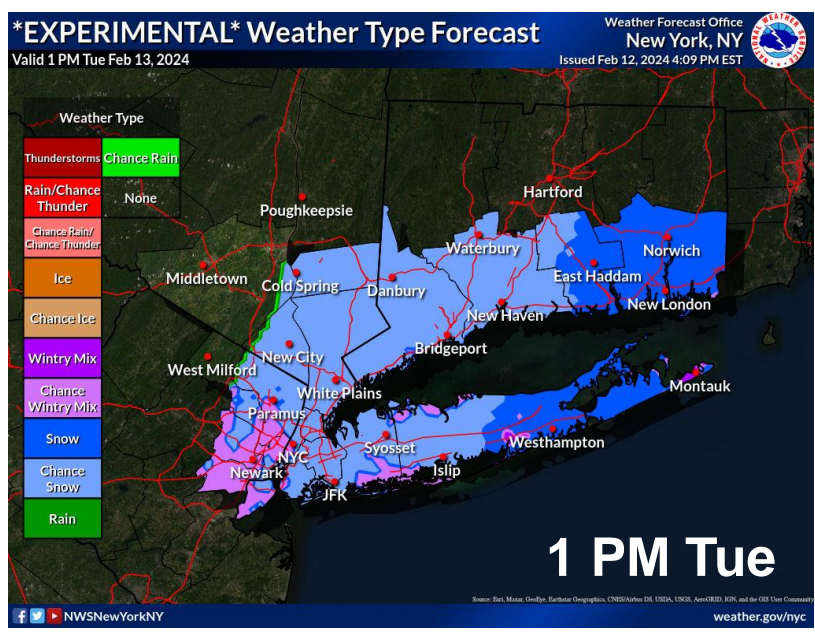
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