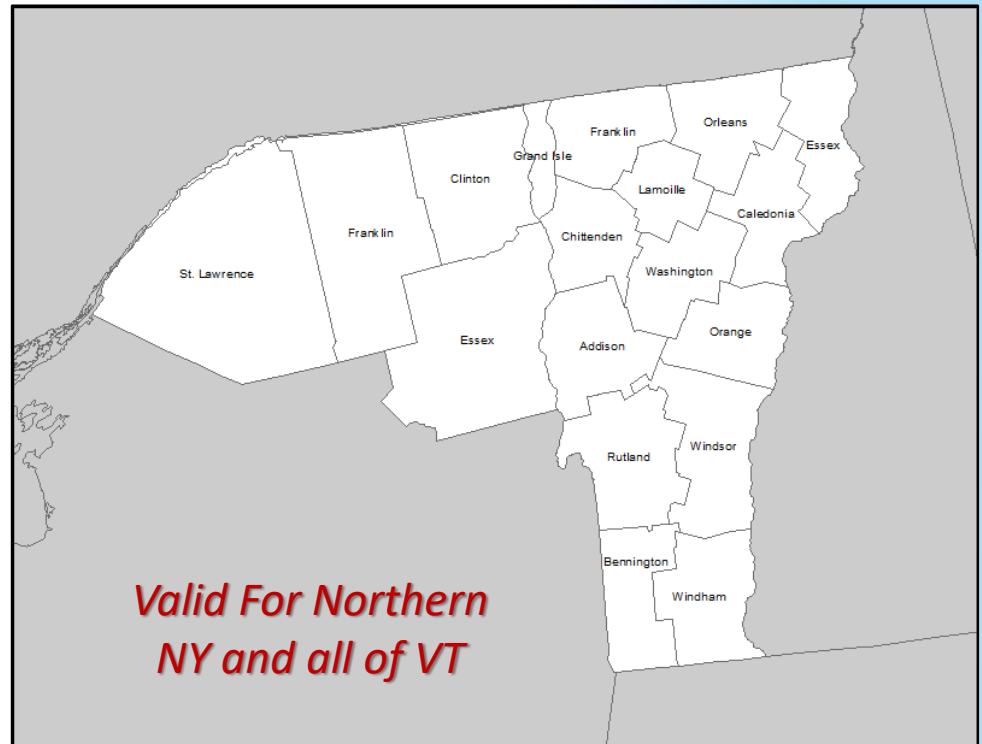


# Winter Storm Today Through Friday Morning

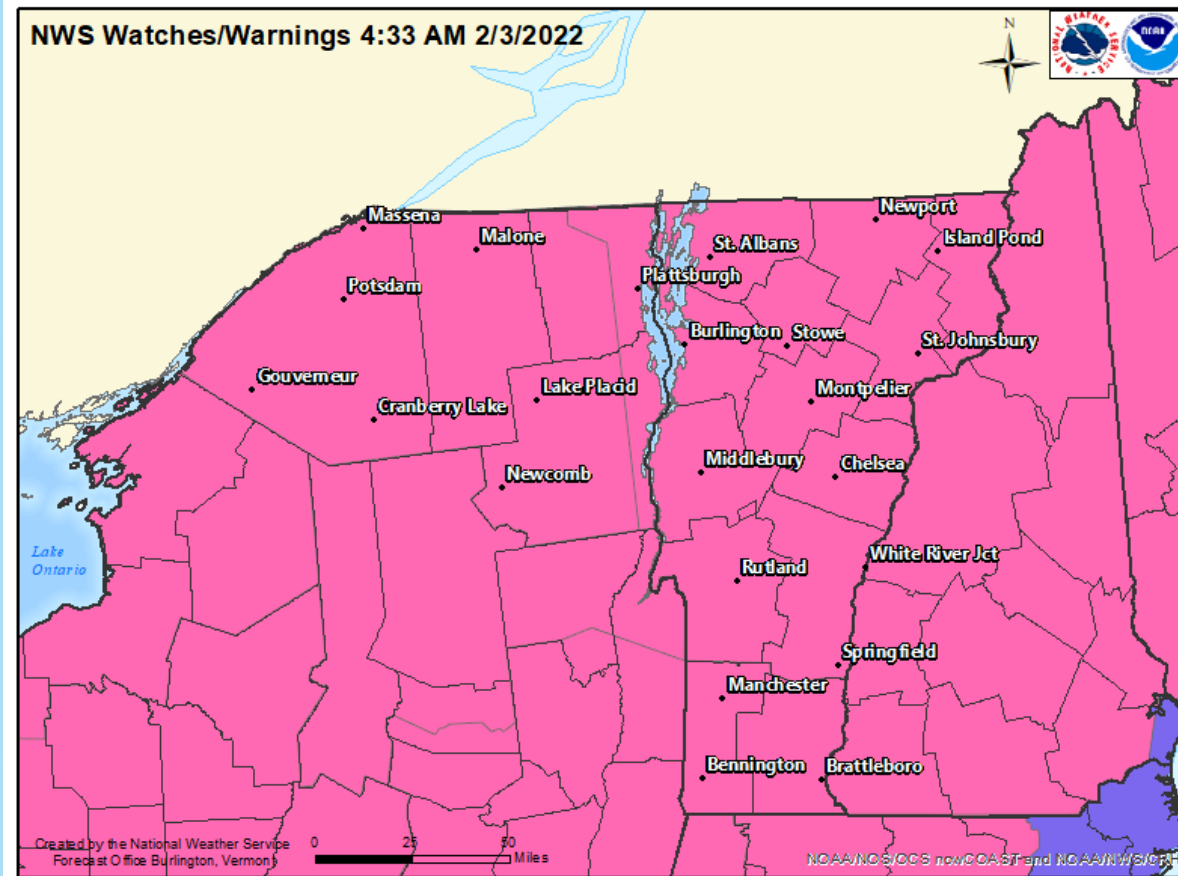
## Decision Support Briefing #7 5 AM Thursday, February 3rd

### Key messages:

- ✓ Winter Storm Warnings remain in effect for the entire area.
- ✓ Long duration precipitation event.
- ✓ Greatest period for moderate to heavy snow is tonight through Friday morning.
- ✓ Travel impacts are expected due to the accumulating snow.



# Winter Weather Warnings & Advisories



- **Winter Storm Warning** for northern New...until 7 am Friday.
- **Winter Storm Warning** for Vermont and the Champlain Valley of New York...from 7 am today until 1 pm Friday.

# Expected Storm Total Snowfall

## This Morning Through Friday Morning

**HEAVIEST SNOWFALL:** This evening through Friday morning with rates of ½" to 1" per hour.



Snowfall totals expected to be **6 to 12 inches** across much of the area with slightly lesser amounts over far southern Vermont. Up to **10 to 14 inches** across portions of the Adirondacks and central Vermont.

### Northern New York

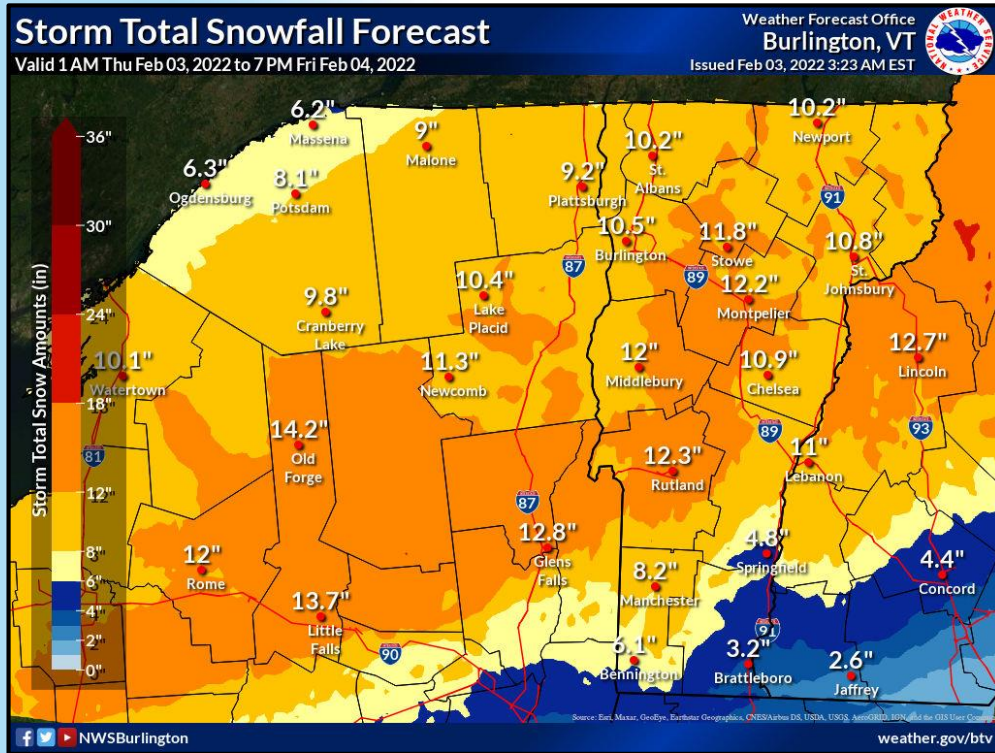
- ✓ 1 to 3 inches through this afternoon.
- ✓ An additional 5 to 10 inches this evening through early Friday morning.

### Vermont and Champlain Valley

- ✓ A dusting to 2 inches through this afternoon.
- ✓ An additional 7 to 12 inches Thursday night through Friday morning.



# Wet, Heavy Snow Possible Through Friday Morning

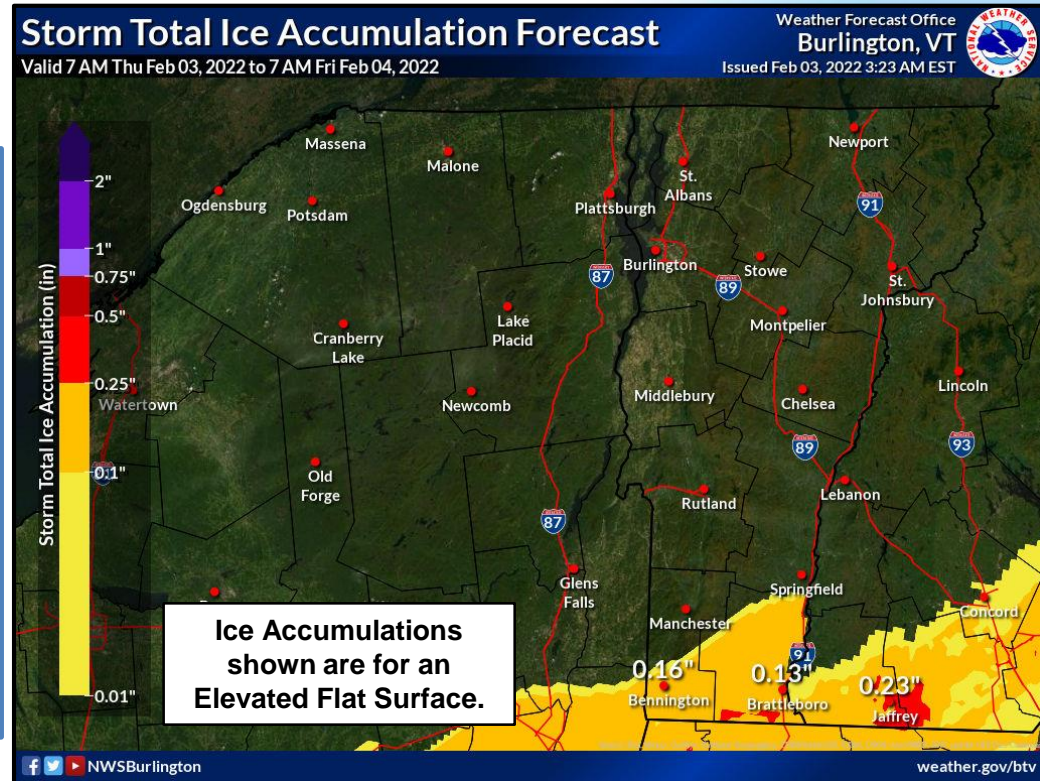


- ✓ Snow across southern Vermont may be wet and heavy at times, especially this evening through Friday morning.
- ✓ Isolated power outages are possible.

WET Snow Accumulation	Potential Impacts assuming a Snow/Water Ratio 10:1 or less
< 5 inches	Some weighted tree limbs of Conifers and fully leaved trees
5-10 inches (WE .5-1")	Numerous weighted tree limbs and some power lines. Isolated to scattered outages possible.
10-15 inches (WE 1-1.5")	Weighted/snapped tree limbs, especially fully leaved trees. Scattered to Numerous power outages likely.
> 15 inches (WE > 1.5")	Numerous downed tree limbs and some snapped trees. Widespread power outages.

# Ice Accumulation Totals and Potential Impacts

- ✓ Any potential ice accumulations, a glaze to a few hundredths, will be across portions of Bennington and Windham counties in Vermont.
- ✓ Most likely time period is late tonight to early Friday morning.
- ✓ Any ice along with the expected snow and sleet across this area will make for difficult travel conditions.

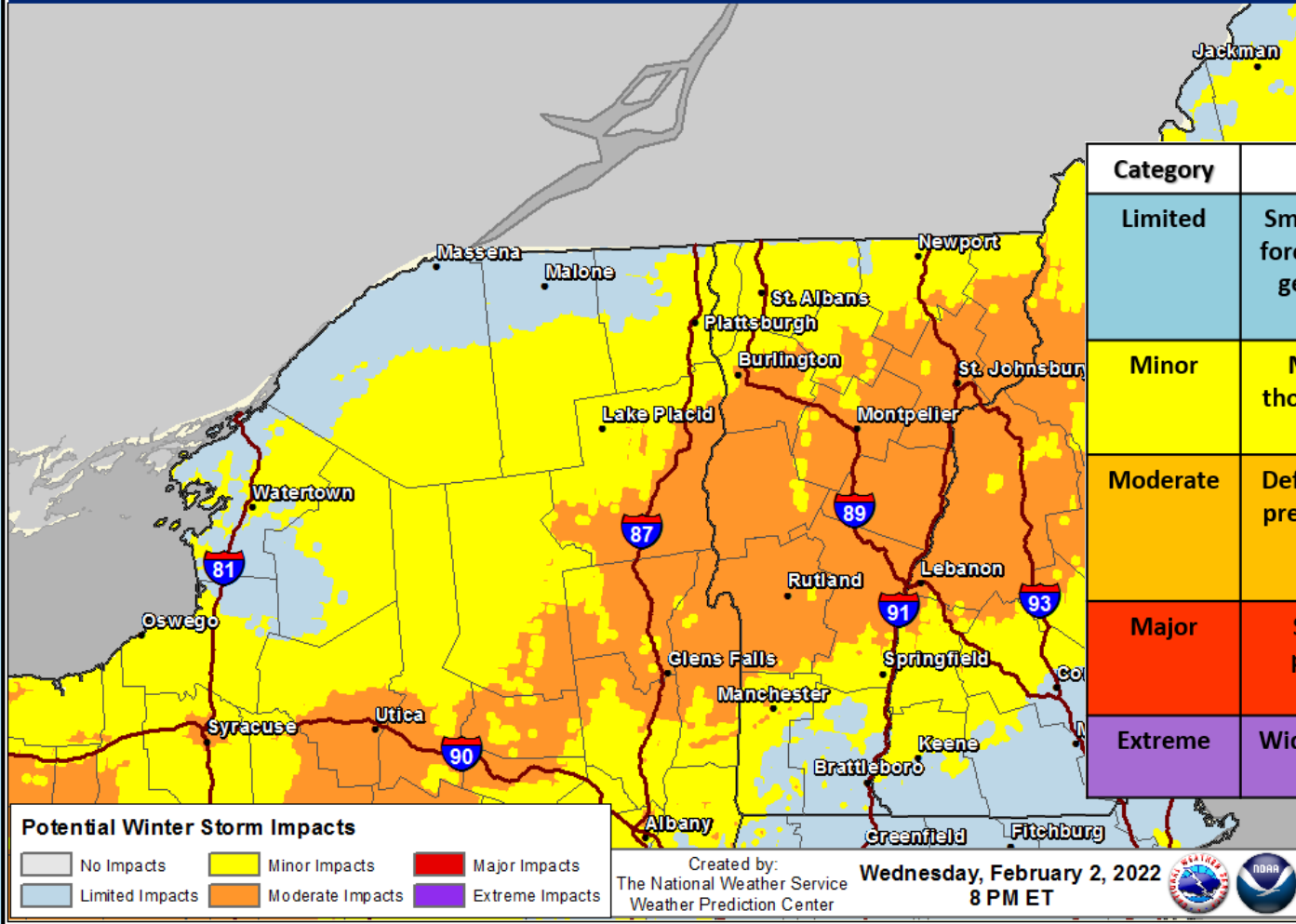


Ice Accumulation (FLAT)	Potential Impacts
Trace to < 1/4 inch	Slick to Hazardous road and pedestrian surfaces, especially untreated surfaces.
1/4 to 1/2 inch	Hazardous, icy road conditions and some weighted tree limbs. Isolated power outages possible near 1/2".
1/2 to 1 inch	Dangerous road conditions, hanging limbs. Isolated (1/2") to Numerous power outages (1") possible.
1 to 2 inches	Numerous (1") to Widespread (2") power outages likely, possibly lasting a few days. Downed tree limbs/branches and utility lines possibly causing structural or vehicle damage. Very Dangerous road conditions.
>2 inches	Widespread power outages lasting several days or more. Downed tree branches, trees and utility lines, likely causing structural or vehicle damage.



# Winter Storm Severity Index

WSSI Overall - Valid From Thu, Feb 03, 2022 07 PM ET To Fri, Feb 04, 2022 07 PM ET



Category	General Description
Limited	Small accumulations of snow or ice forecast. Minimal impacts, if any. In general, society goes about their normal routine
Minor	Minor disruptions, primarily to those with no preparation. None to minimal recovery time.
Moderate	Definite impacts to those with little preparation. Perhaps up to a day of recovery time for snow/ice accumulation events
Major	Significant impacts, even with preparation. Typically a day or more recovery time.
Extreme	Widespread severe impacts. Several days or more recovery.

**Potential Winter Storm Impacts**

- No Impacts
- Minor Impacts
- Major Impacts
- Limited Impacts
- Moderate Impacts
- Extreme Impacts

Created by:  
The National Weather Service  
Weather Prediction Center  
Wednesday, February 2, 2022  
8 PM ET



<http://www.wpc.ncep.noaa.gov/wwd/wssi/wssi.php?id=BTV>



# Precipitation Onset (Starting) Time

## Winter Precipitation Onset Time

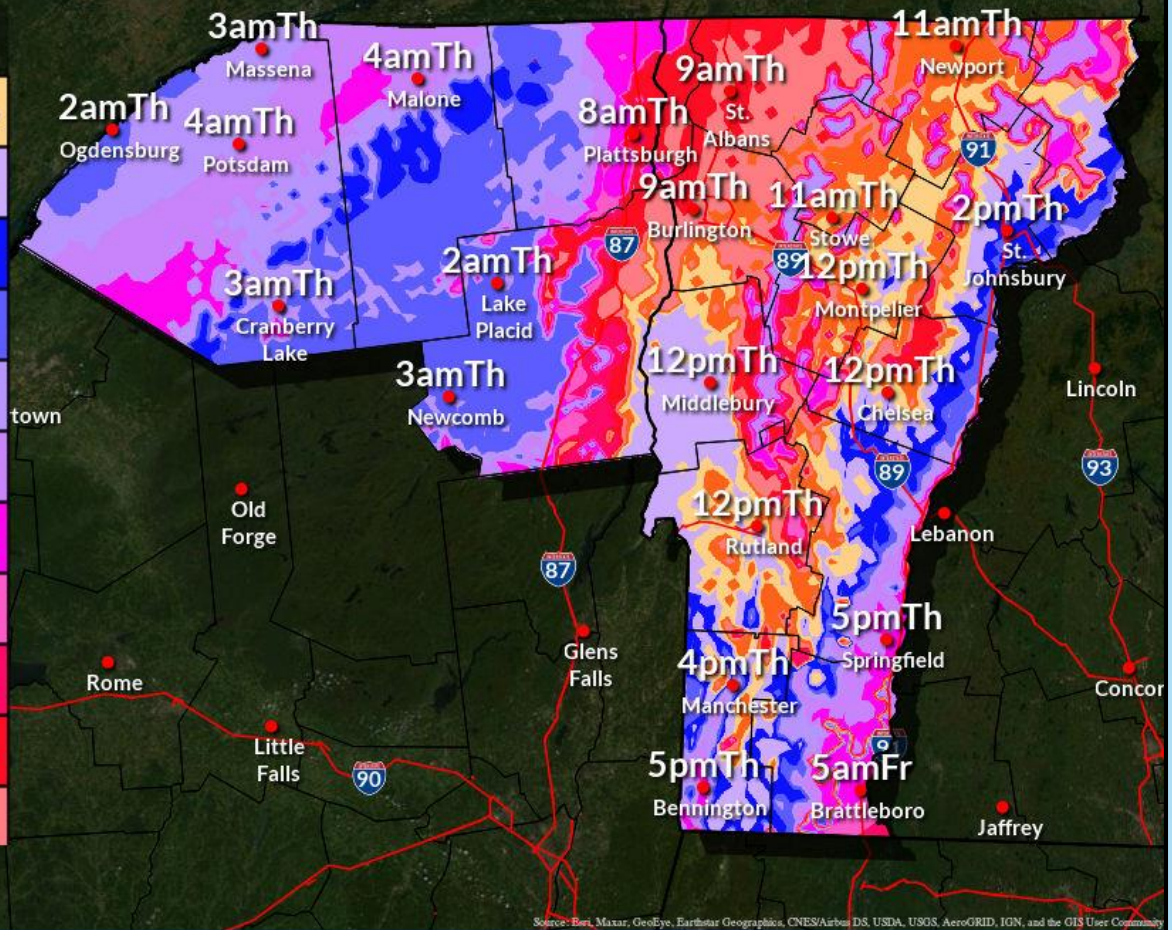
Valid 7 PM Wed Feb 02, 2022 through 7 PM Fri Feb 04, 2022 EST

Weather Forecast Office  
Burlington, VT

Issued Feb 03, 2022 3:33 AM EST



Start Time	
1 AM Thu	11 AM Thu
2 AM Thu	Noon Thu
3 AM Thu	1 PM Thu
4 AM Thu	2 PM Thu
5 AM Thu	3 PM Thu
6 AM Thu	4 PM Thu
7 AM Thu	5 PM Thu
8 AM Thu	6 PM Thu
9 AM Thu	7 PM Thu
10 AM Thu	8 PM Thu
	9 PM Thu



f t NWSBurlington

weather.gov/btv





# Dangerously Cold Wind Chills Possible Saturday Morning

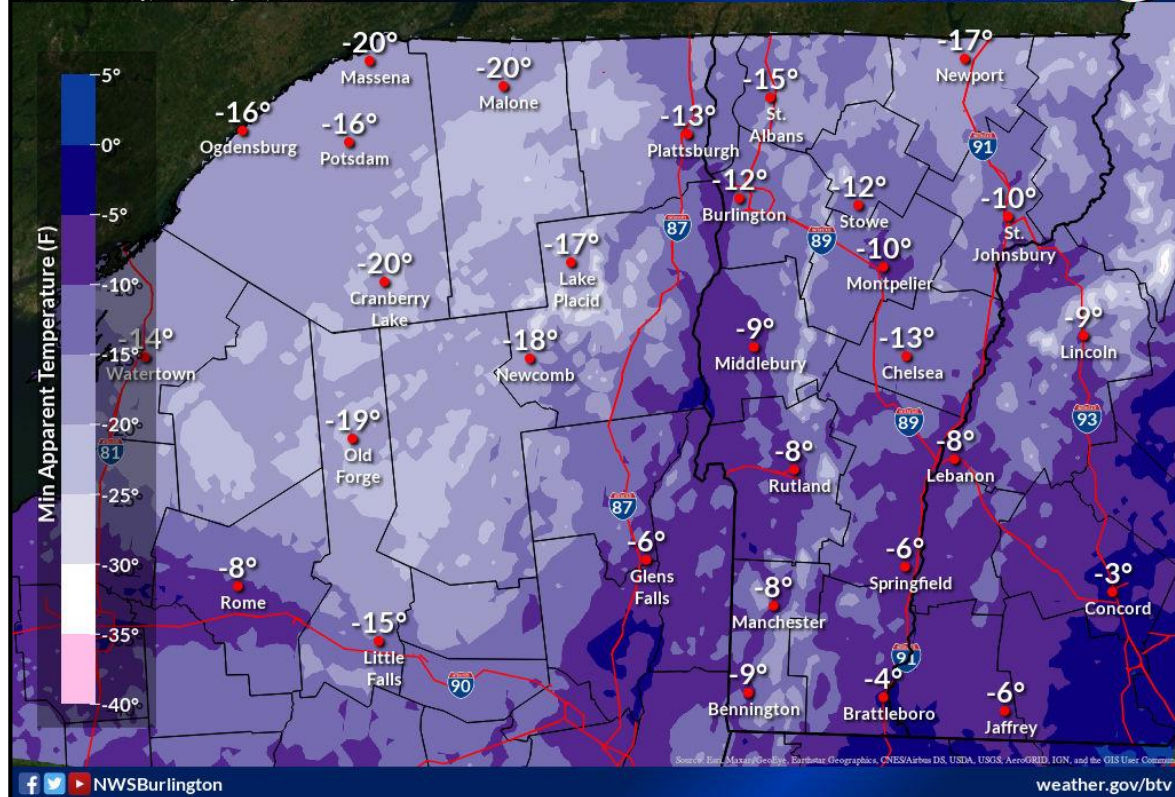
- ✓ Cold temperatures and 5 to 10 mph winds will create dangerously cold wind chills.
- ✓ Wind chills of -15 to -25F are expected with coldest conditions for portions of northern New York and northeastern Vermont.
- ✓ Frostbite may occur in less than 30 minutes in these conditions.

## Minimum Wind Chill Forecast

Valid Saturday, February 05, 2022

Weather Forecast Office  
Burlington, VT

Issued Feb 03, 2022 3:26 AM EST





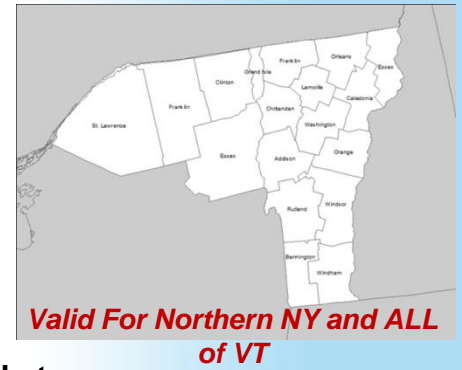
## Storm Summary and Expected Impacts

- ✓ Long duration precipitation event bringing accumulating snow to much of the area.
- ✓ Rain and snow this morning transitioning to all snow today with light accumulations expected. Periods of sleet, rain, and snow expected for portions of Bennington, Windsor, and Windham counties.
- ✓ Moderate to heavy snowfall is expected tonight through Friday morning and will have the highest rate of accumulation of ½” to 1” per hour.
- ✓ Much of the area is expected to see 6 to 12 inches of snow by Friday morning, but slightly less over far southern Vermont where sleet and freezing rain are expected to mix in. 10 to 14 inches of snow are expected across portions of the Adirondacks and central Vermont.
- ✓ Difficult travel is expected, especially for the this evening’s and Friday morning’s commutes.
- ✓ Wetter snow mainly in southern Vermont may result in isolated power outages.
- ✓ Cold temperatures and a period of dangerously cold wind chills of -15 to -25F are expected for Friday night into Saturday morning.

# Contact and Next Briefing Information



**Next Briefing By:  
5 PM on February 3rd  
Method: e-mail**





The latest and most up to date information can always be found at  
[www.weather.gov/btv](http://www.weather.gov/btv)


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<http://www.weather.gov/btv/>

 **Phone (UNLISTED):**  
(802) 863-4279 or (802) 658-0150

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***Disclaimer: The information contained within this briefing is time-sensitive, do not use after 5 PM on February 3rd***