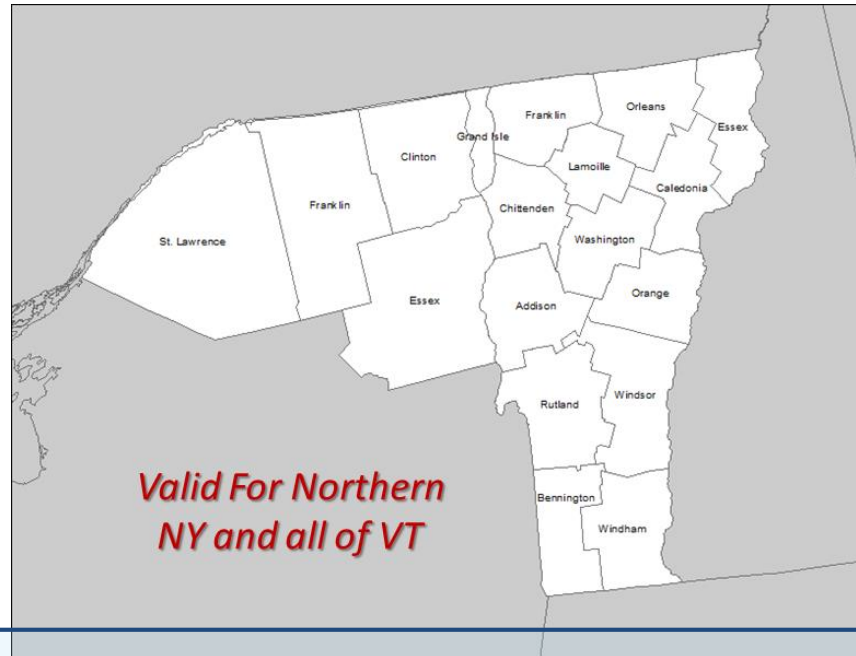


Isaias Briefing #8

Decision Support Briefing
As of 5:00 AM Tuesday, August 4, 2020



What Has Changed?

- ✓ Wind advisory expanded for western slopes and north-central VT
- ✓ Flash flood watch expanded for all of VT and Clinton County, NY
- ✓ Greatest threat for flash flooding has shifted west from the Adirondacks into central VT, including the Champlain Valley, less threat for eastern VT
- ✓ Low threat for isolated tornadoes eastern VT

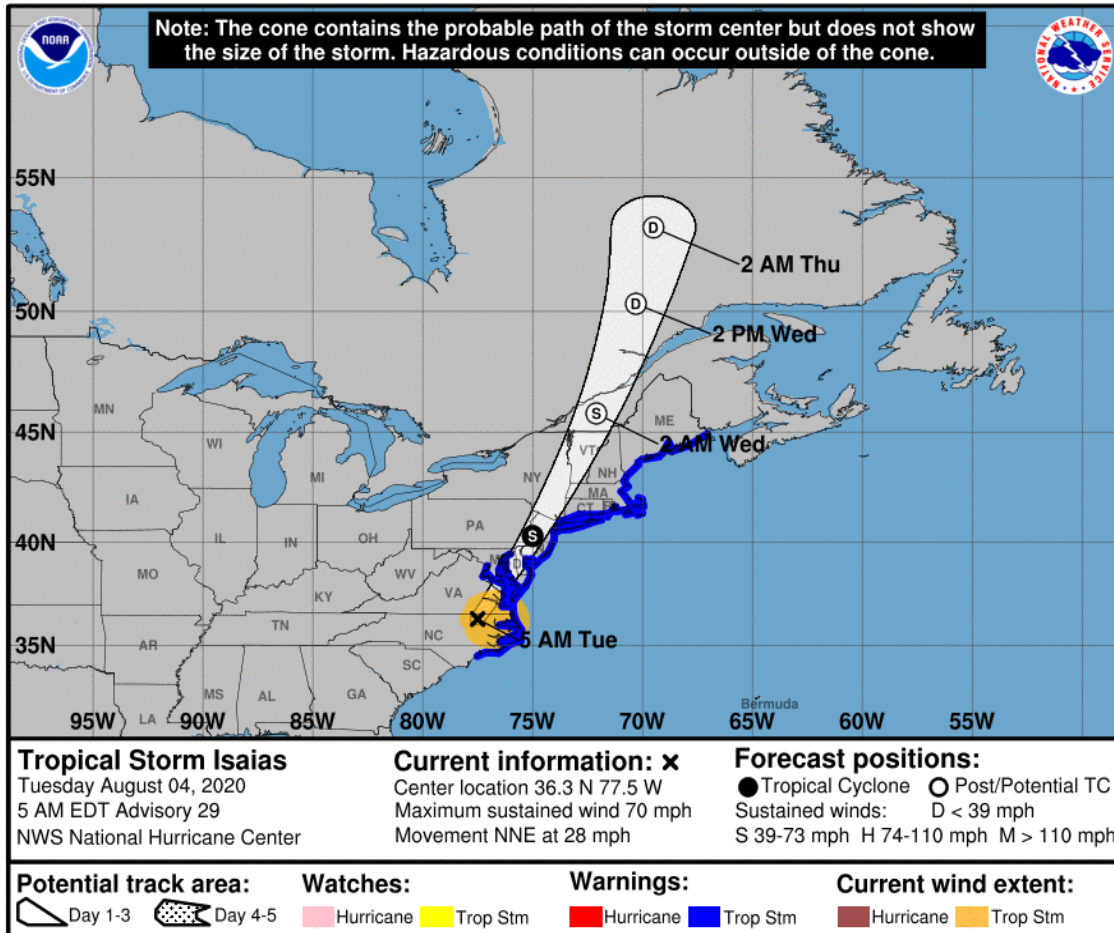
Overview

- ✓ **Flash Flood Watch for all of VT and Essex and Clinton Counties in NY.**
- ✓ **The threat for localized flash flooding due to very high rainfall rates continues, especially across urban areas with poor drainage and complex terrain**
 - ✓ **Greatest threat eastern Adirondacks into central VT, including the Champlain Valley**
- ✓ **Rain, become heavy at times this afternoon into tonight, especially eastern Adirondacks into central VT.**
- ✓ **Storm total rainfall of 1-4" expected with heaviest axis across the eastern Adirondacks into central VT, including the Champlain Valley.**
- ✓ **Sharp rises on streams and rivers are expected from eastern Adirondacks into central Vermont, with several rivers reaching minor flood stage.**
- ✓ **Localized wind gusts up to 50 mph expected this evening western slopes and portions of central/eastern and northern VT, with isolated to scattered power outages possible. Wind advisory has been issued.**

Situational Awareness

Hazard	Impacts	Location	Timing
Flash Flooding	Localized flash flooding with culvert and dirt road washouts possible, along with poor drainage urban flooding	Eastern Adirondacks into central Vermont, including the Champlain Valley	Late this afternoon into early Wednesday morning
Wind	Isolated to scattered power outages possible	Western slopes and portions of central/eastern and northern VT	7 PM Tuesday to 3 AM Wednesday
Tornado	Very isolated and low risk of weak tornadoes	Southern and eastern VT	2 PM to 9 PM today

Latest NHC Advisory

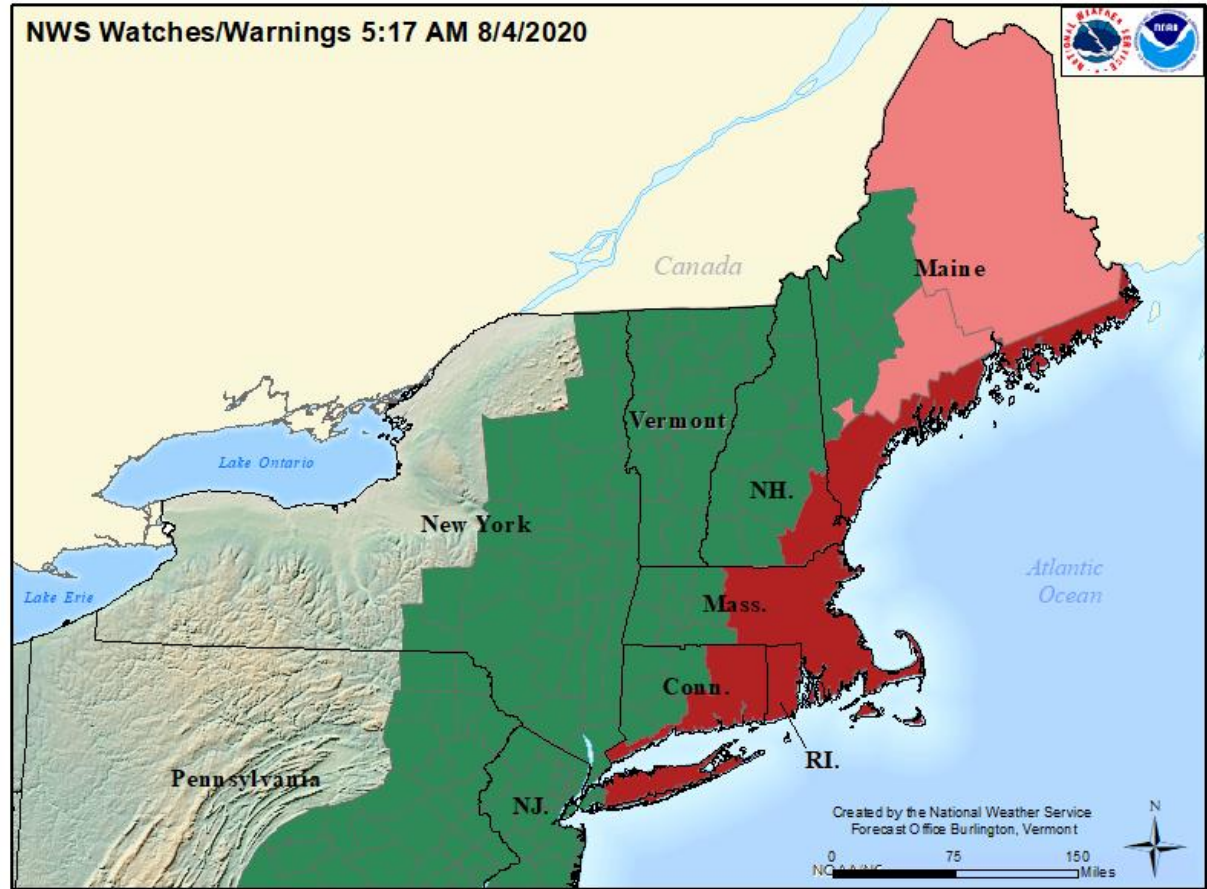


- ✓ **Isaias** was 85 miles west of Norfolk, VA with maximum winds of 70 mph.
- ✓ Isaias is expected to track northward, and the forward motion will continue to increase today
- ✓ Rain will develop today and become heavy at times this afternoon into this evening, especially from the Eastern Adirondacks into Central Vermont.

For more information, check our webpage with tropical information at <https://www.weather.gov/btv/tropical> and the National Hurricane Center at <https://www.nhc.noaa.gov/>

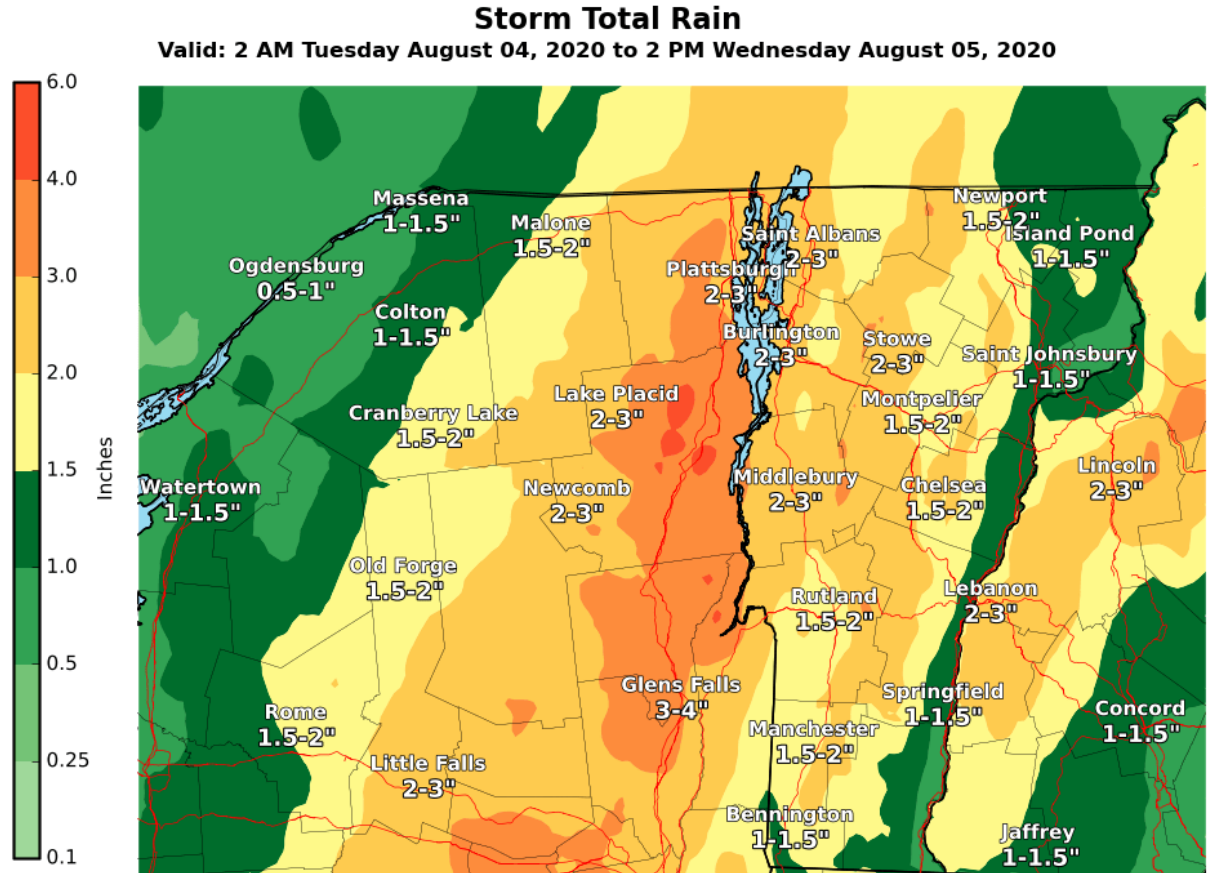
Flash Flood Watch

- ✓ Flash flood watch from 2 PM Tuesday until 11 AM Weds
- ✓ All of VT and Clinton and Essex Counties in NY
- ✓ 1 to 4 inches of rain
- ✓ Localized flash flooding and minor river flooding is possible
- ✓ Rivers include: Ausable, Mad, Missisquoi and Otter Creek



Rainfall Forecast (Today through Wednesday)

- ✓ Flash Flood Watch for all of VT and Essex and Clinton Counties in NY.
- ✓ Storm total rainfall of 1-4 inches.
- ✓ Localized to scattered flash flooding possible.
- ✓ When: This afternoon into tonight, at the worst time for Situational Awareness of potential flooding.



National Weather Service
Burlington, VT
08/04/2020 04:21 AM EDT

Follow Us:
weather.gov/Burlington



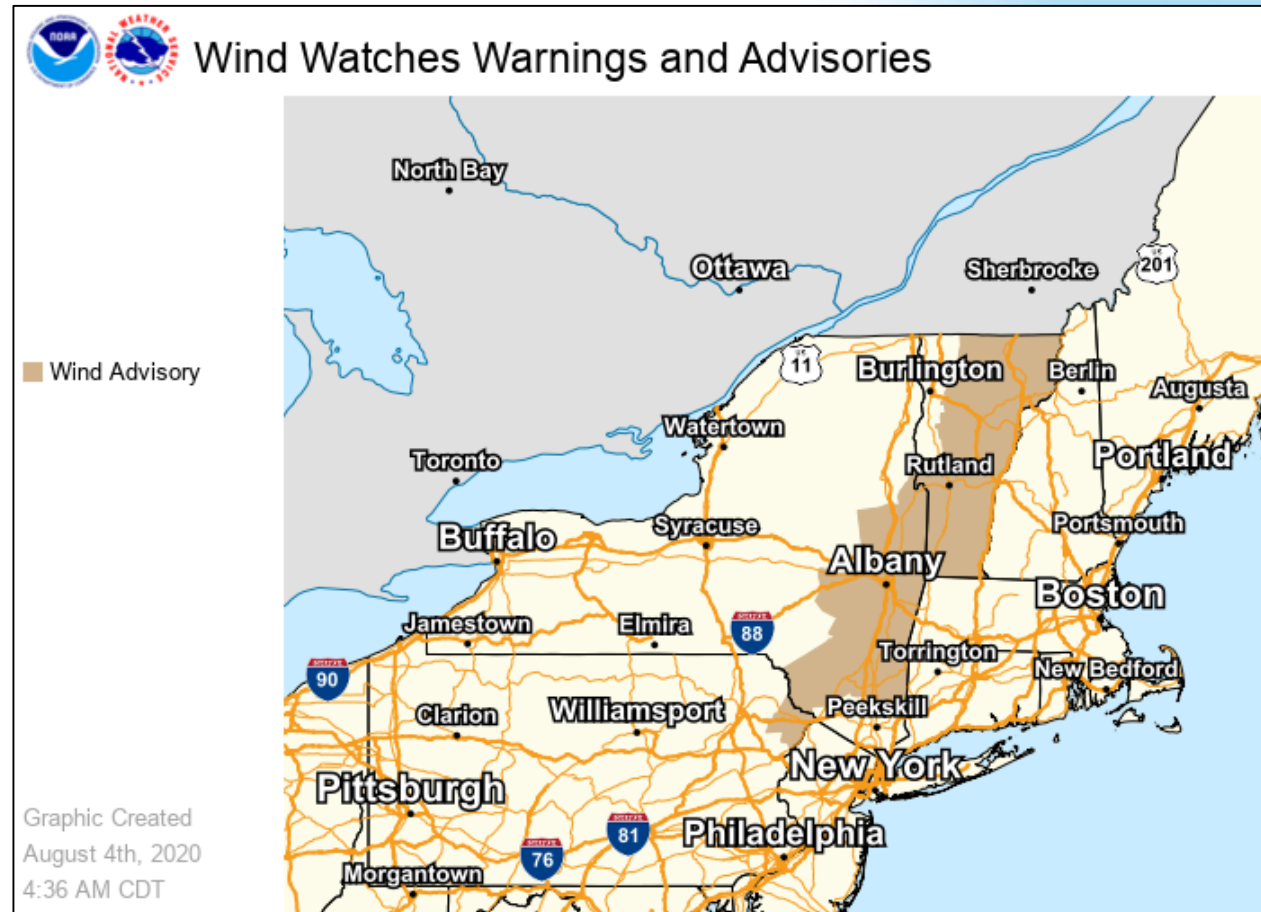
Potential Flooding Impacts – Urban and Flash Flooding

- ✓ Urban street flooding, ponding of water on low-lying roads, clogged storm drains.
- ✓ Washed out culverts and washed out dirt road shoulders/roads
- ✓ Very heavy rainfall rates over any given location can lead to localized Flash Flooding, especially highly sloped, small drainage basins and urban areas
- ✓ Sharp rises on streams and rivers expected, with minor river flooding possible



Wind Advisory

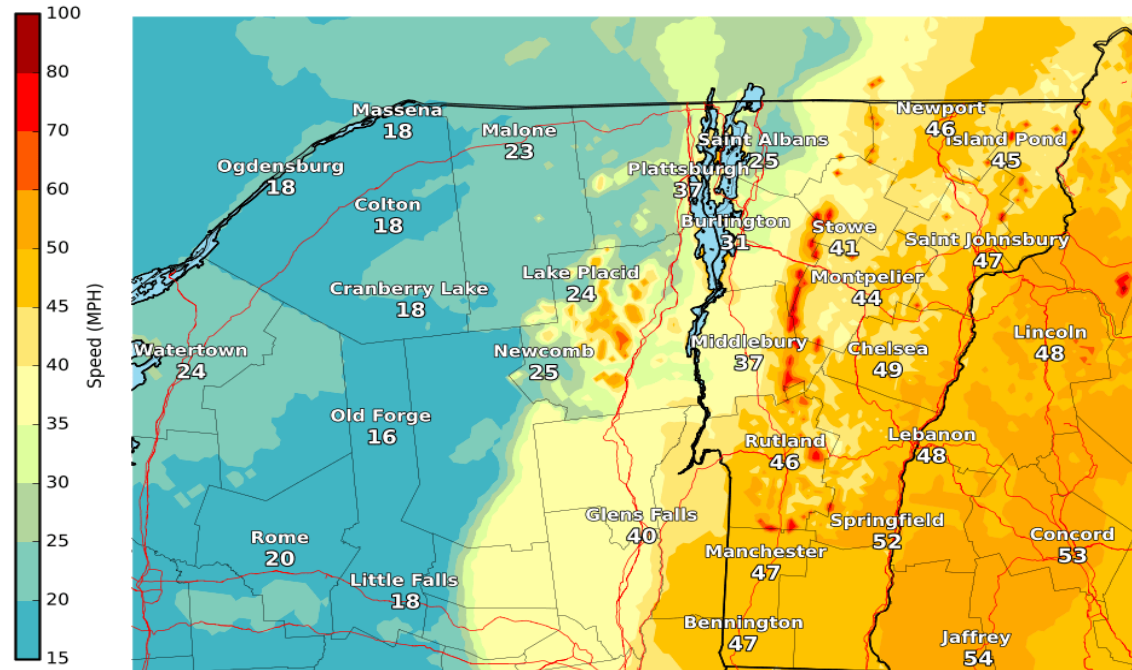
- ✓ Wind Advisory for Bennington and Windham Counties from 2 PM today to 1 AM Wednesday.
- ✓ Wind Advisory for Western Slopes and portions of central/eastern and northern VT, 7 PM Today to 3 AM Wednesday.



Wind Impacts

- ✓ Southeast to northeast winds of 25 to 35 mph with gusts to 50 mph expected.
- ✓ Isolated to scattered power outages possible.

North Country Maximum Wind Gust
Valid: 8 PM Tuesday August 04, 2020 to 2 PM Wednesday August 05, 2020



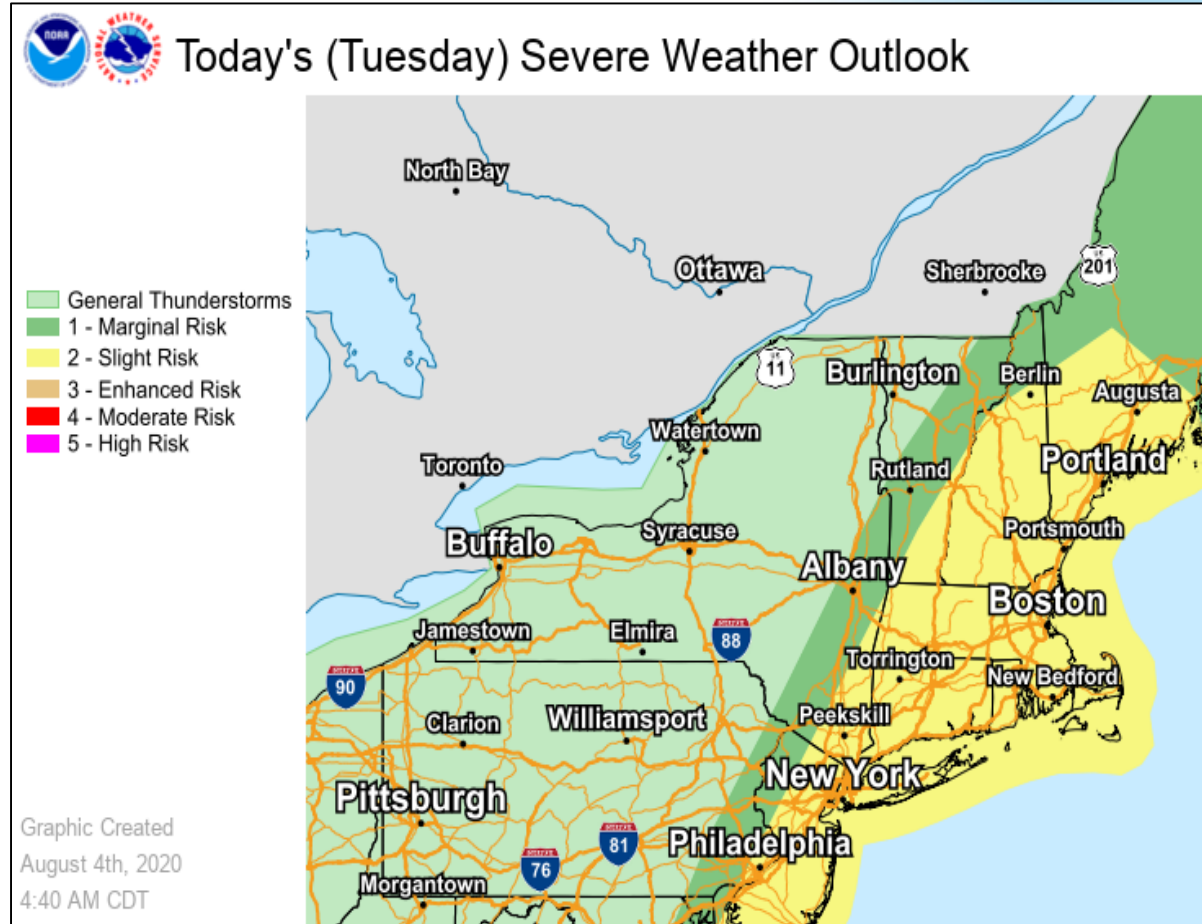
National Weather Service
Burlington, VT
08/04/2020 05:42 AM EDT

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Wind Speeds	Potential Impacts
< 35 mph	Little impact
35-45 mph	Possible blowing of unsecured objects, Small tree limbs down, Isolated power outages possible.
45-55 mph	Several small and larger limbs and small shallow rooted trees knocked down. Scattered power outages possible.

Severe Weather Outlook

- ✓ Low risk of an isolated and weak tornado possible
- ✓ Eastern and southern VT
- ✓ 2 PM and 9 PM today



Isaias Impacts

- ✓ Flash Flood Watch for all of VT and Clinton and Essex Counties in NY, from 2 PM Today to 11 AM Wednesday
- ✓ The threat for localized flash flooding due to very high rainfall rates continues, especially across urban areas with poor drainage and complex terrain
- ✓ Storm total rainfall of 1 to 4" from eastern Adirondacks into central VT, including the Champlain Valley.
- ✓ Sharp rises on streams and rivers are expected , several rivers having the potential to reach minor flood stage.
- ✓ Wind gusts up to 50 mph with isolated to scattered power outages possible for western slopes and parts of central/eastern and northern VT
- ✓ Low risk for an isolated and weak tornado possible for eastern and southern VT

Tropical Links

- National Hurricane Center
 - <https://www.nhc.noaa.gov/>
- BTV Tropical Weather Page
 - <https://www.weather.gov/btv/tropical>

Flood Safety Tips

- NWS Flood Safety Tips and Resources
 - <https://www.weather.gov/safety/flood>

Contact and Next Briefing Information

Next Briefing:
Tuesday, August 4, 2020 by 6 PM
Monitor updated forecasts



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



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



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