

# Heavy Rain, Severe Weather Threat & Dangerous Heat Conditions

**Decision Support Briefing # 1**  
**As of: Tuesday, July 16, 2019**

## ***What Has Changed?***

- ✓ Locally heavy rainfall with isolated flash flooding possible Wednesday and Wednesday night especially along and south of Interstate 90
- ✓ Severe weather threat Wednesday afternoon into the early evening south and east of the Capital District
- ✓ Dangerous Heat Conditions Friday, Saturday & Sunday

Thunderstorms Can Produce  
**HEAVY RAIN**



Don't Drive Through Moving or Standing Water

6 It Only Takes 6 Inches Of Flowing Water To Sweep You Off Your Feet






If You Can't See The Road, Turn Around. Don't Drive Around Barricades!



[weather.gov/thunderstorm](https://weather.gov/thunderstorm)

# Main Points

Hazard	Impacts	Location	Timing
<b>Flooding</b> 	Flooding of poor drainage and low lying areas and possibly leading to isolated flash flooding	Eastern New York and western New England	Wednesday and Wednesday night
<b>Wind</b> 	Downed trees and powerlines, and isolated structural damage associated with the strongest storms	south and east of the Capital District	Wednesday afternoon into the early evening
<b>Heat</b> 	Dangerous heat conditions	Eastern New York and western New England	Friday, Saturday & Sunday especially during the afternoon into the early evening hours

# Heavy Rainfall

## Impacts:

- ✓ Heavy rainfall causing some flooding of poor drainage and low lying areas with isolated flash flooding possible

## Timing:

- ✓ Wednesday and Wednesday night

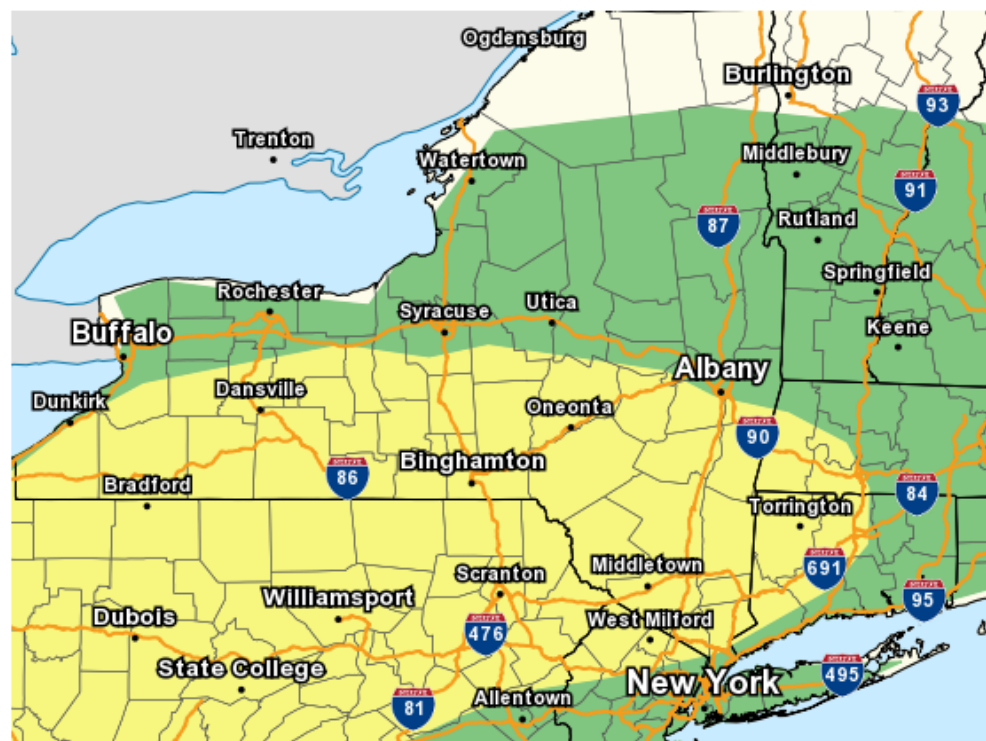
## Location:

- ✓ Especially along and south of Interstate 90



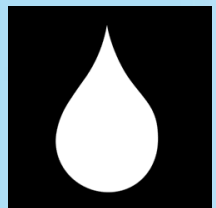
## Day Two Excessive Rainfall Outlook

- Marginal
- Slight
- Moderate
- High



Graphic Created  
July 16th, 2019  
2:45 PM EDT

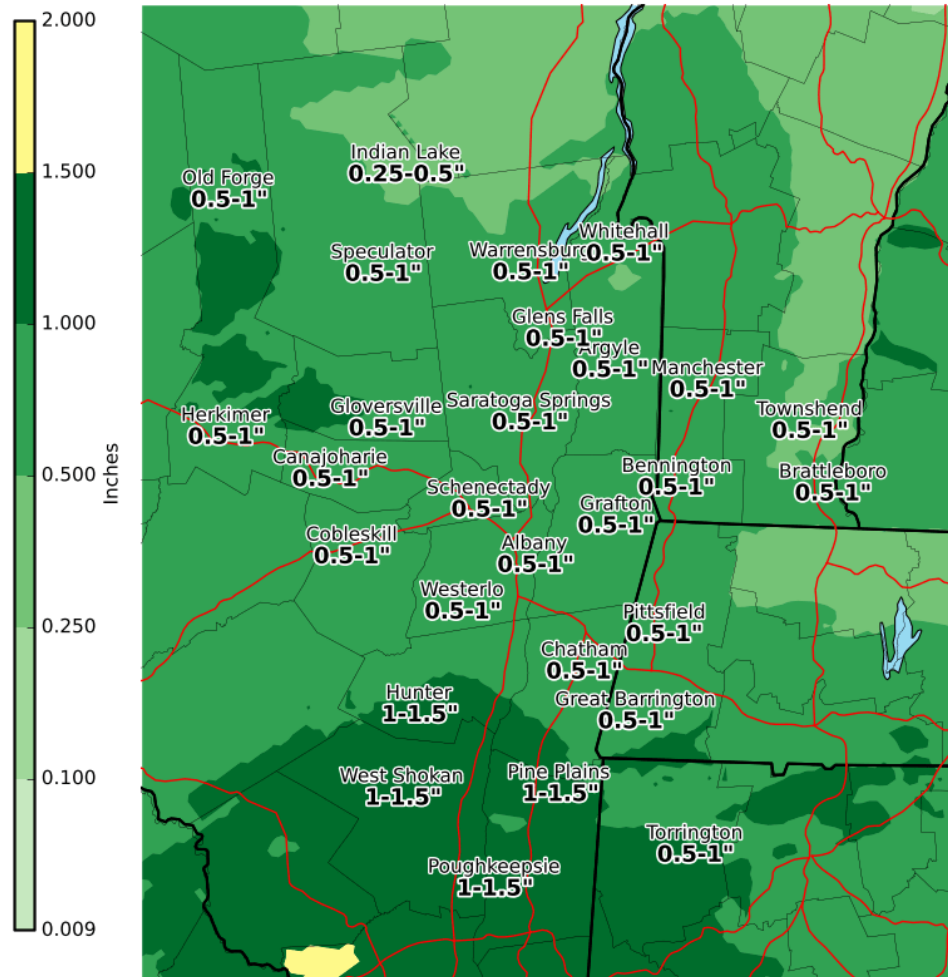




Locally higher amounts are expected especially where stronger thunderstorms occur and in areas that get repeated rainfall

## Rain Forecast

Valid: Wednesday and Wednesday Night



**National Weather Service**  
Albany, New York  
07/16/2019 03:39 PM EDT

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# Severe Weather Threat



Tomorrow's (Wednesday) Severe Weather Outlook

## Impacts:

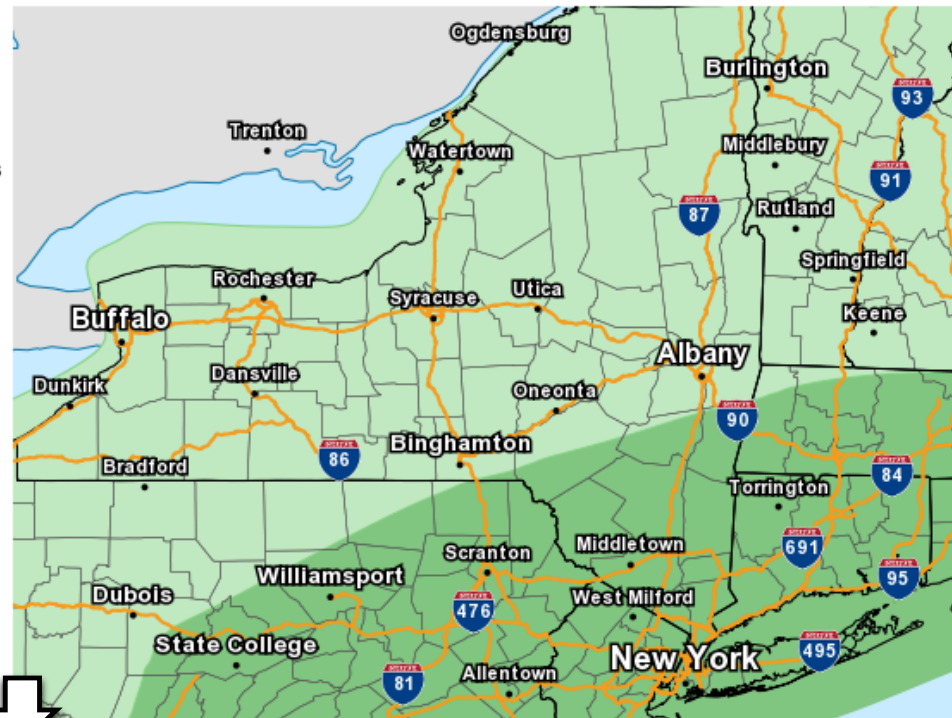
- ✓ Main threat:  
Damaging wind gusts

## Timing:

- ✓ Wednesday afternoon  
into the early evening

## Location:

- ✓ South and east of the  
Capital District



Graphic Created  
July 16th, 2019  
2:45 PM EDT

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense



## Dangerous Heat Conditions

### Friday, Saturday & Sunday

**HEAT ADVISORY** is issued when dangerous heat conditions are expected.

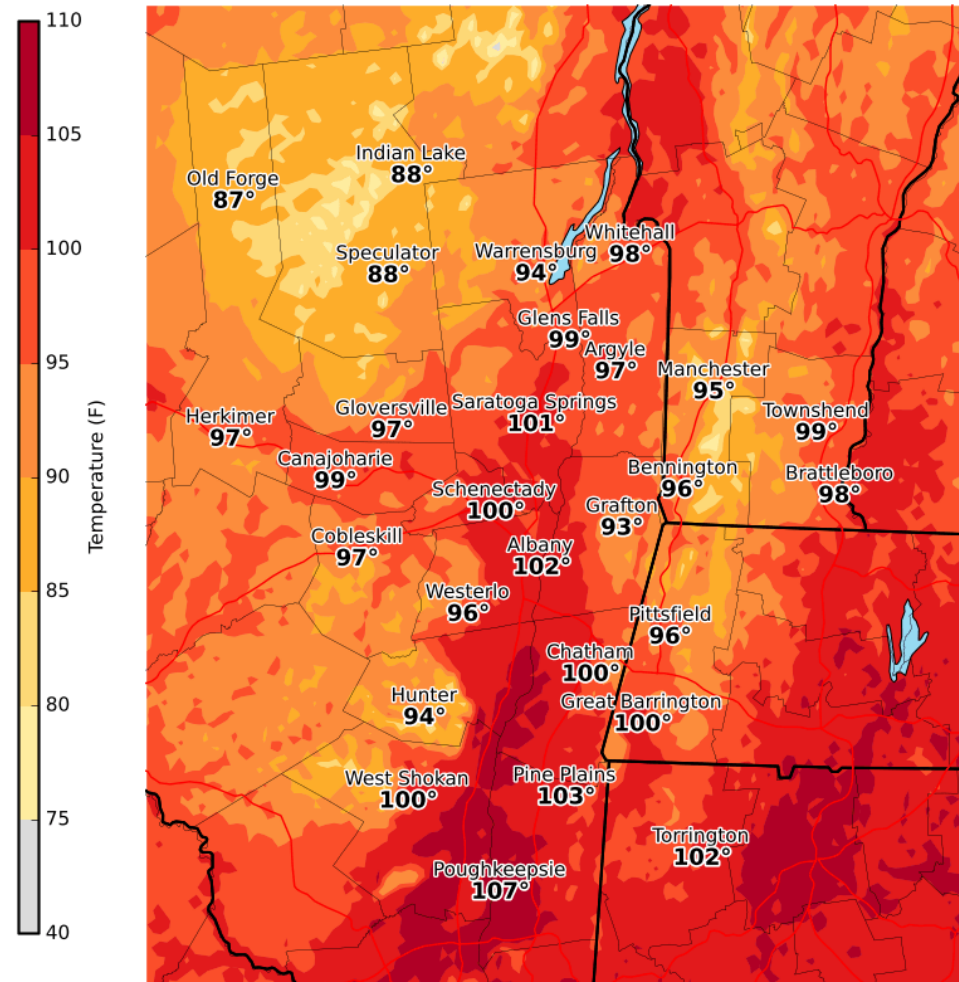
- Heat Indices of 95 degrees or more for two or more consecutive hours for New York State excluding the Lower Hudson Valley, New York City & Long Island and for Vermont.
- Heat Indices of 95-99 degrees for 2 consecutive days or 100 to 104 degrees for any duration in New York State for the Lower Hudson Valley, New York City & Long Island and for Connecticut & Massachusetts.

**EXCESSIVE HEAT WARNING** is issued when extremely dangerous heat conditions are expected.

Specifically for heat indices of 105+ degrees for two or more hours for New York State, Connecticut, Massachusetts and Vermont.

### Forecast Peak Apparent Temperature

Valid: Saturday, July 20, 2019



National Weather Service  
Albany, New York

07/16/2019 04:01 PM EDT

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# Dangerous Heat Conditions

Heat Related Deaths  
**ARE** Preventable  
*LOOK BEFORE YOU LOCK*



[weather.gov/heat](http://weather.gov/heat)

[nhtsa.gov](http://nhtsa.gov)

The temperature in your car can quickly become deadly!

Outside Temperature 80°



**HEAT  
EXHAUSTION**

OR

**HEAT  
STROKE**

Faint or dizzy

Excessive sweating

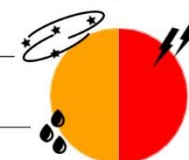


Cool, pale, clammy skin

Nausea or vomiting

Rapid, weak pulse

Muscle cramps



Throbbing headache, confusion

No sweating

Body temperature above 103°  
Red, hot, dry skin



Nausea or vomiting

Rapid, strong pulse

May lose consciousness



- Get to a cooler, air conditioned place
- Drink water if fully conscious
- Take a cool shower or use cold compresses

**CALL 9-1-1**

- Move person to cooler place
- Cool using cool cloths or bath
- Do not give anything to drink



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## Event Summary

**Wednesday/Wednesday night:** Showers and thunderstorms will become widespread late tonight into Wednesday as a cold front approaches and tropical moisture moves across the area.

- ✓ Confidence:
  - ✓ Heavy Rainfall: Moderate
  - ✓ Severe Weather Threat: Low



Thunderstorms will contain locally heavy rainfall, which may produce isolated flash flooding, especially where multiple thunderstorms occur.



There is a marginal risk of severe weather mainly to the south and east of the Capital District Wednesday afternoon into the early evening. The main threat is damaging wind gusts.

**Friday, Saturday & Sunday:** Hot temperatures combined with high humidity levels are expected creating dangerous heat conditions. Heat Advisories and/or Excessive Heat Warnings may be needed.



# Contact and Next Briefing Information



**Next Briefing**  
**When: 6 am Wed, July 17, 2019**  
**Method: E-mail**



**Web:**

<http://weather.gov/aly>



**E-mail:**

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