

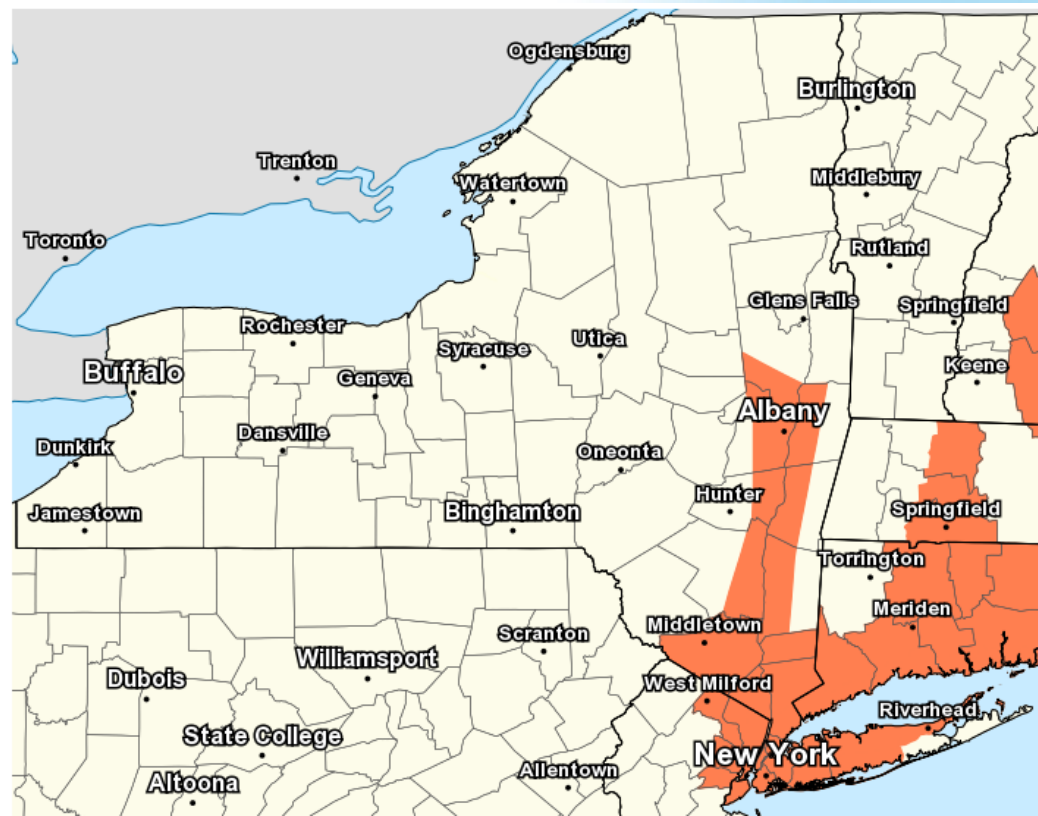
# High Heat Index Values Tuesday & Thunderstorm Potential Tue-Wed

## Decision Support Briefing # 1

As of: 515 PM Monday, July 29, 2019



Heat Advisory






### What Has Changed?

- ✓ Heat Advisory issued for Capital Region & Mid Hudson Valley of New York

Graphic Created  
July 29th, 2019  
10:07 PM EDT

## Main Points

Hazard	Impacts	Location	Timing
<b>High Heat Index</b> 	<p>The combination of hot temperatures &amp; high humidity will increase the risk for heat related illnesses</p>	<p>Capital Region &amp; Mid Hudson Valley</p>	<p>Tuesday late morning through Tuesday evening</p>
<b>Thunderstorm Winds</b> 	<p>Thunderstorm winds will be capable of downing trees and power lines</p>	<p>Areas northwest of the Capital Region, especially the Adirondacks &amp; Mohawk Valley</p>	<p>Late Tuesday Afternoon into Tuesday Evening</p>
<b>Locally Heavy Downpours</b> 	<p>Heavy downpours may lead to minor flooding of urban, low lying and poor drainage areas. Isolated flash flooding cannot be ruled out.</p>	<p>All of eastern New York and western New England</p>	<p>Late Tuesday through Wednesday</p>

# Heat Advisory in Effect for the Capital Region & Mid Hudson Valley Tuesday

## Impacts:

Increased threat for heat-related illnesses

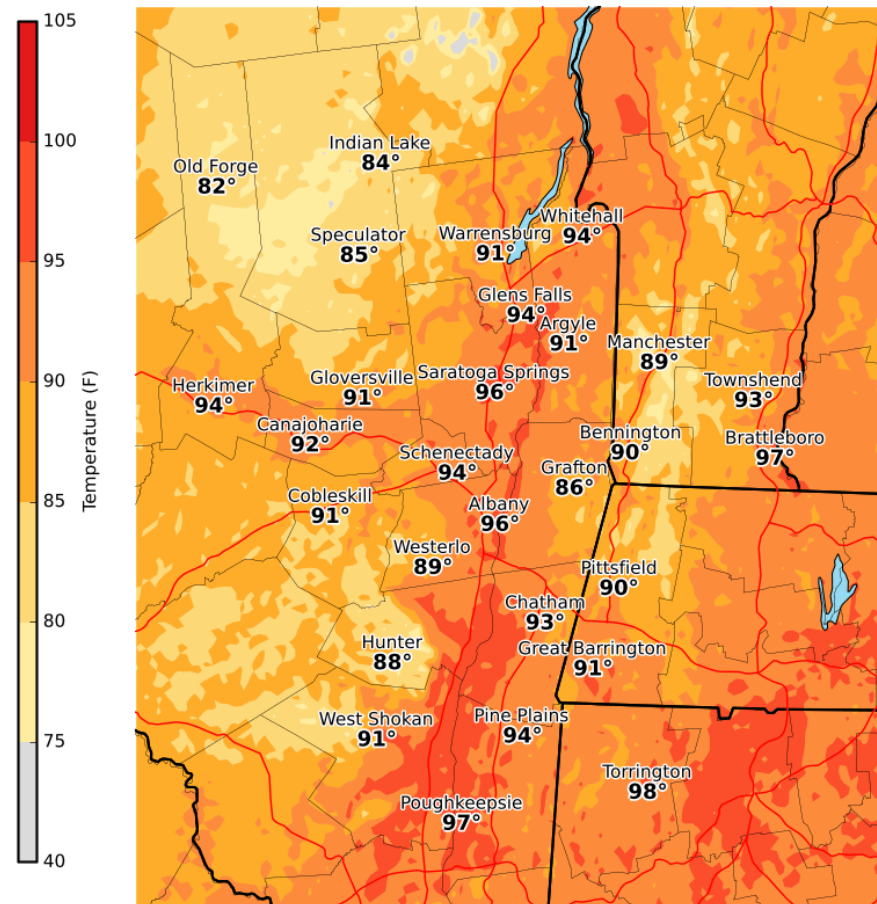
## Timing:

- ✓ Tuesday late morning through Tuesday evening



## Highest Expected Heat Index Value

Valid: Tuesday



**National Weather Service**  
Albany, New York

07/29/2019 04:36 PM EDT

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<https://www.weather.gov/media/aly/FactSheets/NYSHeat.pdf>



# Severe Weather Outlook for Tuesday



## Tomorrow's (Tuesday) Severe Weather Outlook

-  General Thunderstorms
-  1 - Marginal Risk
-  2 - Slight Risk
-  3 - Enhanced Risk
-  4 - Moderate Risk
-  5 - High Risk



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July 29th, 2019  
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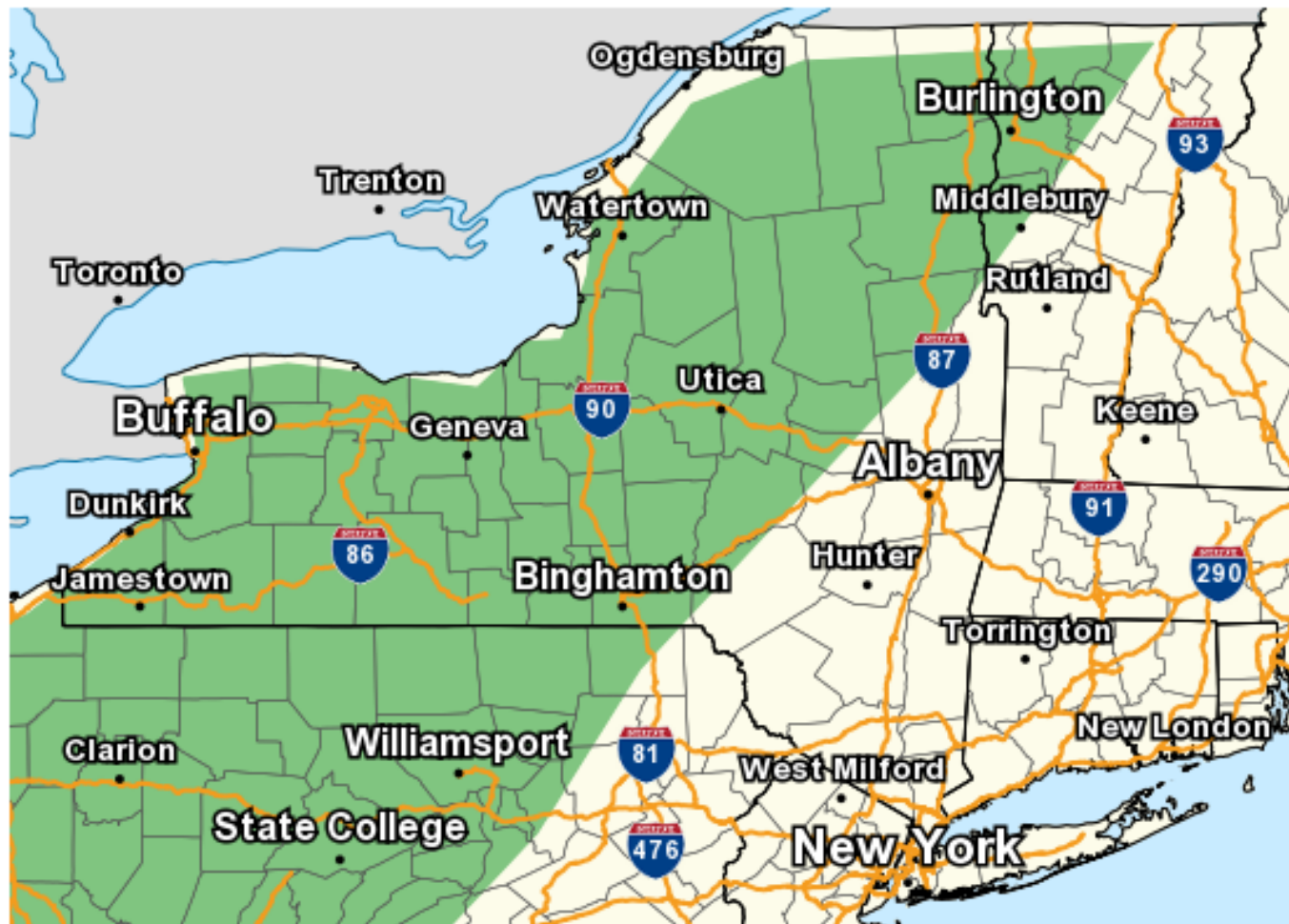


# Excessive Rainfall Outlook for Tuesday



## Day Two Excessive Rainfall Outlook

- Marginal
- Slight
- Moderate
- High



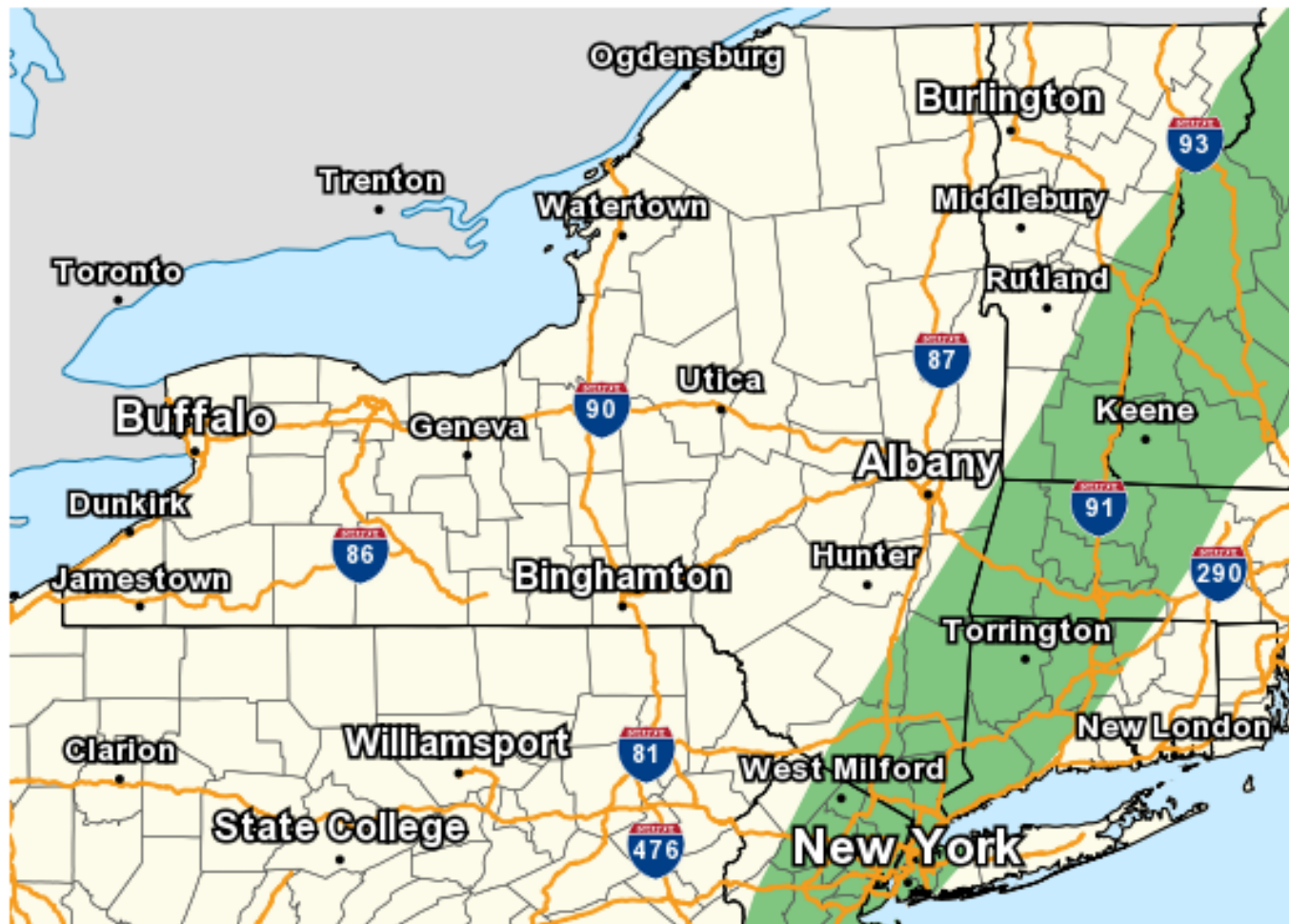
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July 29th, 2019  
5:01 PM EDT

# Excessive Rainfall Outlook for Wednesday



## Day Three Excessive Rainfall Outlook

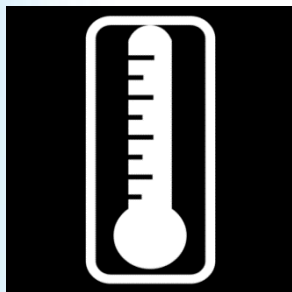
- Marginal
- Slight
- Moderate
- High



Graphic Created  
July 29th, 2019  
5:01 PM EDT



**Heat Advisory** - Issued with 12-36 hours lead time. When the Heat Index, (see attached table on next page) to be between 95F and 99F degrees and last for two or more hours (NY/VT Zones) and two or more days (MA and CT Zones) or 100 to 104 for any duration.



**Excessive Heat Warning** - Issued with 12-36 hours lead time when the National Weather Service expects a daytime Heat Index, (see attached table on next page) of 105F degrees or greater to last for two or more hours.

### Top Tip

When it is hot, wear lightweight, loose-fitting, light-colored clothing to reflect heat and sunlight. Hats are a great way to protect your face and scalp from harmful UV rays if you will be spending time directly in the sunshine. And apply sunscreen liberally. [www.weather.gov/heatsafety](http://www.weather.gov/heatsafety) #HeatSafety #KeepYourCool

## Heat Index


Temperature (°F)

Relative Humidity (%)	Temperature (°F)															
	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	88	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	128	136					
70	83	86	90	95	100	105	112	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

### Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

 Caution

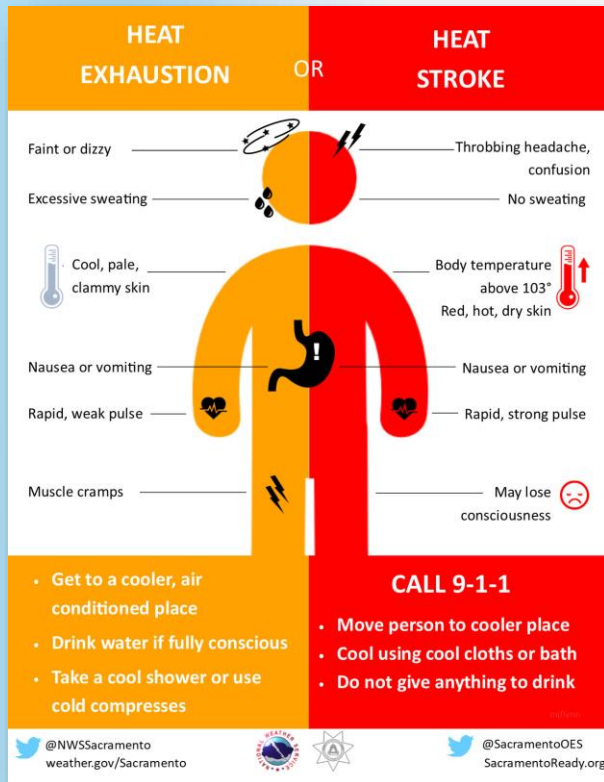
 Extreme Caution

 Danger

 Extreme Danger



## Event Summary



### High Heat Index Values on Tuesday

- Heat Advisory for Capital Region & Mid Hudson Valley
  - Increased risk of heat related illness

### Gusty thunderstorm winds possible late Tuesday into Tuesday Evening

- Mainly areas north/west of the Capital Region
- Thunderstorm winds will be capable of downing trees and power lines

### Locally heavy downpours late Tuesday through Wednesday

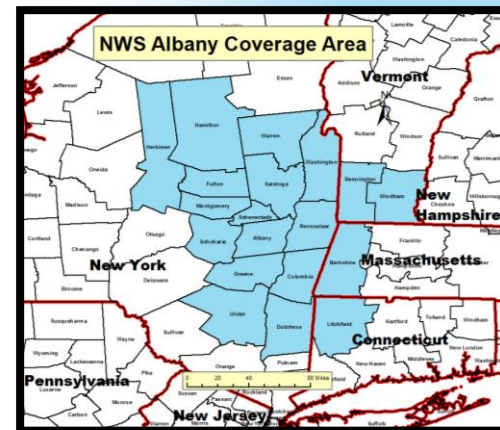
- Minor flooding of urban, poor drainage and low lying areas possible
  - Isolated flash flooding cannot be ruled out

# Contact and Next Briefing Information

## Next Briefing

**When:** By 6 AM on Tuesday, July 30, 2019

**Method:** E-mail



**Web:**

<http://weather.gov/aly>



**E-mail:**

[Alb.stormreport@noaa.gov](mailto:Alb.stormreport@noaa.gov)



**Facebook:**

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**Disclaimer:** The information contained within this briefing is time-sensitive, do not use after 6 AM, Tuesday, July 30, 2019