

# Weather Partnerships and Thresholds and Public Alerting

# Weather Partnerships

- *National Weather Service*
  - 5 WFOs
  - *State Liaison Office: NWS Albany*
  - *Various national centers (WPC, SPC, SWPC, etc.)*
- *NYS Weather Risk Communication Center (NYSWRCC)*
  - *State-funded, based out of UAlbany*
- *NYS Mesonet*

Daily New York State Briefing  
As of 7:00 AM Tuesday, August 27, 2024

**NEW** Important Updates

- There are **Marginal to Slight Risks** of severe thunderstorms across southern and western portions of NYS today and Wednesday.
- A **Heat Advisory** has been issued for NYC, southern portions of the Mid-Hudson, and western portions of Long Island on Wednesday.



## New York State Daily Weather Brief

Monday, August 26 - Sunday, September 1

- **Monday (8/26)**: Scattered showers and storms will impact Eastern NY today. Severe storms are possible in the afternoon but are not expected to be widespread. [Click for more](#)
- **Tuesday (8/27) - Wednesday (8/28)**: Unsettled weather is expected Tuesday night into Wednesday morning. While a break is possible mid-day Wednesday, more severe weather is possible late Wednesday afternoon and evening. Potential hazards include heavy rainfall, damaging wind gusts, and large hail. [Click for more](#)
- **Thursday (8/28) - Friday (8/29)**: Rain may linger across Southern NY Thursday and Friday but most of the state will remain dry with cooler than normal temperatures. [Click for more](#)
- **Saturday (8/30) - Sunday (8/31)**: A weather system will impact NYS on Saturday bringing widespread rain to the state. Rain will clear on Sunday. [Click for more](#)

**CONTENTS IN TODAY'S BRIEF**

- NEW METEOROLOGICAL ADVISORIES
- TODAY'S STORM CHANCES
- 900 MILES OUTLOOK
- EXTENDED OUTLOOK
- NWS TROPICAL STATUS
- WATER BANGING STATUS
- SPACE WEATHER SERVICES
- TODAY'S AIR QUALITY

Questions?  
816-442-7972  
werc@albany.nws.gov

LEAVE US FEEDBACK

Hazards	Mon 8/26/24	Tue 8/27/24	Wed 8/28/24	Thu 8/29/24	Fri 8/30/24	Sat 8/31/24	Sun 9/1/24
Overall							
Rain							
Severe Thunderstorms							
Flooding							
Wind							
Temperature Risk							
Tropical							
Other							
Forecast Confidence	High	High	Medium	Low	Low	Low	Low
Impact Scale Classification	None	Minor	Minor	Minor	Minor	Extreme	

### Long Island Hazards

- A strong storm with a history of large hail (up to 1.50" diameter) is tracking toward Central and Eastern portions of Long Island as of 4:40 pm.

#### Potential Hazards:

- Large hail up to 1.50" diameter
- Damaging wind gusts up to 60 mph
- Localized heavy rainfall up to 1.00"
- Lightning

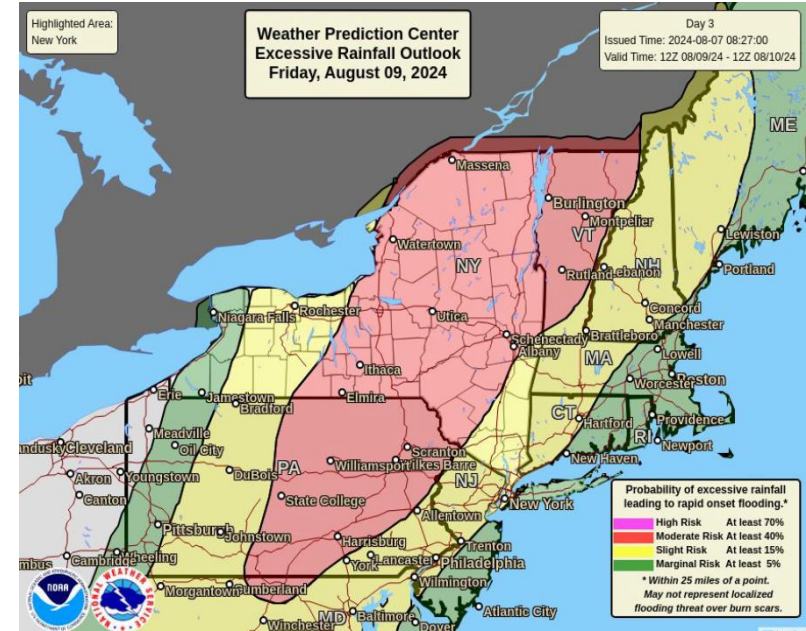
#### Potential Impacts:

- Lowered visibility on roadways
- Vegetation and vehicle damage from large hail
- Downed trees and powerlines from strong wind gusts



# Weather Thresholds for Action

- *Excessive Rainfall Outlook*
  - *Moderate*
- *Severe Weather Outlook*
  - *Enhanced*
- *AQI*
  - *200; 300*
- *Winter Storm Severity Index*
  - *Major; Extreme*
- *HeatRisk*
  - *Major; Extreme*



STATE ACTIONS AND CONSIDERATIONS – FORECAST THERSHOLDS

	THRESHOLD	SOURCE	PUBLIC INFORMATION	MAC CALL, STATE AGENCY INFO SHARING	COUNTY EM INFO SHARING	STATE RESPONSE POSTURE
FORECAST THERSHOLDS	Excessive Rainfall Outlook • Slight	WPC	<ul style="list-style-type: none"> <li>Social media messaging</li> </ul>	<ul style="list-style-type: none"> <li>Routine info sharing through SWC</li> </ul>	<ul style="list-style-type: none"> <li>OEM regional staff monitoring</li> </ul>	<ul style="list-style-type: none"> <li>SWC monitoring and storm-specific real-time thresholds established if different than routine</li> </ul>
		WPC	<ul style="list-style-type: none"> <li>Social media messaging</li> <li>Governor press conference and/or TV/radio</li> <li>Governor press release</li> <li>SWC sends NY-Alert</li> </ul>	<ul style="list-style-type: none"> <li>Conduct MAC Call.</li> <li>Consider agency statements of readiness and reporting</li> </ul>	<ul style="list-style-type: none"> <li>OEM Regional Staff outreach to county EMs.</li> <li>Consider regional <a href="#">reporting</a></li> <li>Consider State &amp; County call with impacted counties.</li> </ul>	Queue State OEM/SEOC Worksheets to consider: <ul style="list-style-type: none"> <li>SWC increased staffing.</li> <li>SEOC activation.</li> <li>Change in stockpile <a href="#">operations</a></li> <li>Pre-staging State assets and/or teams.</li> </ul>
	Severe Weather Outlook • Slight	SPC	<ul style="list-style-type: none"> <li>Social media messaging</li> </ul>	<ul style="list-style-type: none"> <li>Routine info sharing through SWC</li> </ul>	<ul style="list-style-type: none"> <li>OEM regional staff monitoring</li> </ul>	<ul style="list-style-type: none"> <li>SWC monitoring and storm-specific real-time thresholds established if different than routine</li> </ul>
		SPC	<ul style="list-style-type: none"> <li>Social media messaging</li> <li>Governor press conference and/or TV/radio</li> <li>Governor press release</li> <li>SWC sends NY-Alert</li> </ul>	<ul style="list-style-type: none"> <li>Conduct MAC Call.</li> <li>Consider agency statements of readiness and reporting</li> </ul>	<ul style="list-style-type: none"> <li>OEM Regional Staff outreach to county EMs.</li> <li>Consider regional <a href="#">reporting</a></li> <li>Consider State &amp; County call with impacted counties.</li> </ul>	Queue State OEM/SEOC Worksheets to consider: <ul style="list-style-type: none"> <li>SWC increased staffing.</li> <li>SEOC activation.</li> <li>Change in stockpile <a href="#">operations</a></li> <li>Pre-staging State assets and/or teams.</li> </ul>
	Winter Storm Severity index • Major	WPC	<ul style="list-style-type: none"> <li>Social media messaging</li> </ul>	<ul style="list-style-type: none"> <li>Routine info sharing through SWC</li> </ul>	<ul style="list-style-type: none"> <li>OEM regional staff monitoring</li> </ul>	<ul style="list-style-type: none"> <li>SWC monitoring and storm-specific real-time thresholds established if different than routine</li> </ul>
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	HeatRisk • Major	WPC	<ul style="list-style-type: none"> <li>Social media messaging</li> </ul>	<ul style="list-style-type: none"> <li>Routine info sharing through SWC</li> </ul>	<ul style="list-style-type: none"> <li>OEM regional staff monitoring</li> </ul>	<ul style="list-style-type: none"> <li>SWC monitoring and storm-specific real-time thresholds established if different than routine</li> </ul>
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	Air Quality Index • 200	DEC	<ul style="list-style-type: none"> <li>SWC sends DEC forecast info to counties and <a href="#">regions</a></li> <li>Social media messaging.</li> <li>Consider Gov press release</li> </ul>	<ul style="list-style-type: none"> <li>Consider MAC <a href="#">call</a></li> <li>Consider agency statements of readiness and reporting</li> </ul>	<ul style="list-style-type: none"> <li>OEM Regional Staff outreach to county EMs.</li> <li>Consider regional <a href="#">reporting</a></li> <li>Consider State &amp; County call with impacted counties.</li> </ul>	<ul style="list-style-type: none"> <li>Consider increased staffing in SWC for monitoring of <a href="#">AirNow</a>.</li> </ul>
		DEC	<ul style="list-style-type: none"> <li>SWC sends DEC forecast info to counties and <a href="#">regions</a></li> <li>Governor press conference and/or TV/radio</li> <li>Governor press release</li> <li>Social media messaging</li> </ul>	<ul style="list-style-type: none"> <li>Conduct MAC Call.</li> <li>Consider agency statements of readiness and reporting</li> </ul>	<ul style="list-style-type: none"> <li>OEM Regional Staff outreach to county EMs.</li> <li>Consider regional <a href="#">reporting</a></li> <li>Consider State &amp; County call with impacted counties.</li> </ul>	Queue State OEM/SEOC Worksheets to consider: <ul style="list-style-type: none"> <li>SWC increased staffing.</li> <li>SEOC activation.</li> <li>Change in stockpile <a href="#">operations</a></li> <li>Pre-staging State assets and/or teams.</li> </ul>
• 300	DEC	<ul style="list-style-type: none"> <li>SWC sends DEC forecast info to counties and <a href="#">regions</a></li> <li>Governor press conference and/or TV/radio</li> <li>Governor press release</li> <li>Social media messaging</li> </ul>	<ul style="list-style-type: none"> <li>Conduct MAC Call.</li> <li>Consider agency statements of readiness and reporting</li> </ul>	<ul style="list-style-type: none"> <li>OEM Regional Staff outreach to county EMs.</li> <li>Consider regional <a href="#">reporting</a></li> <li>Consider State &amp; County call with impacted counties.</li> </ul>	Queue State OEM/SEOC Worksheets to consider: <ul style="list-style-type: none"> <li>SWC increased staffing.</li> <li>SEOC activation.</li> <li>Change in stockpile <a href="#">operations</a></li> <li>Pre-staging State assets and/or teams.</li> </ul>	

STATE ACTIONS AND CONSIDERATIONS – REAL-TIME THRESHOLDS

	THRESHOLD	SOURCE	PUBLIC INFORMATION	MAC CALL, STATE AGENCY INFO SHARING	COUNTY EM INFO SHARING	STATE RESPONSE POSTURE
REAL-TIME THRESHOLDS	Flash Flood Warning • Basic  • Considerable  • Catastrophic (aka Flash Flood Emergency)	NWS WFO	• Social media messaging	• Routine SWC notifications	• OEM Regional staff outreach to county EMs • Consider regional reporting	• If SEOC not activated, consider exec presence in SWC
		NWS WFO	• Social media messaging	• Flag for DHSES Exec and Chamber	• OEM Regional staff outreach to County EMs • Consider regional reporting	• If SEOC not activated, consider exec presence in SWC or SEOC activation depending upon impacts
		NWS WFO	• Social media messaging • Governor statement	• Flag for DHSES Exec and Chamber	• OEM Regional staff outreach to county EMs. • Consider regional reporting	• If SEOC not activated, consider exec presence in SWC or SEOC activation depending upon impacts
	Tornado Warning	NWS WFO	• Social media messaging • Governor statement	• Flag for DHSES Exec and Chamber • Consider DOT <a href="#">outreach</a> • Potential DPS outreach if outages	• OEM Regional staff outreach to county EMs. • Consider regional reporting	• If SEOC not activated, consider exec presence in <a href="#">SWC</a> • If tornado confirmed, consider SEOC activation depending upon impacts
	1.5" of rain or more per hour or 3" of rain or more in 3 hours	NWS product, NWS Spotter reports, NYSWRCC product, OR <a href="#">Mesonet</a>	• Social media messaging • Consider NY-Alerts and WEAs as <a href="#">needed</a>	• Flag for DHSES Exec and Chamber • Consider DOT <a href="#">outreach</a> • Potential DPS outreach if outages	• OEM Regional staff outreach to county EMs. • Consider regional reporting requirements.	• If SEOC not activated, consider exec presence in SWC or SEOC activation depending upon <a href="#">impacts</a> • Consider swift water resource availability
	3" of snow or more per hour	NWS product, NWS spotter reports, NYSWRCC Product, OR <a href="#">Mesonet</a>	• Social media messaging • Consider NY-Alerts and WEAs for any state travel bans, or as <a href="#">needed</a>	• Flag for DHSES Exec and Chamber • Consider DOT <a href="#">outreach</a> • Potential DPS outreach based on power outages	• OEM Regional staff outreach to county EMs. • Consider regional reporting requirements.	• If SEOC not activated, consider exec presence in SWC or SEOC activation depending upon <a href="#">impacts</a> • Consider state travel bans in coordination with DOT/Thruway • Consider search and rescue availability
	More than .5" of ice	NWS product, NWS spotter report, NYSWRCC product, OR <a href="#">Mesonet</a>	• Social media messaging • Consider NY-Alerts and WEAs as <a href="#">needed</a>	• Flag for DHSES Exec and Chamber • Consider DOT <a href="#">outreach</a> • Potential DPS outreach based on power outages	• OEM Regional staff outreach to county EMs. • Consider regional reporting requirements.	• If SEOC not activated, consider exec presence in SWC or SEOC activation depending upon <a href="#">impacts</a> • Consider state travel bans in coordination with DOT/Thruway
	Wind Gusts of 60 mph or greater	<a href="#">Mesonet</a>	• Social media messaging • Consider NY-Alerts and WEAs as <a href="#">needed</a>	• Flag for DHSES Exec and Chamber • Potential DPS outreach based on power outages	• OEM Regional staff outreach to county EMs. • Consider regional reporting requirements.	• If SEOC not activated, consider exec presence in SWC or SEOC activation depending upon impacts
	<a href="#">AirNow</a> Value of 300+	<a href="#">AirNow</a>	• Social media messaging • At 300 for 1 hour, SWC sends WEA to area	• Flag for DHSES Exec and Chamber • Consult with DEC	• OEM Regional staff outreach to county EMs. • Consider regional reporting requirements.	• If SEOC not activated, consider exec presence in SWC or SEOC activation depending upon impacts




# WEA Thresholds/Templates

Warning Type	NWS TAG	90 Character Message	360 Character Message
Snow Squall	Significant	Snow Squall Waning til 10:15AM EST. Sudden whiteouts. Icy roads. Slow down! NWS	National Weather Service: Snow Squall Warning until 10:15AM EST. Slow down or delay travel! Be ready for a sudden drop to near zero visibility and icy roads in heavy snow.
Severe Thunderstorm	Destructive	NWS: DESTRUCTIVE WINDSTORM in this area til 12:15PM CDT. Take shelter now. Check media.	National Weather Service: SEVERE THUNDERSTORM WARNING in effect for this area until 12:15PM TZDT for DESTRUCTIVE softball size hail and 80 mph winds. Take shelter in a sturdy building, away from windows. People and animals outdoors will be severely injured.  National Weather Service: SEVERE THUNDERSTORM WARNING in effect for this area until 12:15PM TZDT for DESTRUCTIVE 80 mph winds. Take shelter in a sturdy building, away from windows. Flying debris may be deadly to those caught without shelter.  National Weather Service: SEVERE THUNDERSTORM WARNING in effect for this area until 12:15PM TZDT for DESTRUCTIVE baseball size hail. Take shelter in a sturdy building away from windows. People and animals outdoors will be severely injured.
Flash Flood	Considerable	NWS: FLASH FLOOD WARNING this area til 11:00AM CST. Avoid flooded areas.	National Weather Service: A FLASH FLOOD WARNING is in effect for this area until 6:00AM EDT. This is an extremely dangerous life-threatening situation. Do not attempt to travel unless you are fleeing an area subject to flowing or under an evacuation order.
Flash Flood Emergency	Catastrophic	NWS: FLASH FLOOD EMERGENCY this area til 11:00AM EDT. Avoid flooded areas.	National Weather Service: A FLASH FLOOD EMERGENCY is in effect for this area until 6:00 AM EDT. This is a dangerous and life-threatening situation. Do not attempt to travel unless you are fleeing an area subject to flooding or under an evacuation order.
Tornado		NWS: TORNADO WARNING in this area til 12:15PM CST. Take shelter now. Check media.	National Weather Service: TORNADO WARNING in this area until 12:15PM CST. Take shelter now in a basement or an interior room on the lowest floor of a sturdy building. If you are outdoors, in a mobile home, or in a vehicle, move to the closet substantial shelter and protect yourself from flying debris. Check media.
Hurricane		NWS: HURRICANE WARNING in this area. Check media and local authorities.	National Weather Service: A HURRICANE (TYPHOON) WARNING is in effect for this area for dangerous and damaging winds. This warning is issued up to 36 hours before hazardous conditions begin. Urgently complete efforts to protect life and property. Have food, water, cash, fuel, and medications of 3+ days. FOLLOW INSTRUCTIONS FROM LOCAL OFFICIALS.
Storm Surge		NWS: Life-threatening STORM SURGE danger. FOLLOW THE INSTRUCTIONS OF LOCAL OFFICIALS.	National Weather Service: A STORM SURGE WARNING is in effect for this area for the danger of life-threatening flooding. This warning is issued up to 36 hours before hazardous conditions begin. Urgently complete efforts to protect life and property. Follow evacuation orders if given for this area to avoid drowning or being cut off from emergency services.
Extreme Wind		NWS: EXTREEME WIND WARNING this area til 11:15AM EDT. Take shelter now.	National Weather Service: AN EXTREME WIND WARNING is in effect for this area for the immediate danger of life-threatening winds til 11:15 AM EST. Take cover NOW in an interior room of a sturdy building, away from windows. Protect your head from flying debris. Do NOT go out in the calm of the hurricane eye! Winds will quickly become dangerous again.

31 87° 86° 6:44

## Emergency Alerts

Emergency alert: Severe Aug 2, 5:06 PM


 **Emergency alert:**  
**Severe**  
**Aug 2, 4:47 PM**

National Weather Service:  
SEVERE THUNDERSTORM  
WARNING in effect for this area  
until 5:30 PM CDT for  
DESTRUCTIVE 80 mph winds.  
Take shelter in a sturdy building,  
away from windows. Flying debris  
may be deadly to those caught  
without shelter.

OK

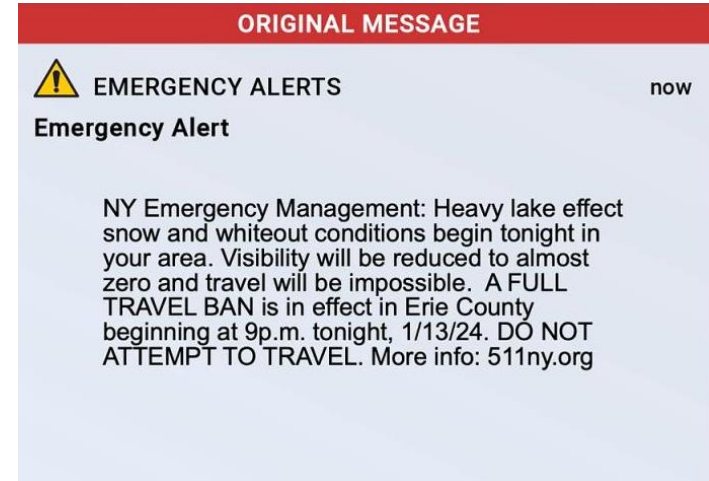
Emergency alert: Extreme Apr 7, 4:50 PM  
GO HOME. STAY HOME. TRAVEL ONLY FOR WORK.

Child abduction (AMB Oct 5, 2024)



# WEA Thresholds/Templates

- *Travel Bans*
- *AQI over 300 for 1 hour or more*
- *Prolonged extreme heat wave*
- *Other recent examples:*
  - *Earthquake*
  - *Proactive river gauge flood warning for Essex County*
  - *Travel Restriction for St. Lawrence County*



# Thank You

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