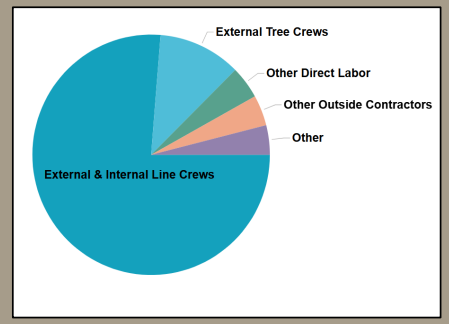
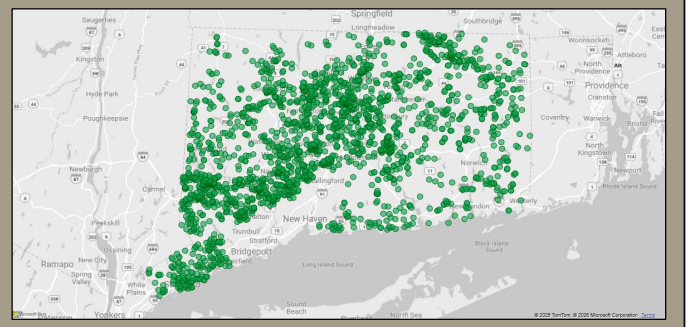
MN24Q – Tropical Storm / Heat – Event Matrix Level N/A – June 21, 2024

Minor Storm 24Q impacted much of the service territory of Connecticut.

Storm Costs

Category	Amount
Internal & External Line Crews	$6,867,183
External Tree Crews	$1,013,367
Other Outside Contractors	$370,529
Other Direct Labor	$395,249
Other	$357,274
Storm Total*	$9,003,602

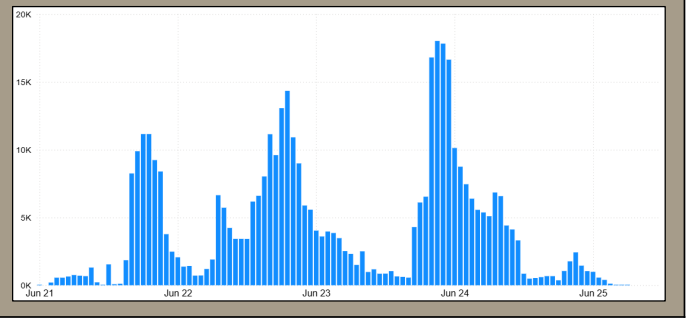




Storm Statistics

Outage Events	Non-Outage Events	Total Events	Total Customers	Cost Per Event
1,506	1,112	2,618	119,310	$3,439

Customer Restoration Curve



Event Level Matrix (ELM) Level N/A

ELM Measure	Expectation	Actual
Trouble Spots	N/A	2,618
Line Resources	N/A	306

FPS Events

FPS Type	# of Events
FPS 1	8
FPS 2	264
FPS 3	228

*Amounts may not add due to rounding.

CL&P Storm Prudency

Heat and Thunderstorm Event: June 18-24, 2024

Synopsis – Overview

This period saw a strong heat ridge build over the eastern US and over New England. Temperatures became excessive along with high dewpoints, and created oppressive ambient temperatures and heat indices. All three of the NWS Forecast Offices covering CT issued several heat advisories, air quality alerts, excessive heat watches and warnings, as well as severe thunderstorm watches and warnings as needed during this period. By June 22nd, the heat ridge began to breakdown, yielding to weak frontal positions to enter the New England region and initiating convection. Accordingly, a few thunderstorms grazed the very northern most part of the state on June 20th, but the primary thunderstorm event was from the 21st to the 23rd when CT experienced some strong thunderstorms each day, moving west to east. A cold front finally passed oer CT by the 24th and significantly reduced temperatures and humidity

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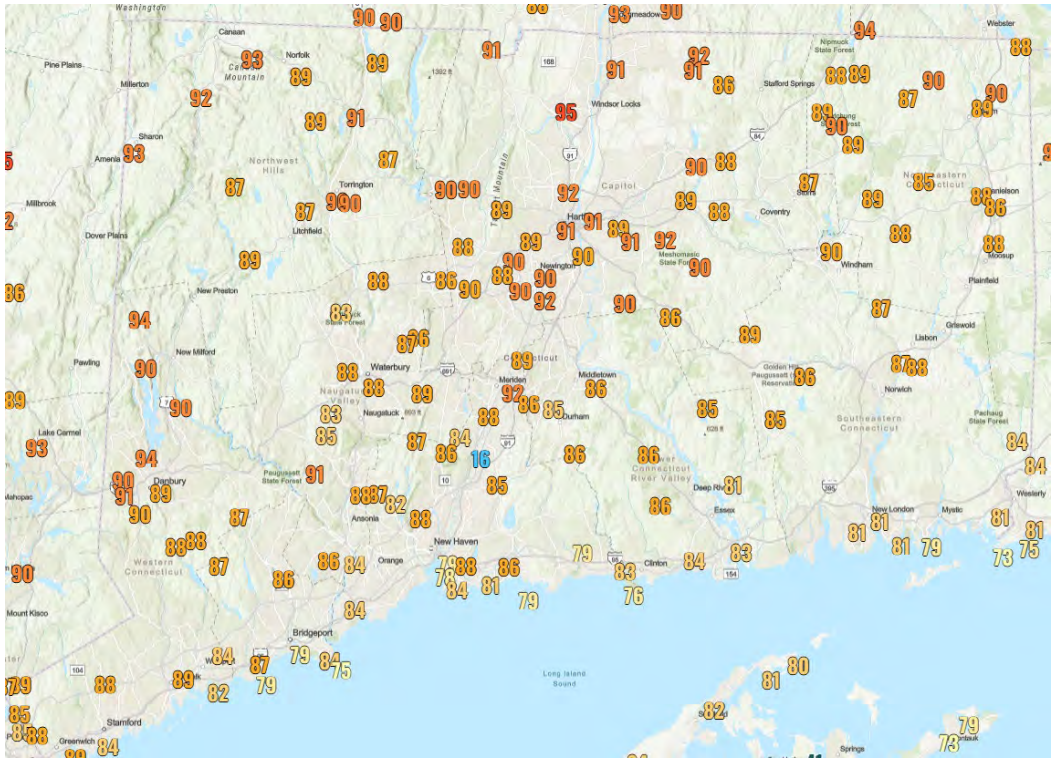
D. Scerbo, Meteorologist

June 18-24 2024: Heat and Thunderstorm Event

June 18th Observed Total # of Trouble Events for CT: 69



Map: NWS Weather and Hazards Data Viewer

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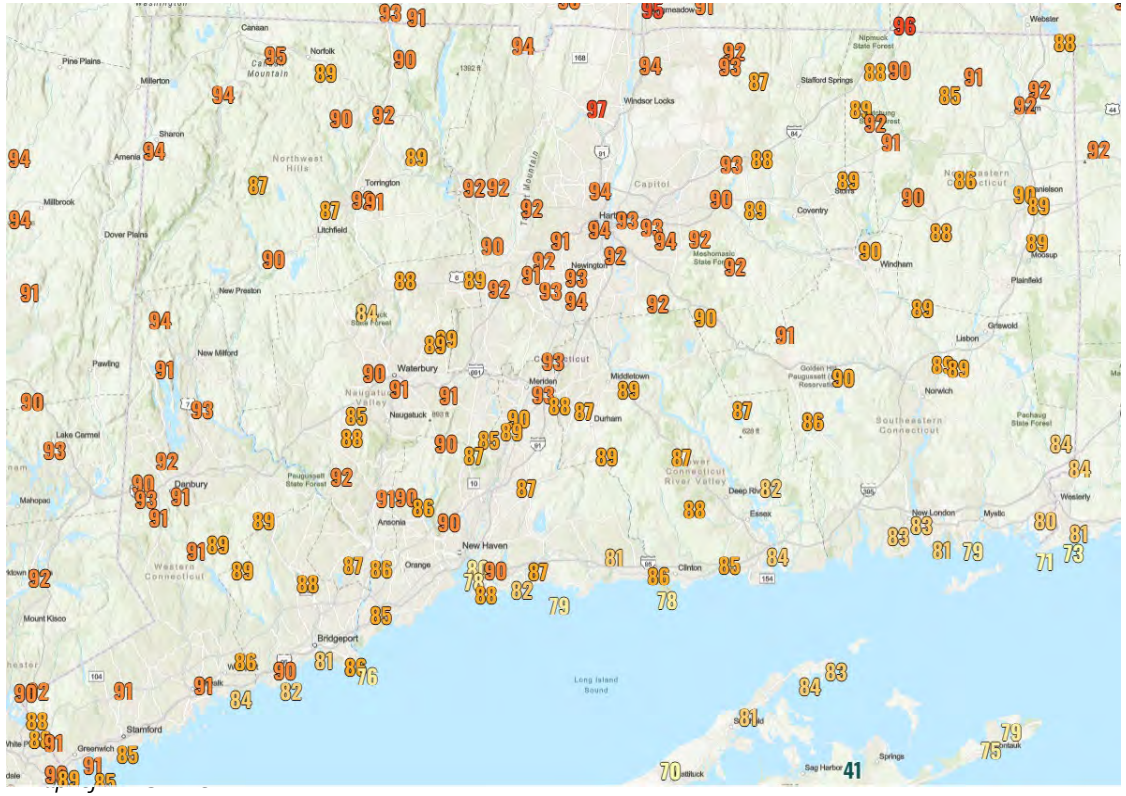
June 18-24 2024: Heat and Thunderstorm Event

June 19th Observed Total # of Trouble Events for CT: 60



Map: NWS Weather and Hazards Data Viewer

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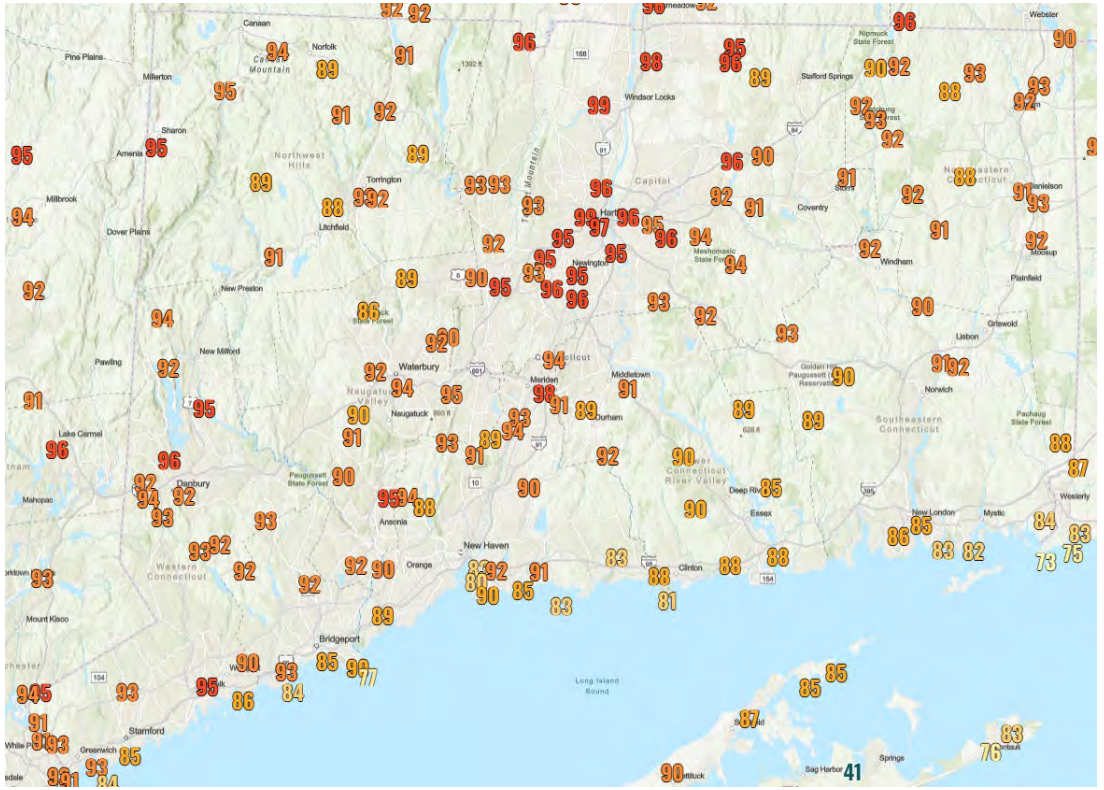
June 18-24 2024: Heat and Thunderstorm Event

June 20th Observed Total # of Trouble Events for CT: 92



Map: NWS Weather and Hazards Data Viewer

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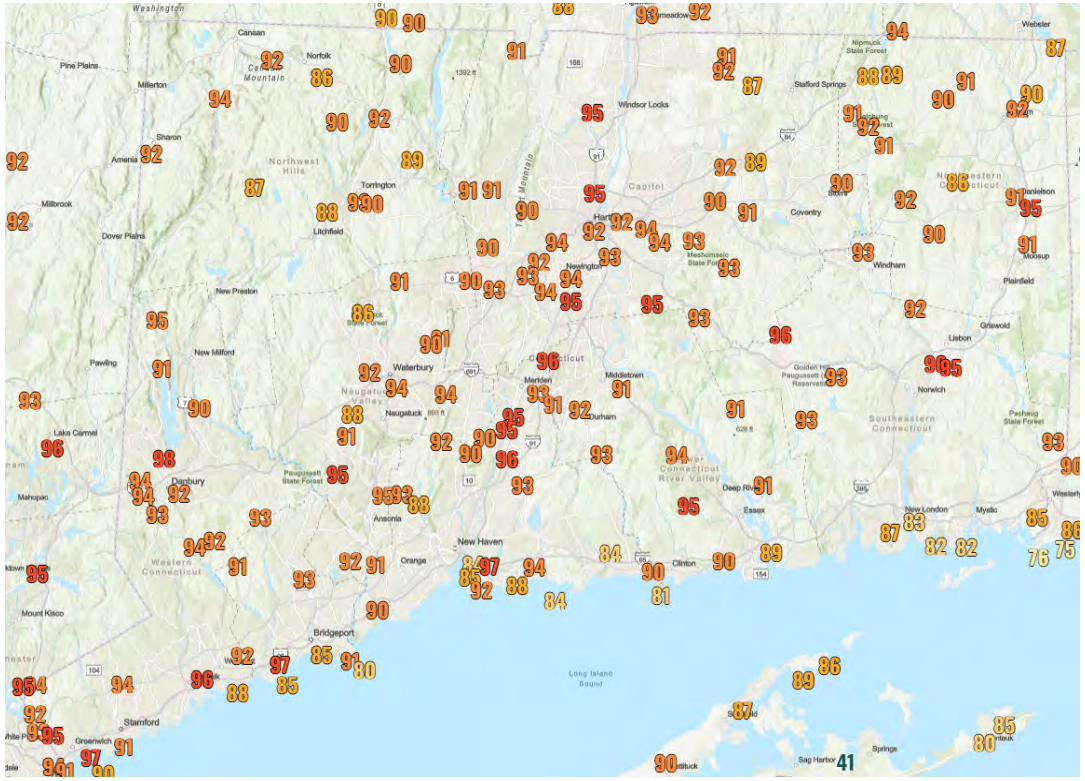
June 18-24 2024: Heat and Thunderstorm Event

June 21st Observed Total # of Trouble Events for CT: 260



Map: NWS Weather and Hazards Data Viewer

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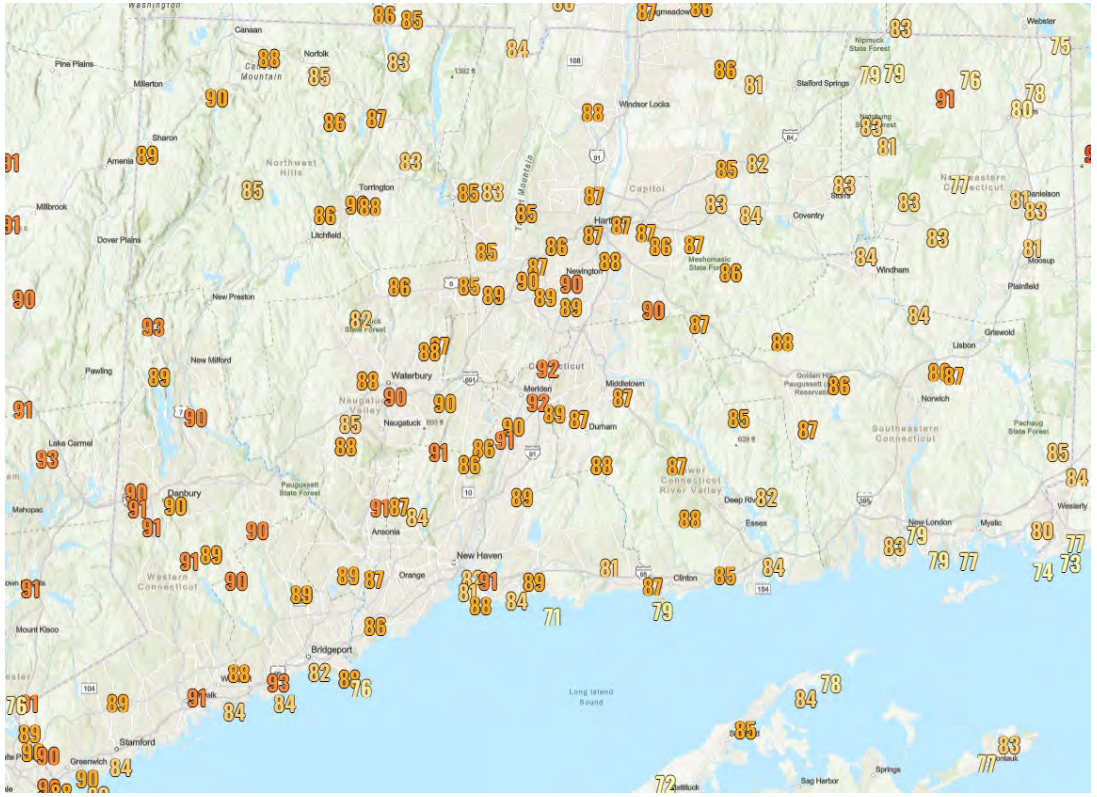
June 18-24 2024: Heat and Thunderstorm Event

June 22nd Observed Total # of Trouble Events for CT: 376



Map: NWS Weather and Hazards Data Viewer

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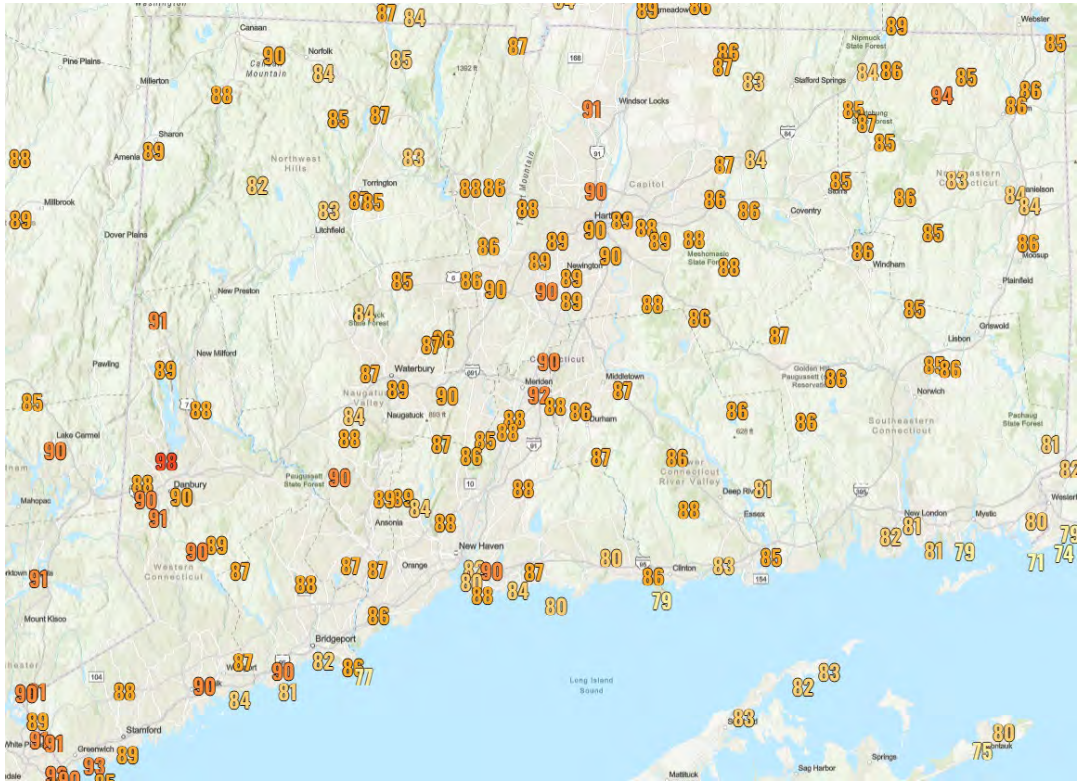
June 18-24 2024: Heat and Thunderstorm Event

June 23rd Observed Total # of Trouble Events for CT: 382



Map: NWS Weather and Hazards Data Viewer

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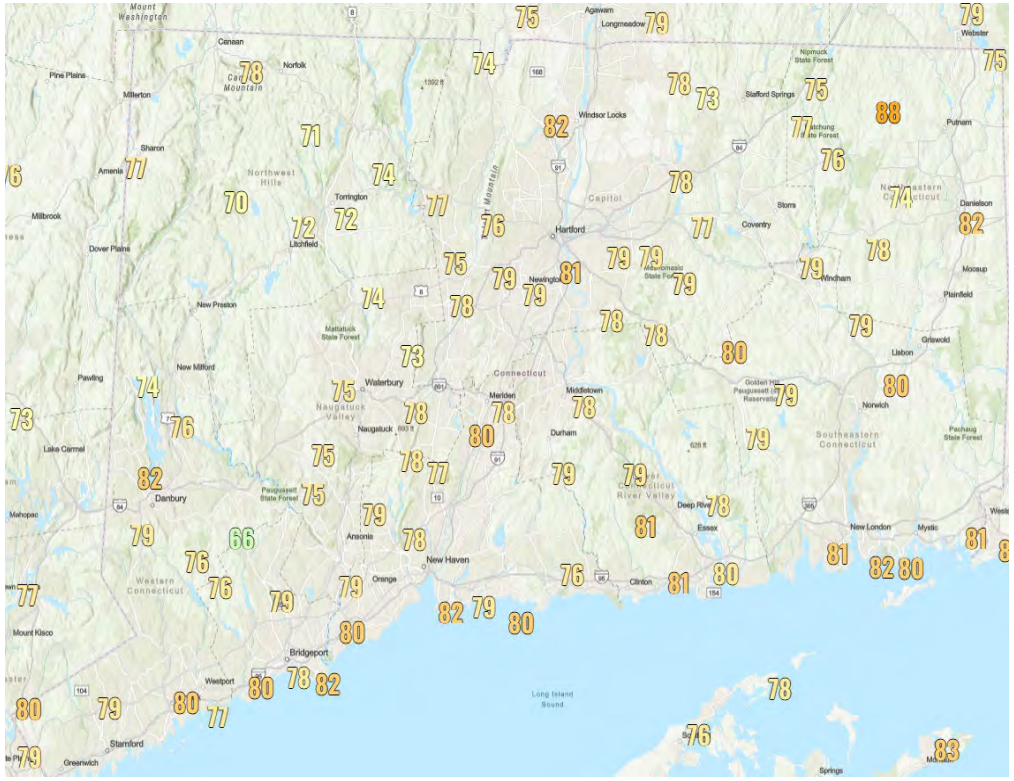
June 18-24 2024: Heat and Thunderstorm Event

June 24th Observed Total # of Trouble Events for CT: 192



Map: NWS Weather and Hazards Data Viewer

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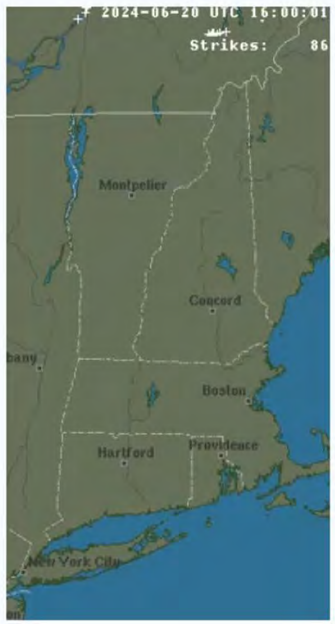
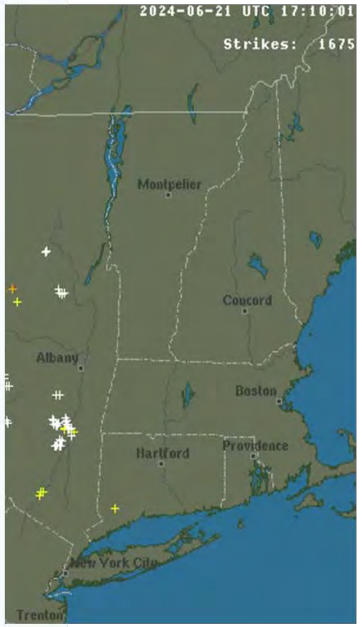
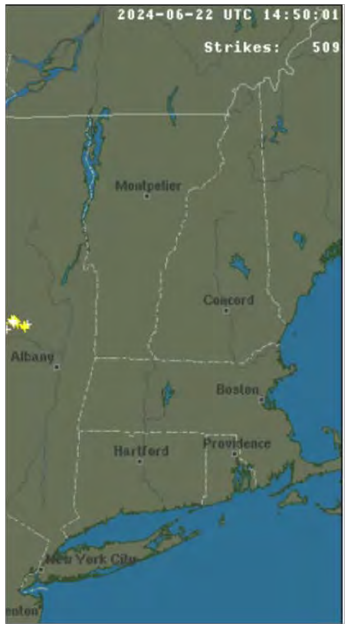
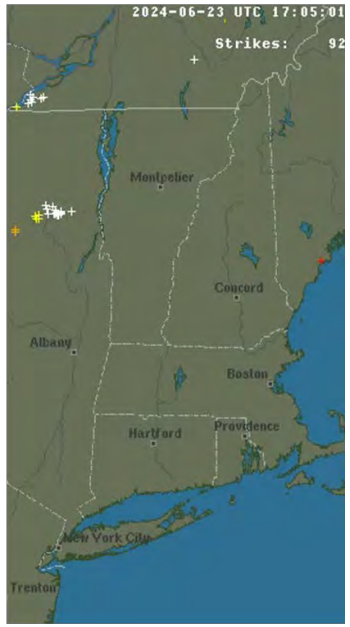
Observed Lightning Strikes June 20th – 23rd (click on map to loop the video)

June 20 **June 21** **June 22** **June 24**









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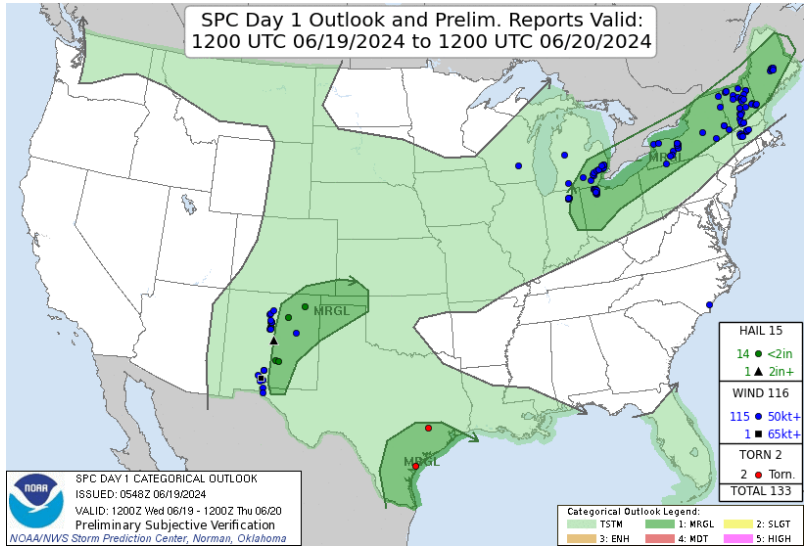
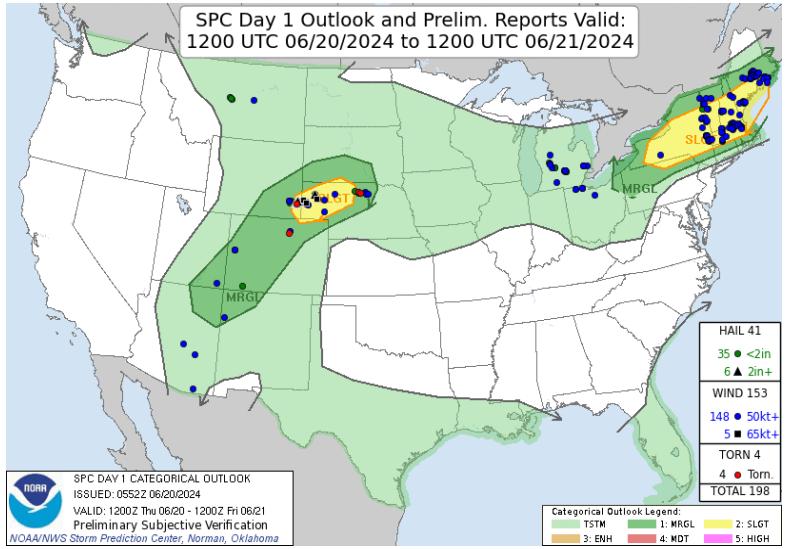
Lightning Strikes, SPC Categorical, SPC Storm reports

SPC Categorical and Verification





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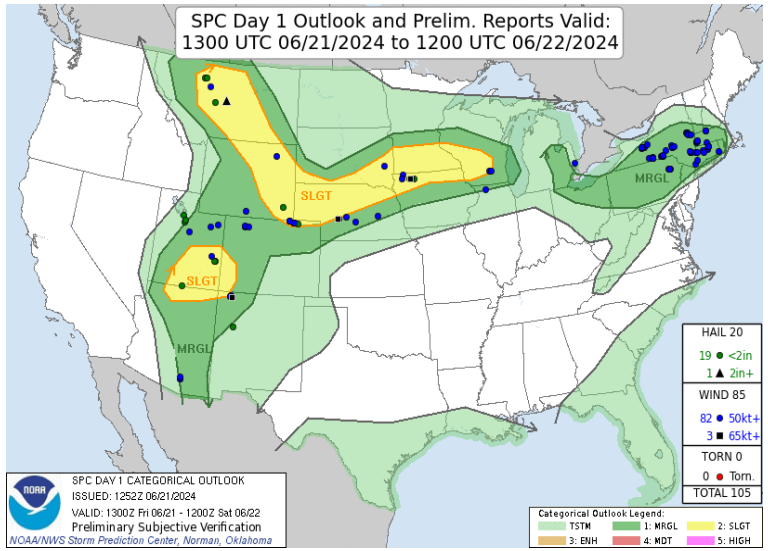
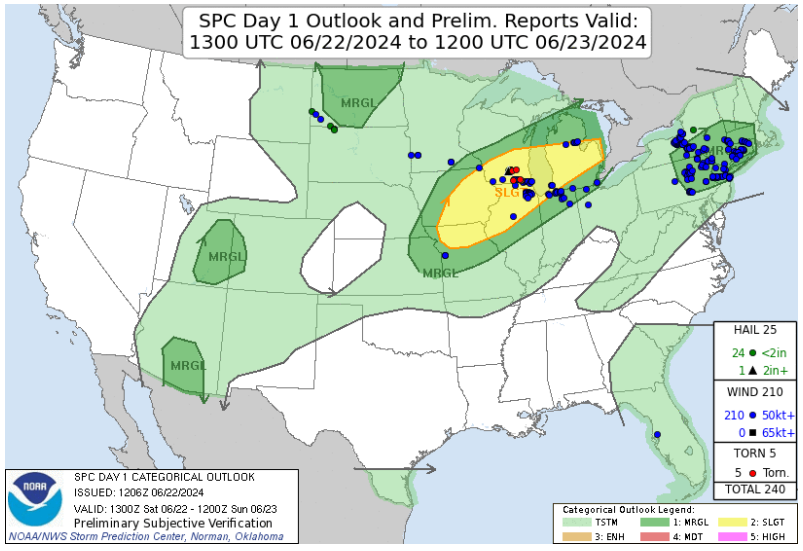
Lightning Strikes, SPC Categorical, SPC Storm reports

SPC Categorical and Verification





NOAA Storm Events Database

NOAA NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Storm Events Database

Search Results for All Counties in Connecticut

All Available Event Types

Due to changes in the methods used by the NWS to spatially locate Waterspouts, please query by state (FL, TX, VA, etc) for Jan 1996 through Sep 2001. Beginning October 2001, please query by Marine Zone (N. Atlantic, S Atlantic, Gulf of Mexico, S Pacific, N. Pacific, Alaskan Waters, Hawaiian Waters, Great Lakes, etc) using the drop-down box for "State/Area".

23 events were reported on 06/23/2024

Summary Info:

Number of County/Zone areas affected:	8
Number of Days with Event:	1
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	1
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	2

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag
Totals:							
SOUTHERN LITCHFIELD (ZON...	SOUTHERN LITCHFIELD (ZON...	CT	06/23/2024	11:00	EST-5	Heat	
KENT	LITCHFIELD CO.	CT	06/23/2024	15:51	EST-5	Thunderstorm Wind	50 kts. EG
COLLINSVILLE	HARTFORD CO.	CT	06/23/2024	16:30	EST-5	Thunderstorm Wind	50 kts. EG
HAYDENS	HARTFORD CO.	CT	06/23/2024	17:05	EST-5	Thunderstorm Wind	50 kts. EG
TOLLAND	TOLLAND CO.	CT	06/23/2024	17:20	EST-5	Thunderstorm Wind	50 kts. EG
MILL PLAIN	FAIRFIELD CO.	CT	06/23/2024	18:33	EST-5	Thunderstorm Wind	60 kts. EG
RIDGEFIELD	FAIRFIELD CO.	CT	06/23/2024	18:38	EST-5	Thunderstorm Wind	60 kts. EG
GERMANTOWN	FAIRFIELD CO.	CT	06/23/2024	18:38	EST-5	Thunderstorm Wind	60 kts. EG
DANBURY	FAIRFIELD CO.	CT	06/23/2024	18:38	EST-5	Thunderstorm Wind	60 kts. EG
LANESVILLE	LITCHFIELD CO.	CT	06/23/2024	18:42	EST-5	Thunderstorm Wind	50 kts. EG
NEWTOWN	FAIRFIELD CO.	CT	06/23/2024	18:47	EST-5	Thunderstorm Wind	60 kts. EG
OXFORD	NEW HAVEN CO.	CT	06/23/2024	19:00	EST-5	Thunderstorm Wind	60 kts. EG
PINE BRIDGE	NEW HAVEN CO.	CT	06/23/2024	19:00	EST-5	Thunderstorm Wind	60 kts. EG
UNION CITY	NEW HAVEN CO.	CT	06/23/2024	19:00	EST-5	Thunderstorm Wind	60 kts. EG
PINE BRIDGE	NEW HAVEN CO.	CT	06/23/2024	19:03	EST-5	Thunderstorm Wind	60 kts. EG
SEYMOUR	NEW HAVEN CO.	CT	06/23/2024	19:03	EST-5	Thunderstorm Wind	60 kts. EG
LAKESIDE	NEW HAVEN CO.	CT	06/23/2024	19:03	EST-5	Thunderstorm Wind	60 kts. EG
SOUTHINGTON	HARTFORD CO.	CT	06/23/2024	19:10	EST-5	Thunderstorm Wind	50 kts. EG
BROOKSVALE	NEW HAVEN CO.	CT	06/23/2024	19:10	EST-5	Thunderstorm Wind	60 kts. EG
CENTERVILLE	NEW HAVEN CO.	CT	06/23/2024	19:15	EST-5	Thunderstorm Wind	60 kts. EG
WESTFIELD	MIDDLESEX CO.	CT	06/23/2024	19:23	EST-5	Thunderstorm Wind	60 kts. EG
EAST HAMPTON	MIDDLESEX CO.	CT	06/23/2024	19:31	EST-5	Thunderstorm Wind	50 kts. EG
MONTVILLE	NEW LONDON CO.	CT	06/23/2024	20:10	EST-5	Thunderstorm Wind	50 kts. EG

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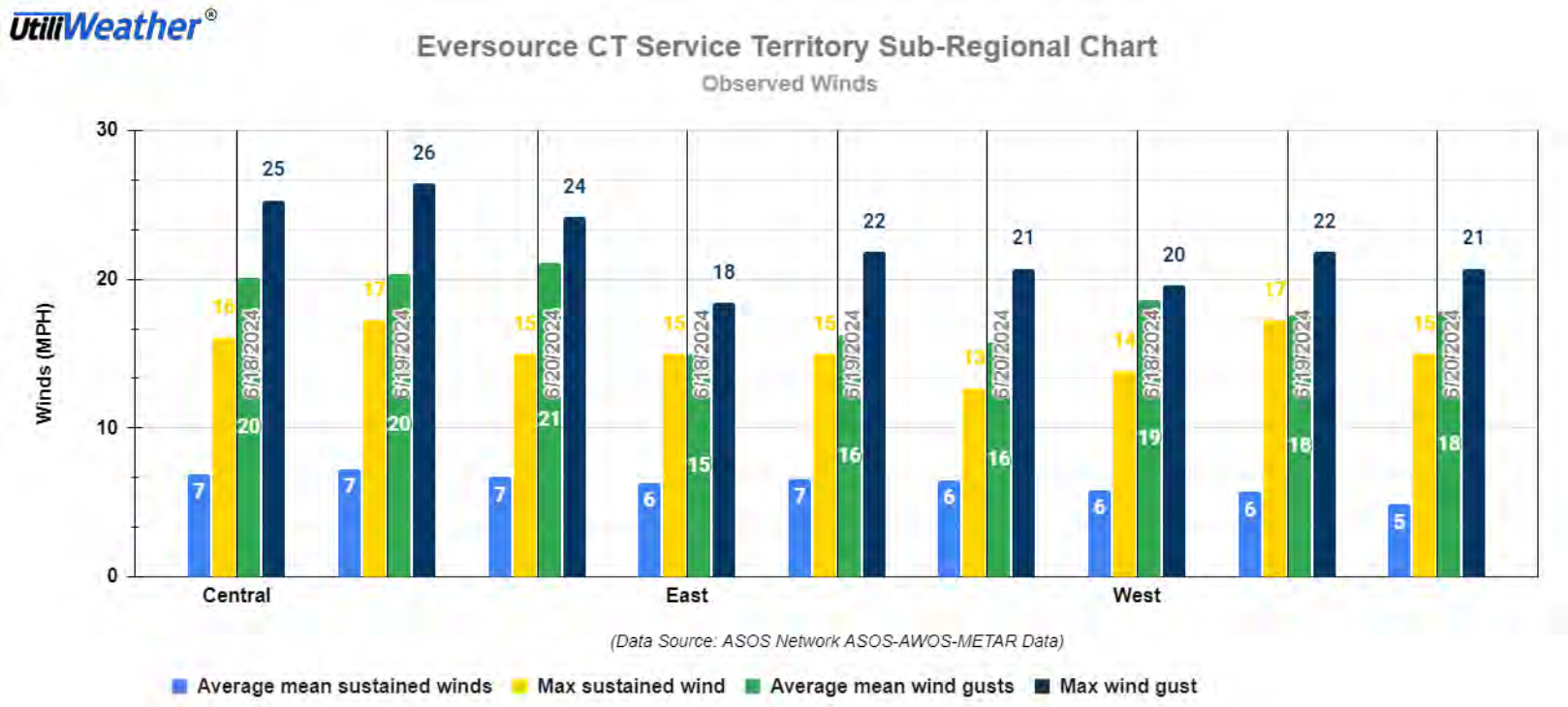
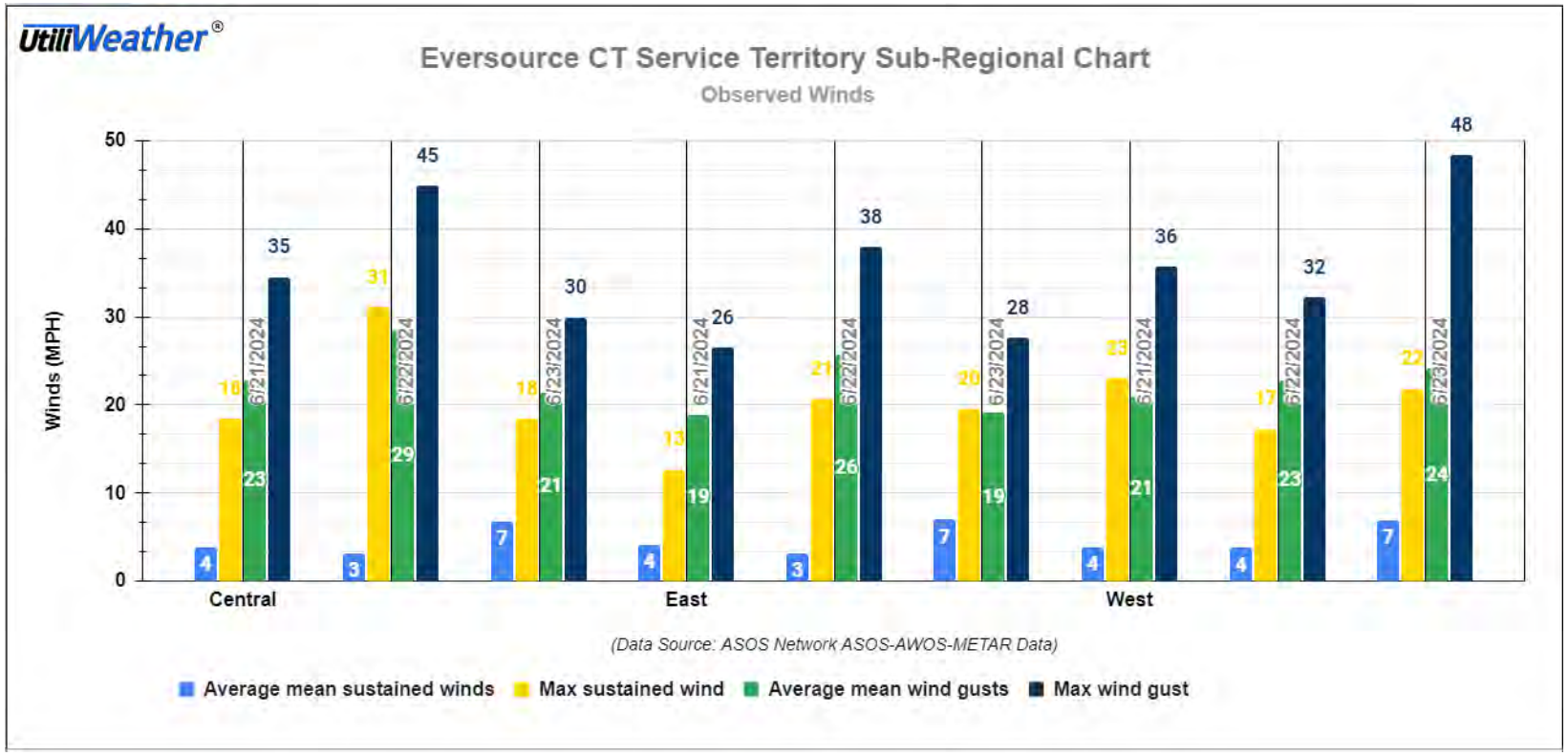
Wind Profiles



Wind Profiles



EXTREME HEAT EXPECTED THIS WEEK

JUNE 17TH 4:00 PM UPDATE

Connecticut Department of Emergency Services & Public Protection
Division of Emergency Management & Homeland Security

Governor Ned Lamont
Ronnell A. Higgins, Commissioner
Brenda M. Bergeron, Deputy Commissioner
William H. Turner III, Director

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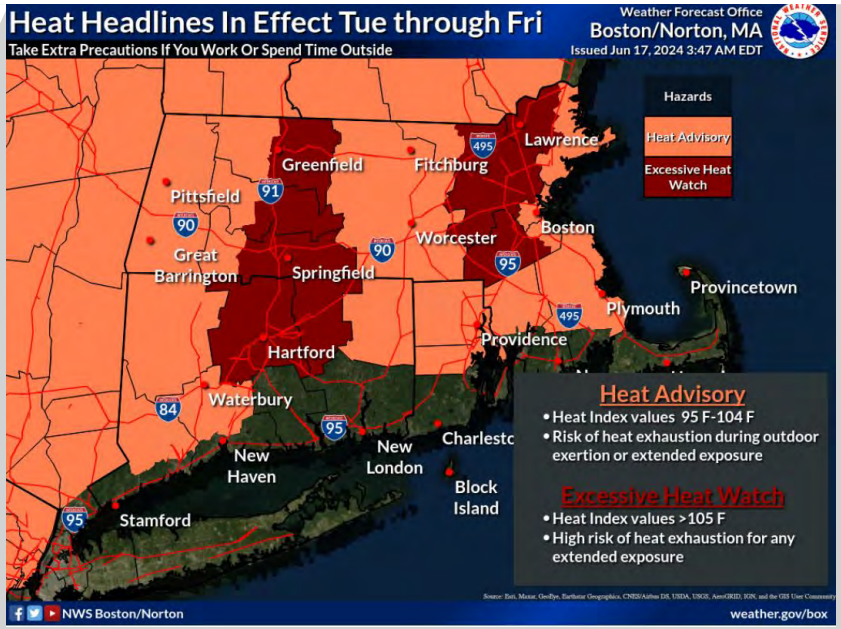
NWS ALERTS



- A Heat Advisory is in effect for all of northern CT and interior Fairfield and New Haven counties.
- An Excessive Heat Watch is in effect for Hartford and Tolland counties for extreme heat possible Wednesday and Thursday.

INLAND CT FORECAST

(NWS FORECAST FOR HARTFORD AREA)

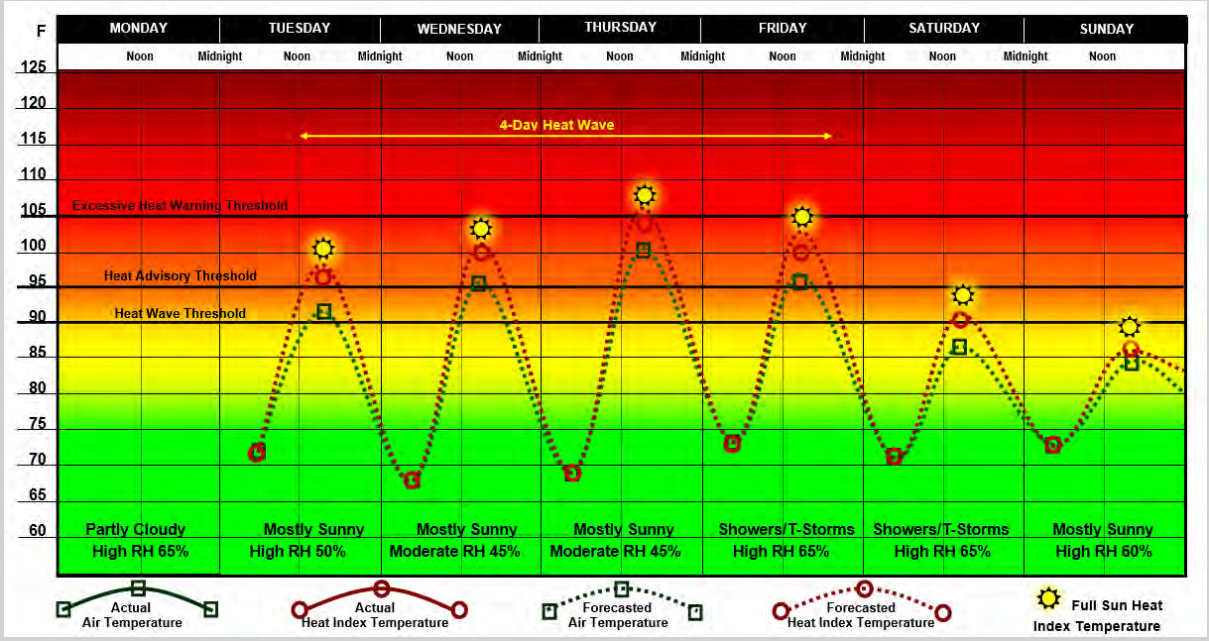
DAY	MAX TEMP (°F)	MAX HEAT INDEX (°F)
TUESDAY	93°	98°
WEDNESDAY	96°	102°
THURSDAY	99°	105°
FRIDAY	96°	103°
SATURDAY	89°	90°
SUNDAY	87°	88°

COASTAL CT FORECAST

(NWS FORECAST FOR NEW HAVEN AREA)

DAY	MAX TEMP (°F)	MAX HEAT INDEX (°F)
TUESDAY	88°	90°
WEDNESDAY	90°	92°
THURSDAY	92°	95°
FRIDAY	93°	98°
SATURDAY	89°	90°
SUNDAY	87°	88°

TEMP / HEAT INDEX GRAPH



DESPP/DEMHS

- A Heat Wave will impact the state from Tuesday through Friday. This heat wave will be accompanied by a very moist air mass which will result in extreme heat index values of 105 to 110 degrees during the Wednesday/Thursday timeframe.
- Persons working or conducting other activities outside this week should use extreme caution in these conditions, including first responders. The very young, elderly and persons with respiratory illness are the most susceptible to heat stroke as well as pets.
- **If your town opens a cooling center, please indicate its status on the Web EOC Daily Operations Incident.**
- Please contact your regional coordinator for any state assistance if needed.

The Department of Emergency Services and Public Protection, Division of Emergency Management and Homeland Security will continue to monitor this heat wave. The next update will be sent out at 8:00 AM Wednesday.

Governor Ned Lamont
Ronnell A. Higgins, Commissioner
Brenda M. Bergeron, Deputy Commissioner
William H. Turner III, Director

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HEAT WAVE UPDATE

JUNE 19TH 8:00 AM UPDATE

Connecticut Department of Emergency Services & Public Protection
Division of Emergency Management & Homeland Security

Governor Ned Lamont
Ronnell A. Higgins, Commissioner
Brenda M. Bergeron, Deputy Commissioner
William H. Turner III, Director

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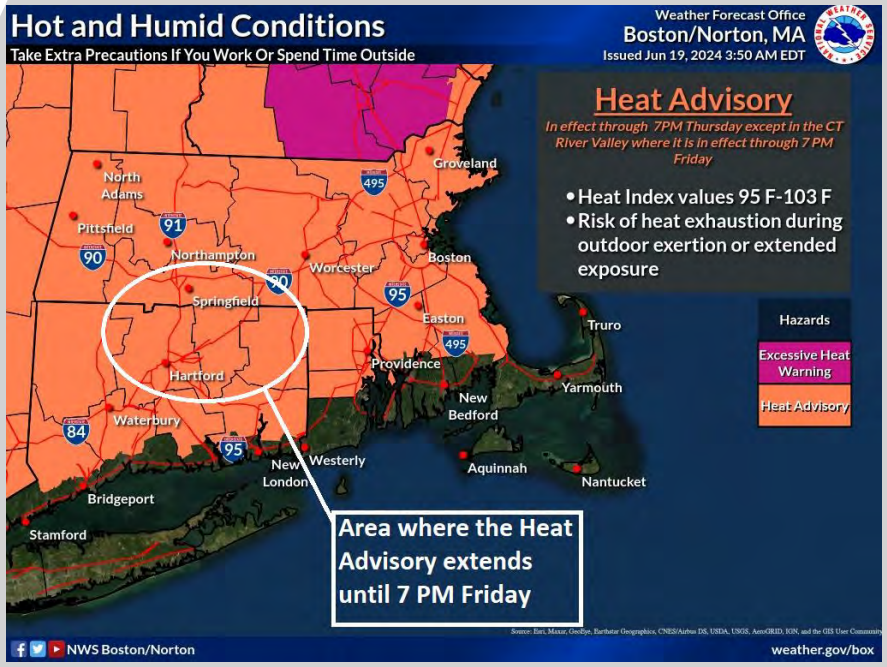
HEAT WAVE UPDATE

- Tuesday marked the first day of a possible four (4) day heat wave with recorded temperatures in the Hartford area reaching the low 90s and heat indices reaching the middle to upper 90s.
- The peak of the heat wave will occur on Wednesday and Thursday when heat indices could exceed 100 degrees.
- Persons working or conducting other activities outside this week should use extreme caution in these conditions, including first responders. The very young, elderly and persons with respiratory illness are the most susceptible to heat stroke as well as pets.
- **Please continue to update your towns cooling center status on the Web EOC Daily Operations Incident.**
- Please contact your regional coordinator for any state assistance if needed.

NWS ALERTS



- A Heat Advisory is in effect for all of interior Connecticut for heat index values of 95F – 103F.
- The Heat Advisory is in effect through 7PM Thursday for most of CT with the exception of the CT River Valley where the advisory will extend through 7PM Friday.

INLAND CT FORECAST

(NWS FORECAST FOR HARTFORD AREA)

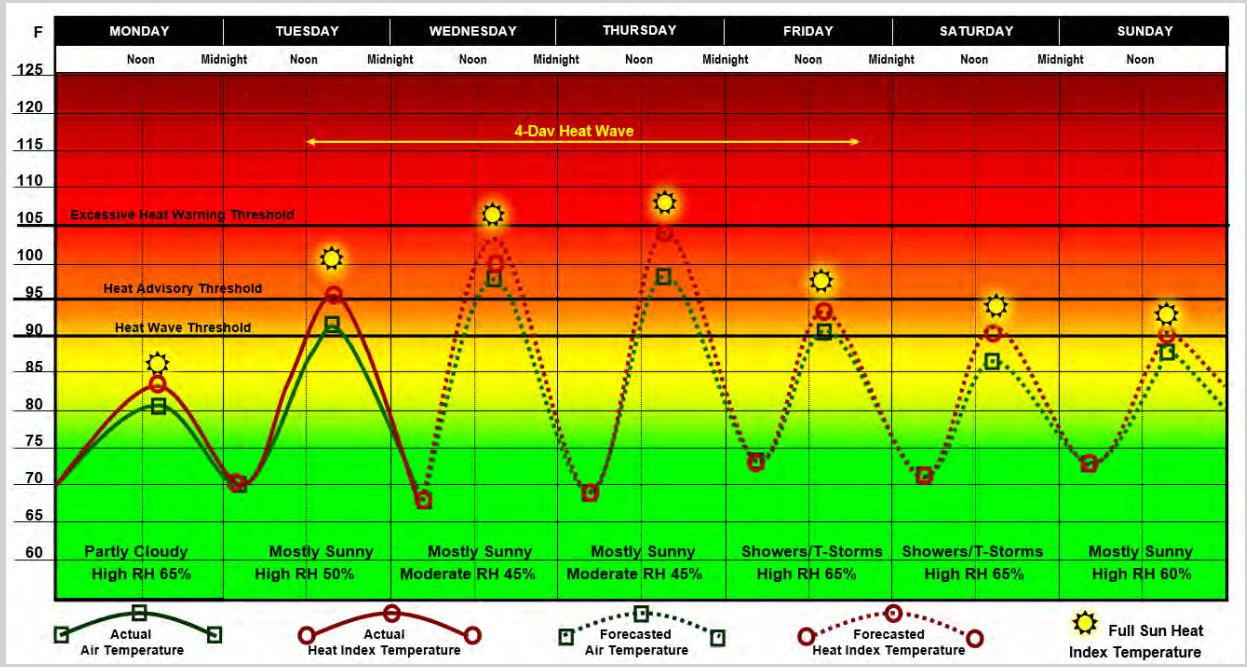
DAY	MAX TEMP (°F)	MAX HEAT INDEX (°F)
WEDNESDAY	94°	100°
THURSDAY	96°	103°
FRIDAY	89°	93°
SATURDAY	85°	85°
SUNDAY	89°	91°

COASTAL CT FORECAST

(NWS FORECAST FOR NEW HAVEN AREA)

DAY	MAX TEMP (°F)	MAX HEAT INDEX (°F)
WEDNESDAY	84°	89°
THURSDAY	87°	92°
FRIDAY	85°	89°
SATURDAY	82°	82°
SUNDAY	86°	91°

TEMP / HEAT INDEX GRAPH



The Department of Emergency Services and Public Protection, Division of Emergency Management and Homeland Security will continue to monitor this heat wave. This is the final scheduled update.

Governor Ned Lamont
Ronnell A. Higgins, Commissioner
Brenda M. Bergeron, Deputy Commissioner
William H. Turner III, Director

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