From: Filipiak, Brian <brian.filipiak@UCONN.EDU>

Sent on: Tuesday, June 30, 2026 11:53:58 AM

To: OPM_EVERSOURCE-L@LISTSERV.UCONN.EDU

Subject: OPM Trouble Spot Prediction: July 1st-2nd 2026

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Dear Eversource Management,

A 24-hour trouble spot prediction, valid for the heat and possible thunderstorms on Wednesday, through 8am Thursday, July 2nd, 2026, is available.

Wednesday will be the start of the hottest days this week in Northeast with many inland areas having temperatures approach 100F (and the heat index will be closer to 110). This will likely create more strain on the grid with these record temperatures. As of now, the period of very high temperatures over the region is expected to peak Thursday and Friday, while likely lingering into Saturday. Subsequent outage forecasts will be made for these days as necessary. Additionally, there is a marginal risk for severe thunderstorms over WMA and NH; currently, not many widespread storms are expected, but any storms that do develop will likely be able to produce damaging wind gusts. Due to the uncertainty in storm coverage and the exact impacts of the record temperatures on the electric grid, there is significantly more uncertainty than normal with this forecast.

CT: https://dpm.engr.uconn.edu/events/5092

WM: https://dpm.engr.uconn.edu/events/5093

EM: https://dpm.engr.uconn.edu/events/5094

NH: https://dpm.engr.uconn.edu/events/5095

The summary table for all the territories is show below:

******* As a reminder, Trouble Spots (TS) are defined as an event that impacts >=1 customer and lasts for >=5 minutes ********

Territory	Rain (in)	Max Air Temperature (F)	Recommended TS
CT	0-1	90-95+	150-300
WMA	0-1	90-100	25-50
EMA	0-1	Boston 95-100 Cape 80-90	30-60
NH	0-1	North 90-95 South 95-100+	140-280

And the probability table is shown below:

Trouble spots	0-30	30-70	70-150	150-300	300-500	500-750	750-1500	1500-5000	>5000
CT	0%	10%	25%	35%	25%	5%	0%	0%	0%
WMA	45%	40%	15%	0%	0%	0%	0%	0%	0%
EMA	30%	50%	20%	0%	0%	0%	0%	0%	0%
NH	0%	15%	25%	35%	25%	0%	0%	0%	0%

Best,

Brian Filipiak

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Brian Filipiak

PhD Candidate

School of Civil and Environmental Engineering

University of Connecticut

Office: Innovation Partnership Building 212

Website

From: Filipiak, Brian <brian.filipiak@UCONN.EDU>

Sent on: Wednesday, July 1, 2026 11:38:45 AM

To: OPM_EVERSOURCE-L@LISTSERV.UCONN.EDU

Subject: OPM Trouble Spot Prediction: July 2nd-3rd 2026

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Dear Eversource Management,

A 24-hour trouble spot prediction, valid for the heat and isolated thunderstorms on Thursday, through 8am Friday, July 3rd, 2026, is available. Thursday will be one of the hottest days this week as temperatures across the interior Northeast will approach and exceed 100F. The area of concern for temperatures greater than 100F will be the CT River Valley in Northern CT and WMA, as well as far SE NH and the suburban Boston area in EMA.

In terms of thunderstorms, the coverage is expected to be less than Tuesday or Wednesday with most of the strongest storms limited to Northern NH. However, due to the conditions present, any thunderstorms that do develop have severe potential with damaging wind gusts being the main hazard. As with the last forecast, and future forecasts in this period, the biggest source of uncertainty is the exact response of the grid to the extreme temperatures. With this being a period of prolonged heat, it can be difficult to pinpoint the exact threshold/conditions that would cause problems to the grid.

CT: https://dpm.engr.uconn.edu/events/5096

WM: https://dpm.engr.uconn.edu/events/5097

EM: https://dpm.engr.uconn.edu/events/5098

NH: https://dpm.engr.uconn.edu/events/5099

The summary table for all the territories is show below:

******* As a reminder, Trouble Spots (TS) are defined as an event**

that impacts >=1 customer and lasts for >=5 minutes ******

Territory	Rain (in)	Max Air Temperature (F)	Recommended TS
CT	0-1	95-100+	200-400
WMA	0-1	95-102	30-60
EMA	0-1	Boston 95-102 Cape 85-90	50-100
NH	0-1	North 90-95 South 95-102	150-300

And the probability table is shown below:

Trouble spots	0-30	30-70	70-150	150-300	300-500	500-750	750-1500	1500-5000	>5000
CT	0%	5%	15%	30%	30%	15%	5%	0%	0%
WMA	40%	40%	18%	2%	0%	0%	0%	0%	0%
EMA	25%	40%	30%	5%	0%	0%	0%	0%	0%
NH	0%	10%	25%	35%	25%	5%	0%	0%	0%

Best,

Brian Filipiak

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From: Filipiak, Brian <brian.filipiak@UCONN.EDU>

Sent on: Thursday, July 2, 2026 12:57:50 PM

To: OPM_EVERSOURCE-L@LISTSERV.UCONN.EDU

Subject: OPM Trouble Spot Prediction: July 3rd-4th 2026

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Dear Eversource Management,

A 24-hour trouble spot prediction, valid for the heat and thunderstorms on Friday, through 8am Saturday, July 4th, 2026, is available. Temperatures will again be near peak values on Friday with several areas approaching 100F including SW CT, the CT River Valley area in Northern CT and WMA, Boston area in EMA, and SE NH. The same uncertainty applies from the previous days for the impacts to the grid; with this being such a period of prolonged heat, it can be difficult to pinpoint the exact threshold/conditions that would cause problems to the grid.

Unlike Thursday, there is more of a severe thunderstorm threat. Given the environment, any storms that form could develop and become severe, but the region's most likely to see strong thunderstorms would be in Western CT (focused over Fairfield County). Strong to damaging wind gusts would be the main impact with these storms.

CT: https://dpm.engr.uconn.edu/events/5100

WM: https://dpm.engr.uconn.edu/events/5101

EM: https://dpm.engr.uconn.edu/events/5102

NH: https://dpm.engr.uconn.edu/events/5103

The summary table for all the territories is show below:

******* As a reminder, Trouble Spots (TS) are defined as an event**

that impacts >=1 customer and lasts for >=5 minutes ******

Territory	Rain (in)	Max Air Temperature (F)	Recommended TS
CT	0-1	95-100+	150-300
WMA	0-1	95-102	20-40
EMA	0	Boston 95-102 Cape 90-95	40-80
NH	0	North 85-95 South 95-100	55-110

And the probability table is shown below:

Trouble spots	0-30	30-70	70-150	150-300	300-500	500-750	750-1500	1500-5000	>5000
CT	0%	0%	15%	45%	30%	10%	0%	0%	0%
WMA	45%	35%	20%	0%	0%	0%	0%	0%	0%
EMA	20%	50%	30%	0%	0%	0%	0%	0%	0%
NH	0%	25%	40%	30%	5%	0%	0%	0%	0%

Best,

Brian Filipiak

_____

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From: Filipiak, Brian <brian.filipiak@UCONN.EDU>

Sent on: Friday, July 3, 2026 1:28:48 PM

To: OPM_EVERSOURCE-L@LISTSERV.UCONN.EDU

Subject: OPM Trouble Spot Prediction: July 4-5th 2026

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Dear Eversource Management,

A 24-hour trouble spot prediction, valid for the heat and thunderstorms on Saturday, through 8am Sunday, July 5th, 2026, is available. Saturday will trend cooler compared to yesterday and today. A cold front will bring some relief to most of the region, but portions of central and SW CT, and EMA will still see max temperatures above 95F. Good news is that max temperatures will decrease on Sunday, and by Monday, temperatures will broadly be back around normal.

As for thunderstorm potential, the strongest and most impactful storms will generally pass to the SW of CT. A few stronger storms are possible across SW and Coastal CT, but there won't be widespread storms. The main threat with these storms is damaging thunderstorm wind gusts, which will likely be isolated.

CT: https://dpm.engr.uconn.edu/events/5104

WM: https://dpm.engr.uconn.edu/events/5105

EM: https://dpm.engr.uconn.edu/events/5106

NH: https://dpm.engr.uconn.edu/events/5107

The summary table for all the territories is show below:

******* As a reminder, Trouble Spots (TS) are defined as an event**

that impacts >=1 customer and lasts for >=5 minutes ******

Territory	Rain (in)	Max Air Temperature (F)	Recommended TS
CT	0-1	90-100	100-200
WMA	0-1	85-95	15-30
EMA	0-1	90-100	25-50
NH	0-1	North 80-90 South 90-95	35-70

And the probability table is shown below:

Trouble spots	0-30	30-70	70-150	150-300	300-500	500-750	750-1500	1500-5000	>5000
CT	0%	20%	45%	30%	5%	0%	0%	0%	0%
WMA	60%	35%	5%	0%	0%	0%	0%	0%	0%
EMA	40%	45%	15%	0%	0%	0%	0%	0%	0%
NH	25%	55%	20%	0%	0%	0%	0%	0%	0%

Best,

Brian Filipiak

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From: Filipiak, Brian <brian.filipiak@UCONN.EDU>

Sent on: Sunday, July 5, 2026 1:54:47 PM

To: OPM_EVERSOURCE-L@LISTSERV.UCONN.EDU

Subject: OPM Trouble Spot Prediction: July 5-7th 2026

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Dear Eversource Management,

A 48-hour trouble spot prediction, valid for rain on Monday and Tuesday, through 8pm Tuesday, July 7th, 2026, is available. Following the severe storms yesterday, a significant period of rainfall will take place starting late Sunday night and last into Tuesday. A front will stay relatively stationary over the region, creating a long duration rainfall event. Totals across CT are expected between 2-4 inches, but locally higher totals are possible. WMA and EMA will fall on the edges of this system, so there will be sharp gradients between the southern (closer to or higher than 2 inches) and northern portions (closer to 1 inch) of each territory. Overall, the gusts are expected to exceed 30mph, but the combinations of conditions may hamper restoration efforts, particularly in CT.

CT: https://dpm.engr.uconn.edu/events/5108

WM: https://dpm.engr.uconn.edu/events/5109

EM: https://dpm.engr.uconn.edu/events/5110

NH: https://dpm.engr.uconn.edu/events/5111

The summary table for all the territories is show below:

******* As a reminder, Trouble Spots (TS) are defined as an event**

that impacts >=1 customer and lasts for >=5 minutes ******

Territory	Rain (in)	Wind Gusts (mph)	TS Prediction	Recommended TS
CT	2-4	20-30	73-111	70-140
WMA	1-2+	20-30	10-14	15-30
EMA	1-2.5	20-30	31-39	20-40
NH	0-1	20-30	29-39	20-40

And the probability table is shown below:

Trouble spots	0-30	30-70	70-150	150-300	300-500	500-750	750-1500	1500-5000	>5000
CT	0%	30%	45%	20%	5%	0%	0%	0%	0%
WMA	80%	20%	0%	0%	0%	0%	0%	0%	0%
EMA	55%	40%	5%	0%	0%	0%	0%	0%	0%
NH	55%	40%	5%	0%	0%	0%	0%	0%	0%

Best,

Brian Filipiak

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