



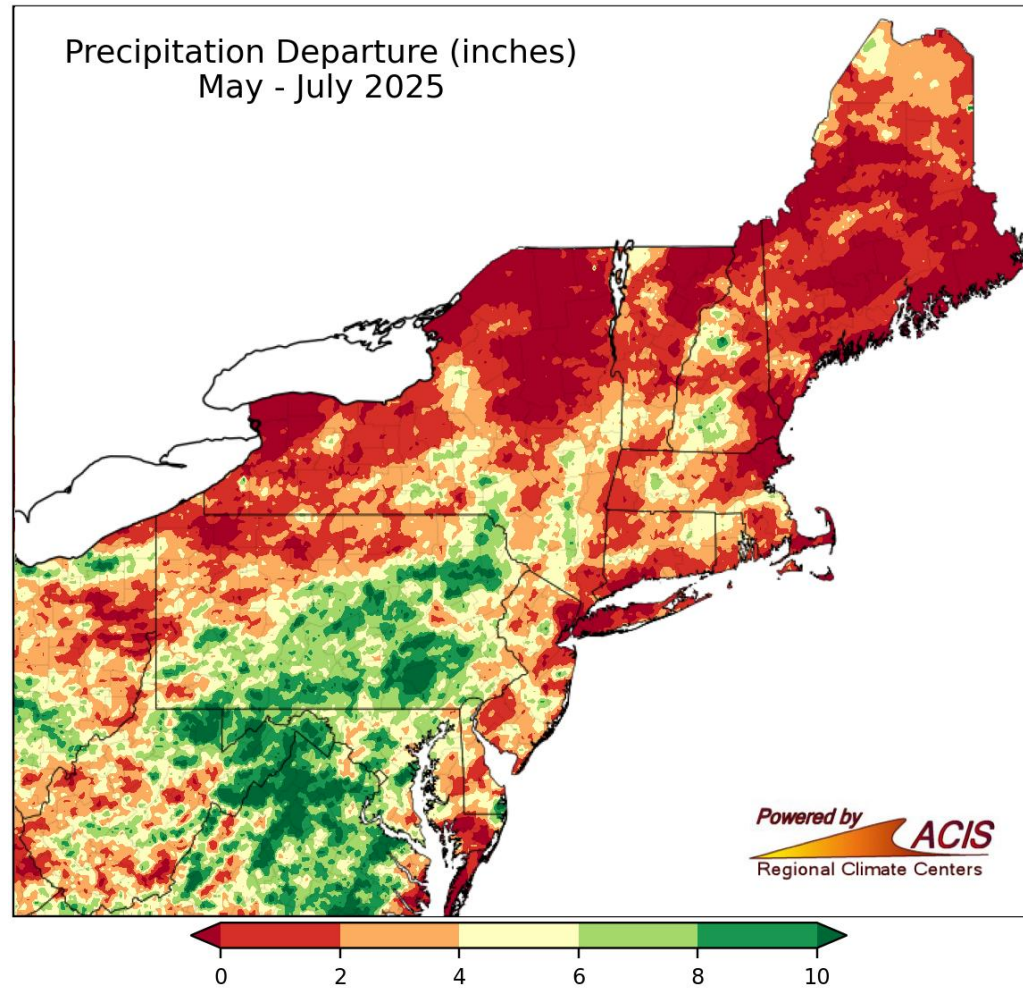
2025 OZONE MID-SEASON REVIEW

SIPRAC

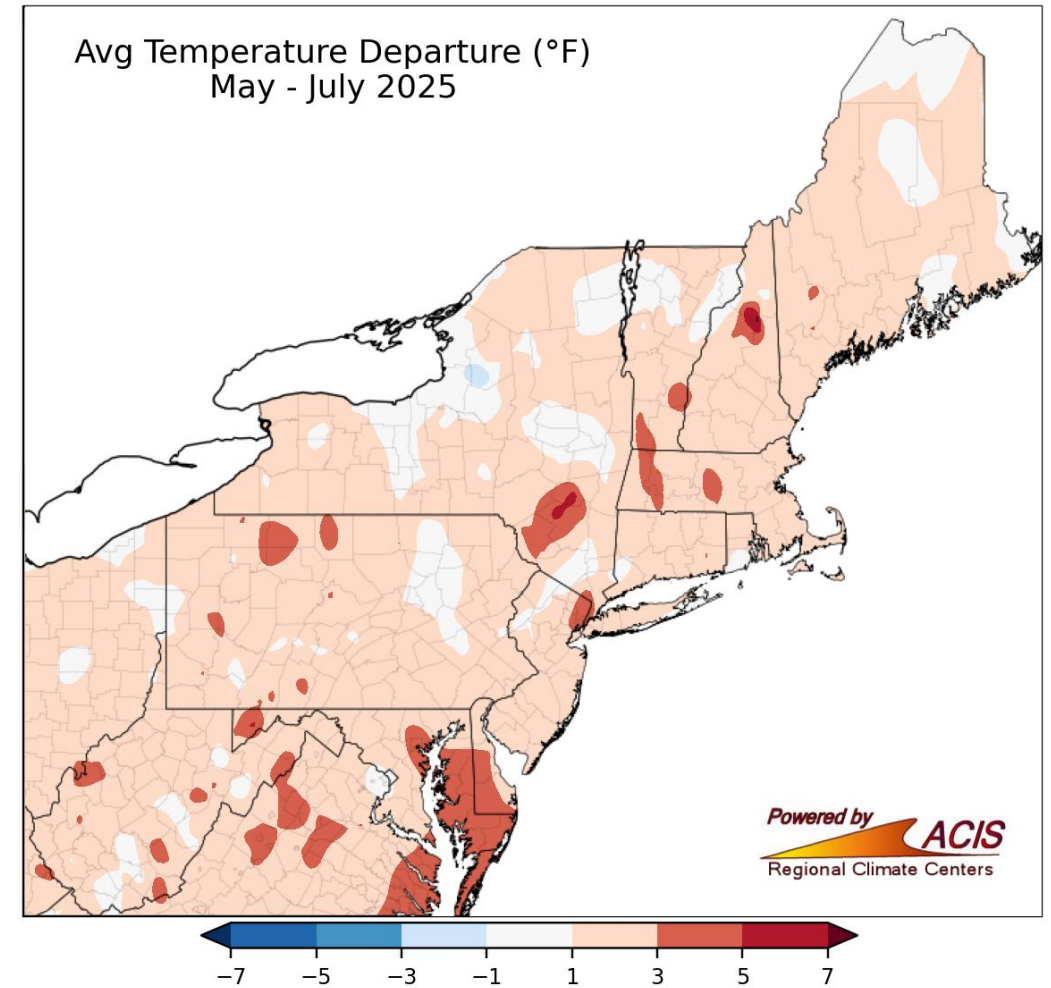
8-14-25

Presented by: Daniella Lopez, Planning and Standards
Bureau of Air Management

PRECIPITATION AND TEMPERATURE DEPARTURE



Precipitation was slightly above the normal in CT, with a range of 1-6 inches of rain above the 30-year period average.



Temperatures appeared slightly above normal with Connecticut ranging 1-3 °F above the 30-year period average.

CURRENT 2025 OZONE SEASON SUMMARY

Month	April		May	June								July							Aug				
Site	24	25	12	4	5	6	11	12	23	24	25	1	6	8	16	25	29	4	10	11	12	Site Exceedances	
Abington	60	64	54	60	70	63	61	60	54	58	45	57	63	42	53	48	44	48	58	68	73	1	
Cornwall	76	72	65	82	90	61	64	62	49	57	44	47	67	41	70	48	45	51	63	68	71	5	
Danbury	71	63	61	81	92	76	61	64	66	56	49	55	73	47	75	54	46	50	66	79	85	8	
East Hartford	71	65	60	75	91	72	61	62	59	56	44	51	M	45	67	54	48	58	67	75	91	6	
Greenwich	58	59	56	60	76	63	69	72	76	70	58	69	66	73	70	75	94	70	74	70	76	8	
Groton	59	59	55	58	79	59	73	81	46	72	57	41	67	72	51	71	77	69	67	79	63	8	
Madison	58	55	53	62	79	57	72	86	60	84	77	62	74	65	53	74	85	79	70	75	66	10	
Middletown	70	64	71	69	86	70	63	65	63	55	46	76	76	54	61	60	59	63	70	81	84	6	
New Haven	63	51	50	52	54	66	67	64	52	58	49	M	76	66	63	61	40	72	65	76	60	3	
Stafford	71	69	61	73	81	66	58	59	58	57	32	51	73	42	60	52	43	41	61	69	72	5	
Stratford	58	56	55	63	83	63	73	80	62	79	75	76	72	75	70	84	92	66	75	82	68	12	
Westport	62	60	56	64	90	65	72	71	64	71	57	72	72	72	68	75	95	72	80	81	75	13	
Site Exceedances	4	1	1	4	10	2	4	5	1	4	2	3	7	4	1	5	5	3	3	8	8	85	
# days > Federal Standard	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		

Good (0-54 ppb)
 Moderate (55-70 ppb)
 Unhealthy for Sensitive Groups (71-85 ppb)
 Unhealthy (86-105 ppb)
 Very Unhealthy (>106 ppb)

Days > 70 (2008 Standard) = 21
 Days > 75 (2015 Standard) = 16
 Days > 85 (Unhealthy Levels) = 4

ACCUMULATED EXCEEDANCE DAYS

Exceedance days in recent years (70 ppb):

2016 – **31 days**

2017 – **20 days**

2018 – **23 days**

2019 – **21 days**

2020 – **17 days***

2021 – **21 days**

2022 – **23 days**

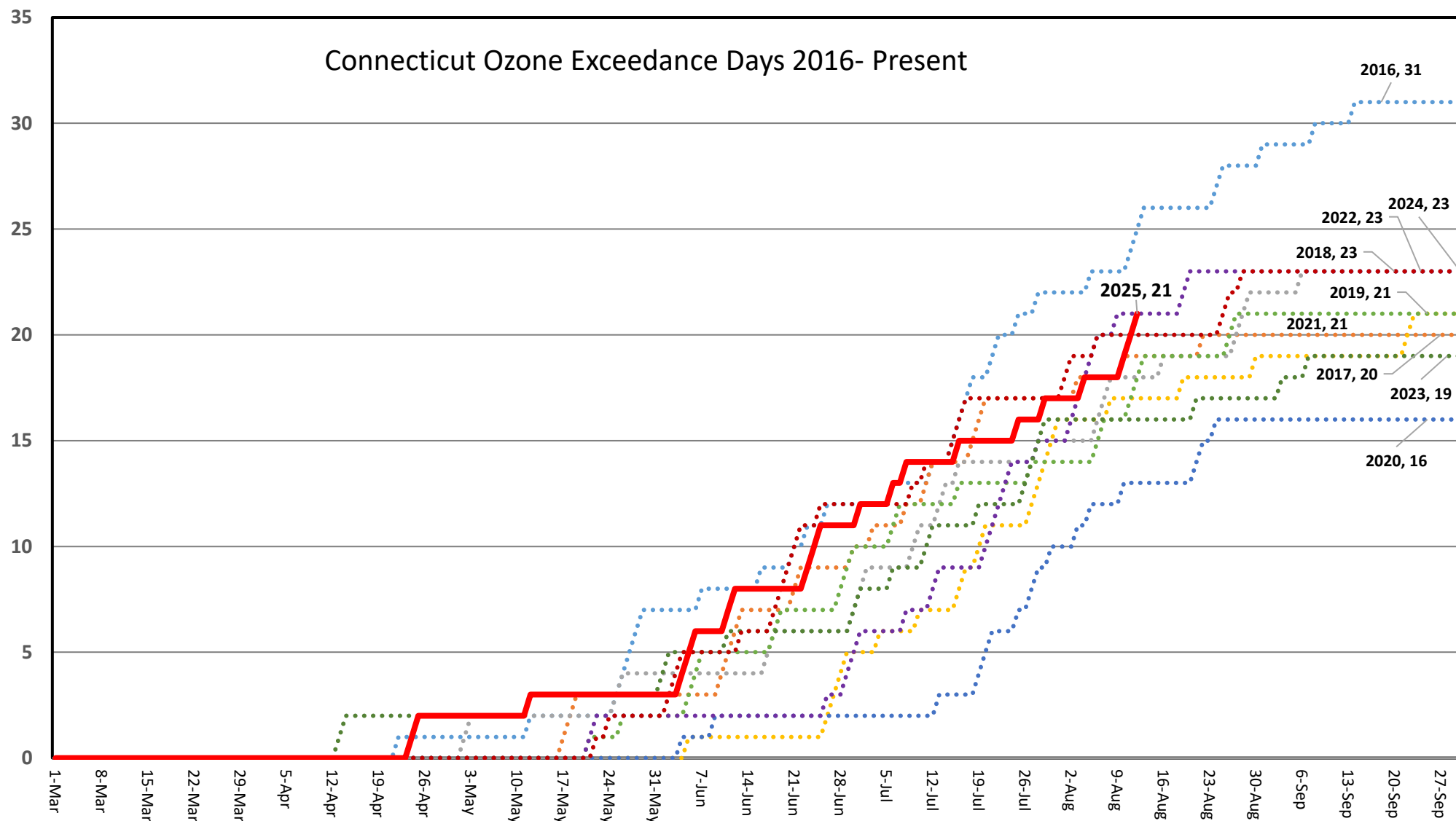
2023 – **19 days**

2024 – **23 days**

2025 - 21 days

The 2025 ozone season started off on April 24th.

Currently at 21 exceedance days, with 1.5 months remaining in the ozone season.



* Start of COVID-19 Lockdown

COOLING DEGREE DAYS

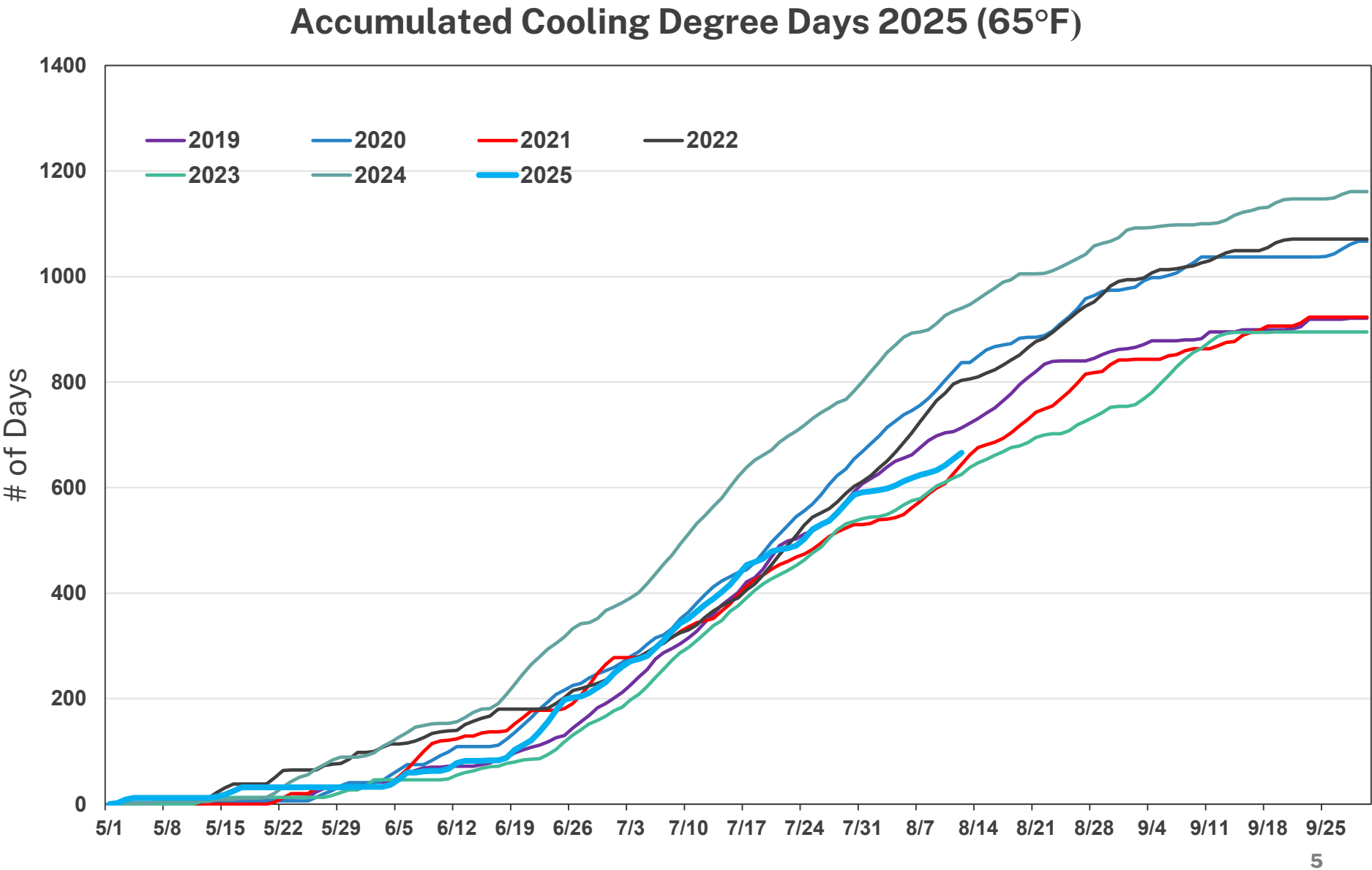
A cooling degree day (CDD) is the number of degrees a day's average temperature is above 65° F.

The first CDD for the 2025 ozone season occurred on May 2nd.

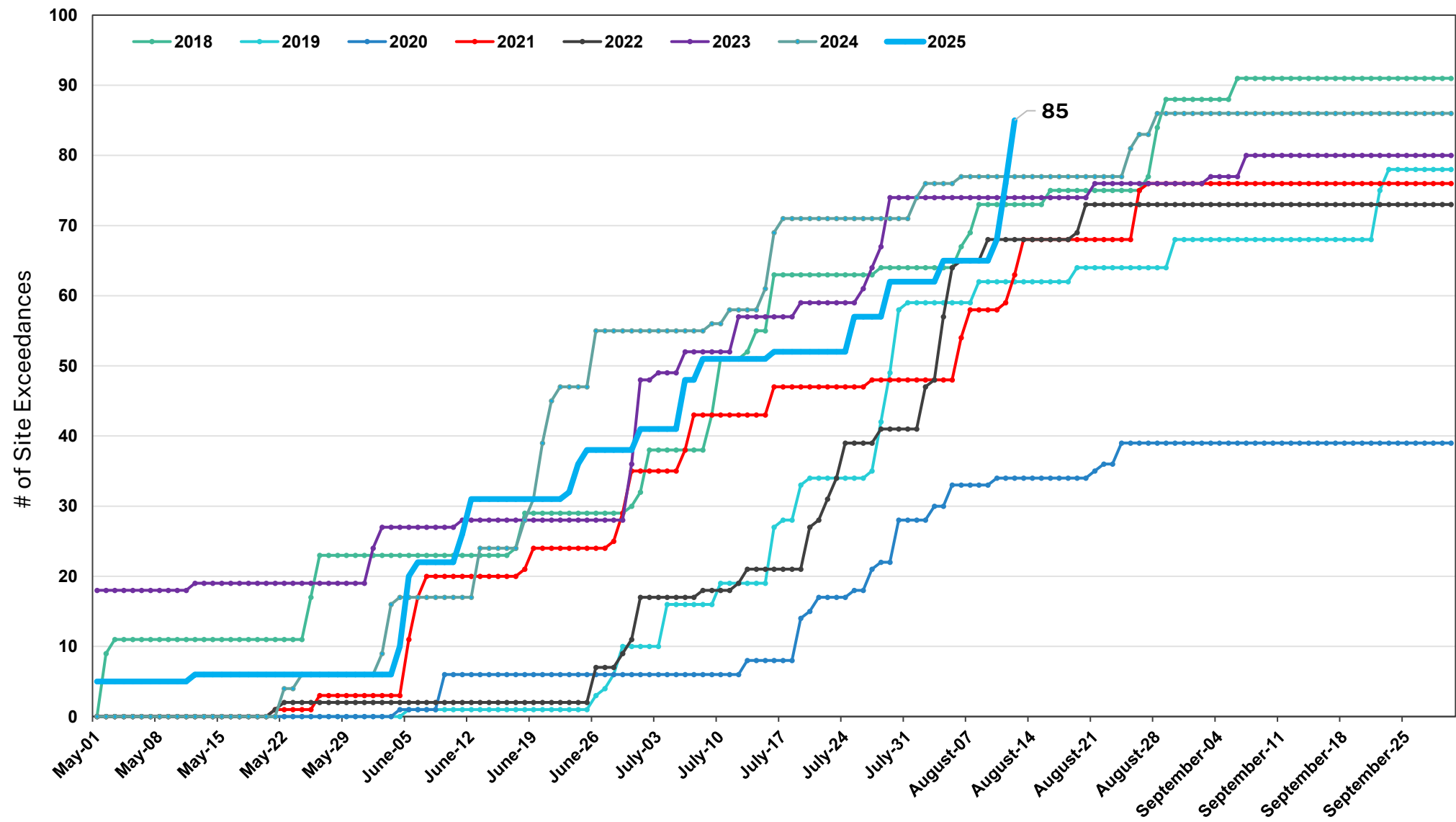
2023: 895 CDD and 80 site exceedances.

2024: 1,161 CDD and 86 site exceedances

2025*: 666 CDD and 85 site exceedances



ACCUMULATED SITE EXCEEDANCES



Site exceedances in recent years:

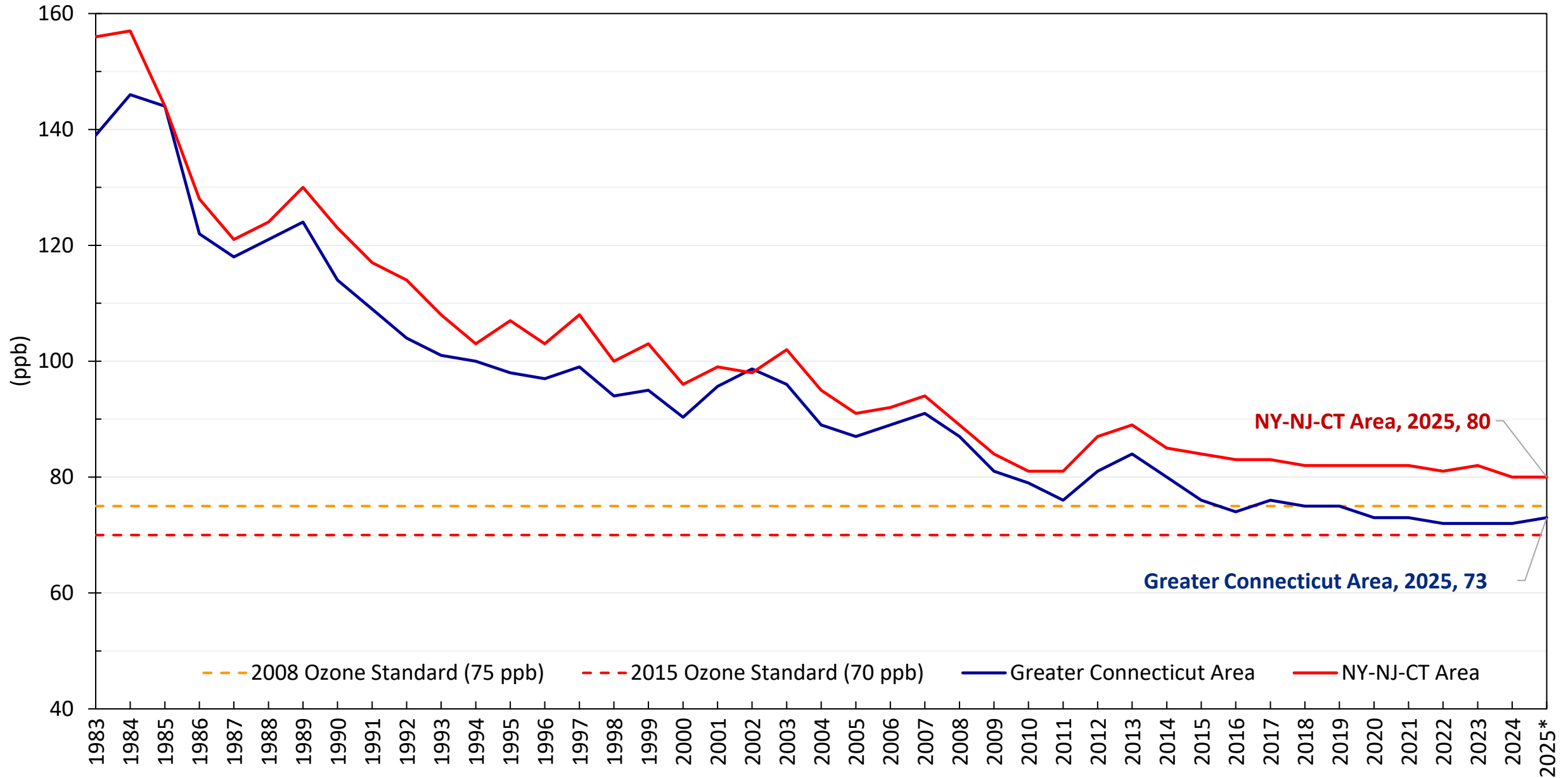
- 2018 – **91** sites
- 2019 – **78** sites
- 2020 – **39** sites*
- 2021 – **76** sites
- 2022 – **73** sites
- 2023 – **80** sites
- 2024 – **86** sites
- 2025* - 85** sites

2025 PRELIMINARY DESIGN VALUES

			2025 Compliance Status x = Violating NAAQS					
	Site Name	To Date: Prelim 2025 DV	2015 NAAQS	2008 NAAQS	1997 NAAQS	# Needed to Next NAAQS in Violation (key monitors in each NA are highlighted in RED)		
SWCT Portion of NYC Area	Danbury	77	X	X		4	more days >	101 ppb day(s) violate the 1997 NAAQS
	Greenwich	79	X	X		3	more days >	93 ppb day(s) violate the 1997 NAAQS
	Madison	77	X	X		4	more days >	102 ppb day(s) violate the 1997 NAAQS
	Middletown	75	X			1	more days >	78 ppb day(s) violate the 2008 NAAQS
	New Haven	71	X			4	more days >	81 ppb day(s) violate the 2008 NAAQS
	Stratford	80	X	X		4	more days >	95 ppb day(s) violate the 1997 NAAQS
	Westport	80	X	X		3	more days >	93 ppb day(s) violate the 1997 NAAQS
Greater CT	Cornwall	70				1	more days >	73 ppb day(s) violate the 2015 NAAQS
	East Hartford	73	X			2	more days >	83 ppb day(s) violate the 2008 NAAQS
	Groton	73	X			4	more days >	83 ppb day(s) violate the 2008 NAAQS
	Stafford	71	X			4	more days >	85 ppb day(s) violate the 2008 NAAQS
	Abington	64				4	more days >	84 ppb day(s) violate the 2015 NAAQS
Number of Exceedance Days to Date			21			The 1997 standard was repealed with the 2008 Implementation rule. Effective April 6, 2015		

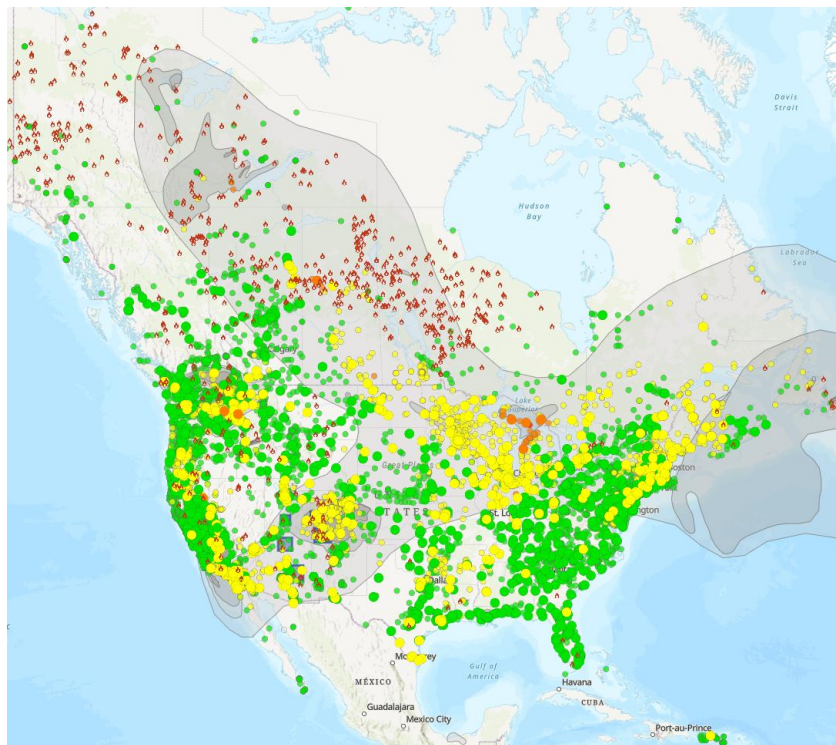
* 2025 Design Values are preliminary

Ozone Design Value Trends Connecticut's Two Nonattainment Areas

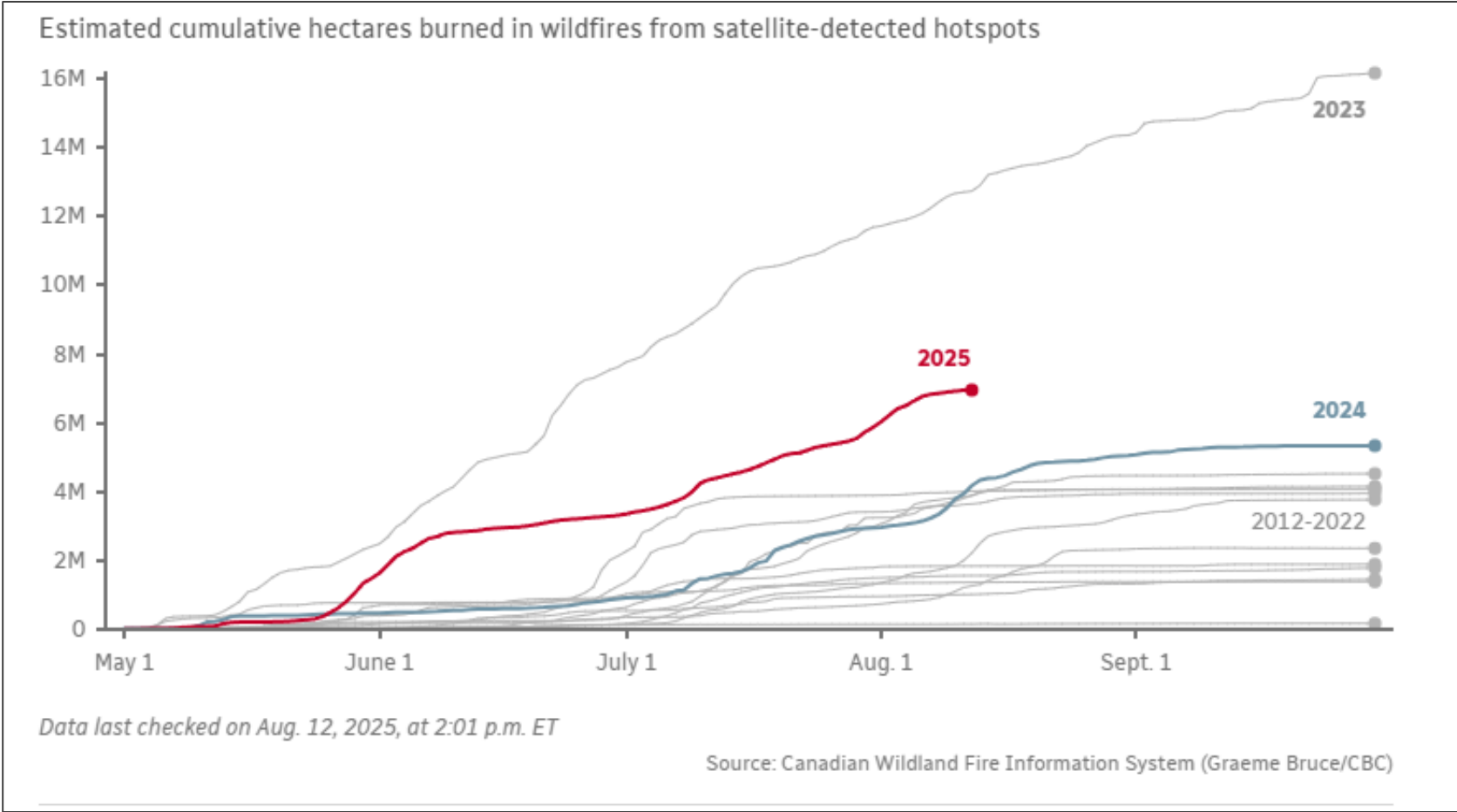


* Preliminary Data

CANADA'S HECTARES BURNED



Airnow Fire & Smoke Map: August 13, 2025



CURRENT 2025 PM_{2.5} SEASON SUMMARY

Month	July	August		
Site	26	4	5	Site Exceedances
Bridgeport	32.8	16.8	30.9	0
Cornwall	49	37.8	41.8	3
Danbury	42.5	31.5	39.7	2
East Hartford	39.9	30.6	45.9	2
Groton	31	11.8	24.2	0
Hartford	38.1	29.7	43.1	2
New Haven	34.1	19.1	33.6	0
Waterbury	39.9	31.7	38.2	2
Site Exceedances	5	1	5	11
# days above USG	1	2	3	

Good (0 - 9.0 µg/m³)
Moderate (9.1 - 35.4 µg/m³)
Unhealthy for Sensitive Groups (35.5 - 55.4 µg/m³)
Unhealthy (55.5 - 125.4 µg/m³)
Very Unhealthy (>125.5 µg/m³)

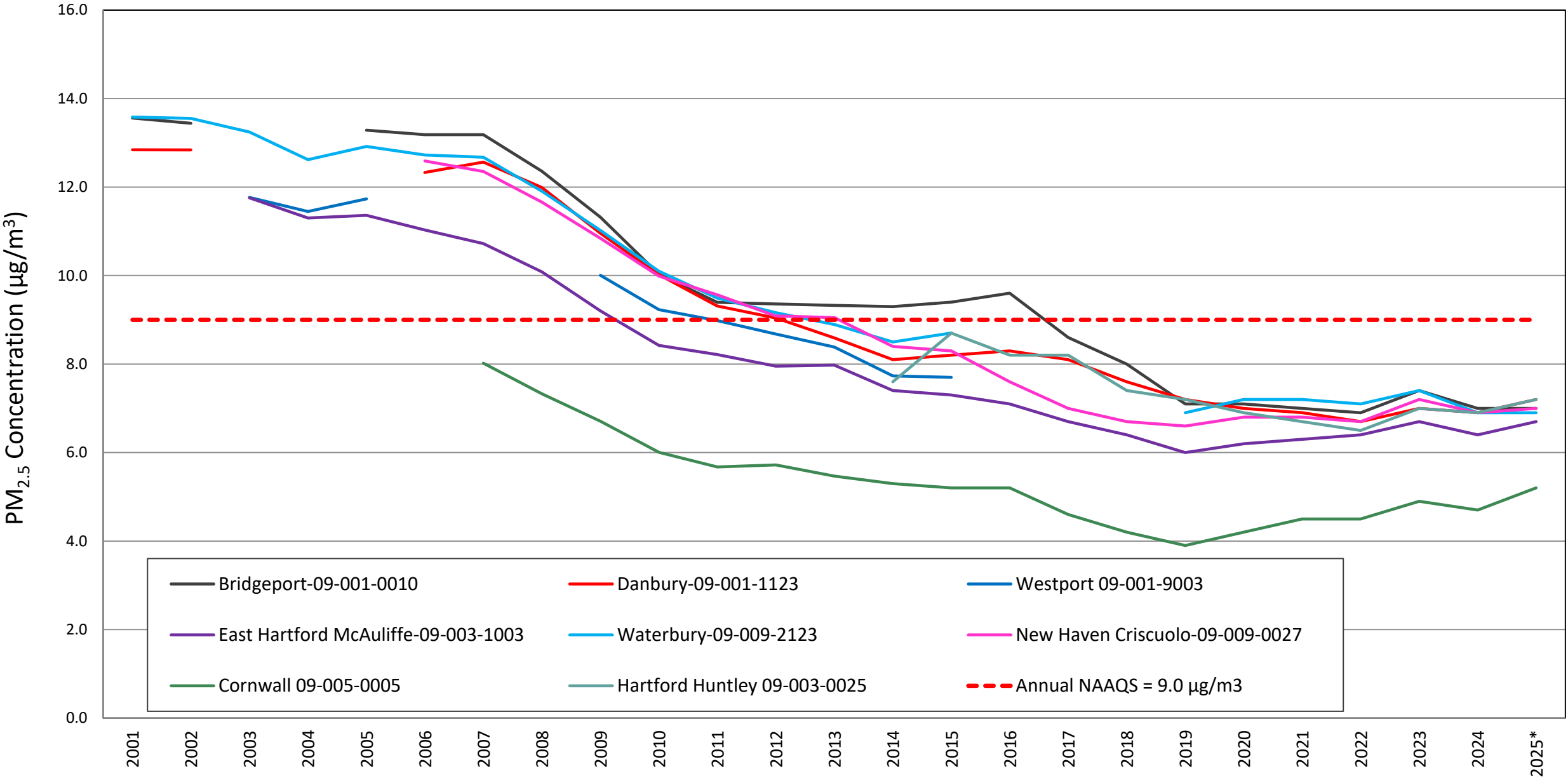
2025 PM_{2.5} ESTIMATED DESIGN VALUES

	Site Name	To Date: Estimated 2025 Annual DV	To Date: Estimated 2025 24-hr DV
SWCT Portion NY-NJ-PA- CT CSA	Bridgeport	7.0	19.7
	Danbury	7.2	20.3
Greater CT	Cornwall	5.2	19.4
	East Hartford	6.7	19.8
	Groton	6.2	18.3
	Hartford	7.2	20.1
	New Haven	7.0	19.4
	Waterbury	6.9	18.2

PM_{2.5} Annual NAAQS = 9.0 µg/m³

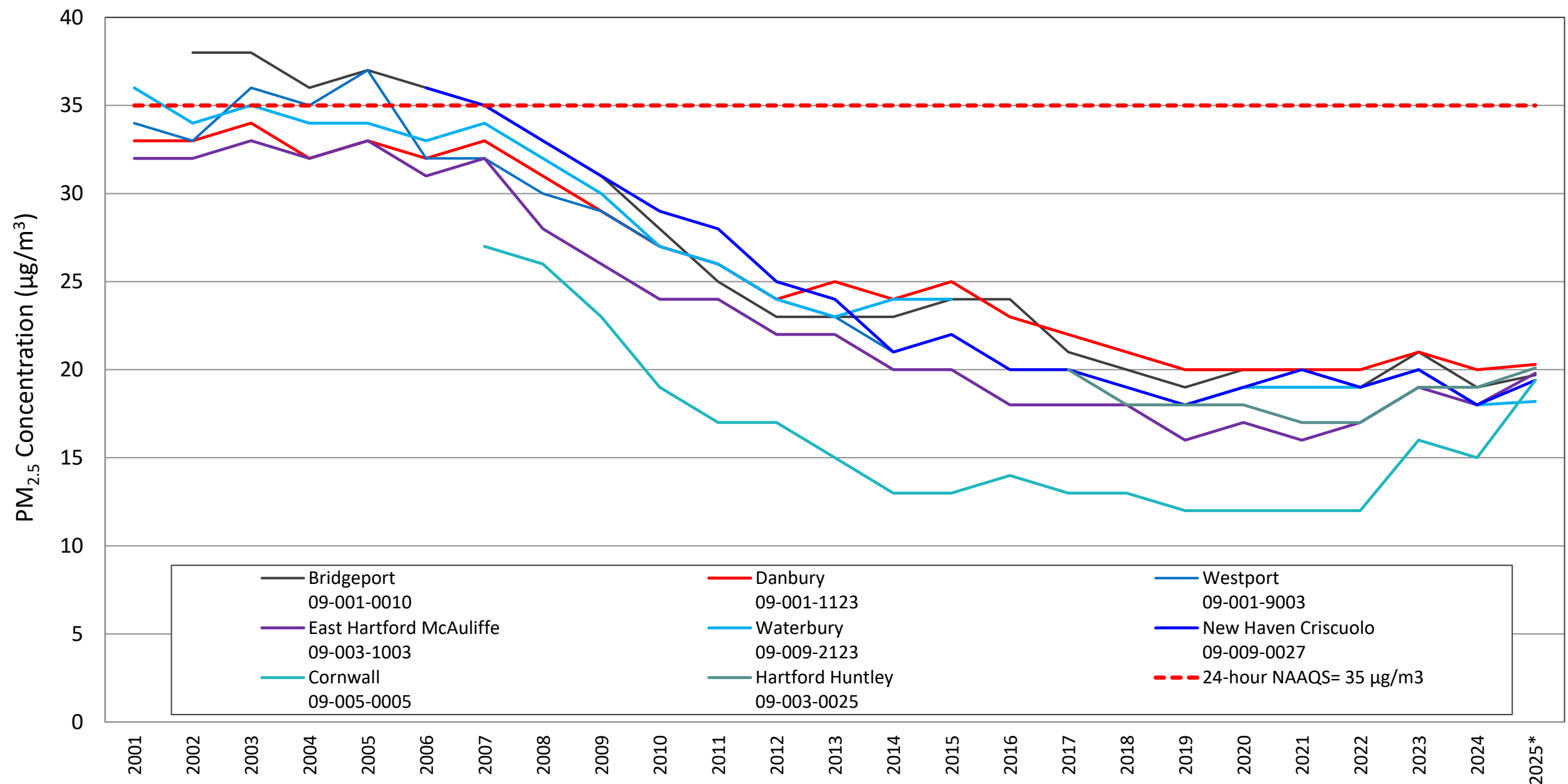
PM_{2.5} 24-hr NAAQS = 35 µg/m³

Connecticut PM_{2.5} Annual Design Value Trends



* Preliminary Data

Connecticut PM_{2.5} 24-Hr Design Value Trends





Thank you 😊

**Presented by: Daniella Lopez, Planning and Standards
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