

Episode 56LL November 12, 2023. Coast to Coast

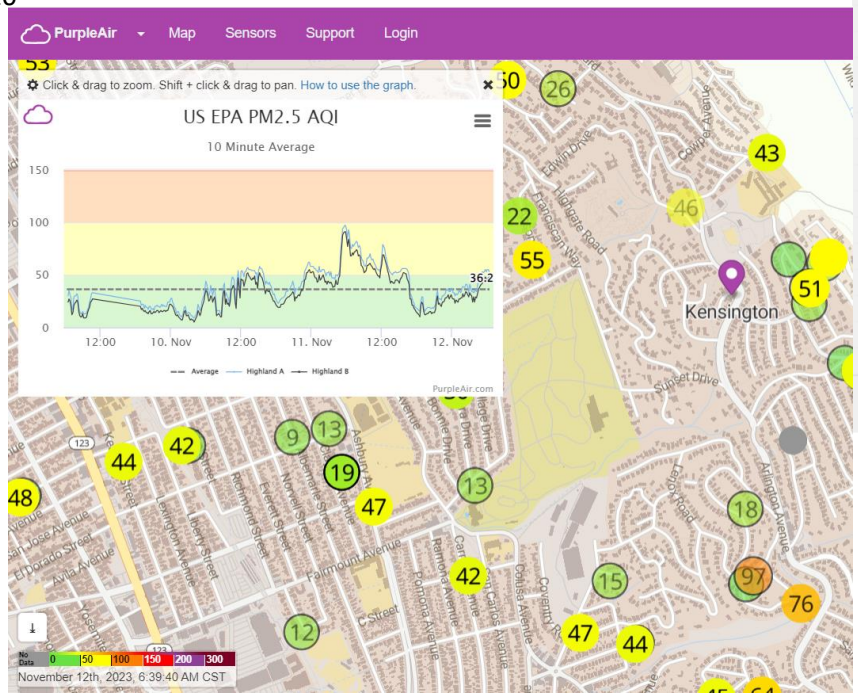
11/9-11/12/23 3day PM2.5 NAAQS	% above 12 ug/m3 NAAQS	% above 25 ug/m3 NAAQS	% above 35 ug/m3 NAAQS
California, Kensington	72	33	7
California, Trinidad	94	59	27
Maine, Winslow	16	1	0
Wisconsin, Madison	66	27	11

% 3 days >NAAQS	12 ug/m3	25 ug/m3	35 ug/m3
Highland A	72.45%	33.56%	7.64%
PA	0.514	1.8304	

number 10 minute periods in 72 hours, 3 sheets
 12, 25, 35 micrograms per cubic meter PM2.5
 Kensington, CA Highland A
 11/9/2023 6:30 to 11/12/2023 6:20
 Above 12 micrograms per cubic meter PM2.5?
 313 10 3130
 data periods of 10 minutes equals periods x 10
 3130 60 52.16666667
 minutes divided by 60= hours in 3 days 72 hour
 52.16666667 72 72.45%
 hours divided by 72 = % days > 12ug/m3 PM2.5
 Above 25 micrograms per cubic meter PM2.5?
 145 10 1450
 data periods of 10 minutes equals periods x 10
 1450 60 24.16666667
 minutes divided by 60= hours in 3 days 72 hour
 24.16666667 72 33.56%
 hours divided by 72 = % days > 25ug/m3 PM2.5
 Above 35 micrograms per cubic meter PM2.5?
 33 10 330
 data periods of 10 minutes equals periods x 10
 330 60 5.5
 minutes divided by 60= hours in 3 days 72 hour
 5.5 72 7.64%
 hours divided by 72 = % days > 12ug/m3 PM2.5
 Kensington, CA Highland A
 See all 3 days of Excel data on PDF at
<https://rawsepresidents.wordpress.com>

11/9-11/12/23 3day PM2.5	% above 12 ug/m3 NAAQS	% above 25 ug/m3 NAAQS	% above 35 ug/m3 NAAQS
California, Kensington	72	33	7
California, Trinidad	94	59	27
Maine, Winslow	16	1	0
Wisconsin, Madison	66	27	11

12	11/9/2023 7:50	30	24	17.2504	17.2504	17.2504	hours divided by 72 = % days > 12ug/m3 PM2.5?
13	11/9/2023 8:00	32	26	18.2784	18.2784	18.2784	Above 25 micrograms per cubic meter PM2.5?
14	11/9/2023 8:10	30	24	17.2504	17.2504	17.2504	145 10 1450
15	11/9/2023 8:20	19	15	11.5964	11.5964	11.5964	data periods of 10 minutes equals periods x 10
16	11/9/2023 8:30	15	11	9.5404	9.5404	9.5404	1450 60 24.16666667
17	11/9/2023 8:40	13	10	8.5124	8.5124	8.5124	minutes divided by 60= hours in 3 days 72 hour
18	11/9/2023 8:50	13	10	8.5124	8.5124	8.5124	24.16666667 72 33.56%
19	11/9/2023 9:00	15	13	9.5404	9.5404	9.5404	hours divided by 72 = % days > 25ug/m3 PM2.5
20	11/9/2023 9:10	13	9	8.5124	8.5124	8.5124	Above 35 micrograms per cubic meter PM2.5?
21	11/9/2023 9:20	13	9	8.5124	8.5124	8.5124	33 10 330
22	11/9/2023 9:30	13	9	8.5124	8.5124	8.5124	data periods of 10 minutes equals periods x 10
23	11/9/2023 9:40	14	10	9.0264	9.0264	9.0264	330 60 5.5
24	11/9/2023 9:50	17	14	10.5684	10.5684	10.5684	minutes divided by 60= hours in 3 days 72 hour
25	11/9/2023 10:00	19	17	11.5964	11.5964	11.5964	5.5 72 7.64%
26	11/9/2023 10:10	24	19	14.1664	14.1664	14.1664	hours divided by 72 = % days > 12ug/m3 PM2.5?
27	11/9/2023 10:20	27	24	15.7084	15.7084	15.7084	Kensington, CA Highland A
28	11/9/2023 10:30	32	25	18.2784	18.2784	18.2784	See all 3 days of Excel data on PDF at
29	11/9/2023 10:40	33	27	18.7924	18.7924	18.7924	https://rawsepresidents.wordpress.com
30	11/9/2023 18:50	25	20	14.6804	14.6804	14.6804	Check C4 17.2504
31	11/9/2023 19:00	21	17	12.6244	12.6244	12.6244	
32	11/9/2023 19:10	22	18	13.1384	13.1384	13.1384	
33	11/9/2023 19:20	22	16	13.1384	13.1384	13.1384	
34	11/9/2023 19:30	18	15	11.0824	11.0824	11.0824	
35	11/9/2023 19:40	21	16	12.6244	12.6244	12.6244	
36	11/9/2023 19:50	19	14	11.5964	11.5964	11.5964	
37	11/9/2023 20:00	19	14	11.5964	11.5964	11.5964	



Navigation bar for the PurpleAir interface, including:

- Navigation arrows: < >
- Active filter: us-epa-pm25-aqi
- Sort options: YELLOW 12 sort, ORANGE 25 sort, RED 35 sort, IR

% 3 days >NAAQS **94.68%** **59.49%**

27.08%

Ewing A 12 ug/m3 25 ug/m3 35 ug/m3
 PA 0.514 1.8304

number 10 minuteperiods in 72 hours,3 sheets
 12,25,35 micrograms per cubic meter PM2.5

California, Trinidad Ewing A

11/9/2023 6:50 to 11/12/2023

6:40

Above 12 micrograms per cubic meter PM2.5?

409 10 4090

data periods of 10 minutes equals periods x 10

4090 60 68.16666667

minutes divided by 60= hours in 3 days 72 hour

68.16666667 72 94.68%

hours divided by 72 = % days > 12ug/m3 PM2.5

Above 25 micrograms per cubic meter PM2.5?

257 10 2570

data periods of 10 minutes equals periods x 10

2570 60 42.83333333

minutes divided by 60= hours in 3 days 72 hour

42.83333333 72 59.49%

hours divided by 72 = % days > 25ug/m3 PM2.5

Above 35 micrograms per cubic meter PM2.5?

117 10 1170

data periods of 10 minutes equals periods x 10

1170 60 19.5

minutes divided by 60= hours in 3 days 72 hour

19.5 72 27.08%

hours divided by 72 = % days > 12ug/m3 PM2.5

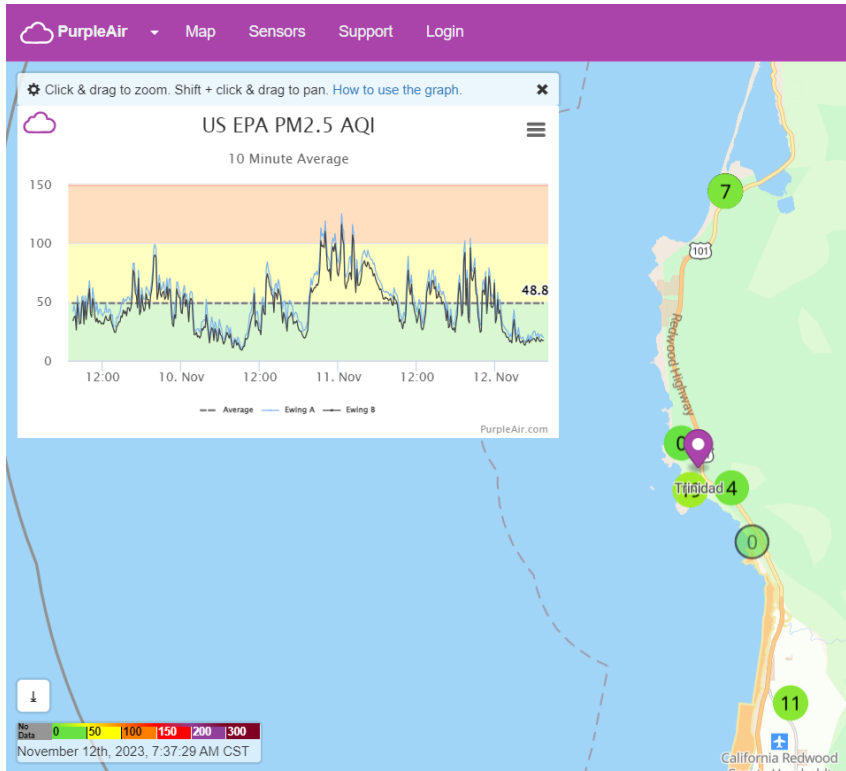
California, Trinidad Ewing A

See all 3 days of Excel data on PDF at

<https://rawsepresidents.wordpress.com>

11/9-11/12/23 3day PM2.5	% above 12 ug/m3 NAAQS	% above 25 ug/m3 NAAQS	% above 35 ug/m3 NAAQS
California, Kensington	72	33	7
California, Trinidad	94	59	27
Maine, Winslow	16	1	0
Wisconsin, Madison	66	27	11

	A	B	C	D	E	F	G	H	I	J	K
1	% 3 days >NAAQS	94.68%	59.49%	27.08%	PA x 0.5140 + 1.8304	converter	PA		0.514	1.8304	
2	Ewing A	12 ug/m3	25 ug/m3	35 ug/m3	409	257	117				number 10 minuteperiods in 72 hours,3 sheets
3	DateTime	Average	Ewing A	Ewing B	above12	above25	above35				12,25,35 micrograms per cubic meter PM2.5
4	11/9/23 6:50	49	45	37	24.9604	24.9604	24.9604	California, Trinidad		Ewing A	
5	11/9/23 7:00			37	20.8484	20.8484	20.8484	11/9/2023 6:50		to	11/12/2023 6:40
6	11/9/23 7:10			48	26.5024	26.5024	26.5024	Above 12 micrograms per cubic meter PM2.5?			
7	11/9/23 7:20			46	25.4744	25.4744	25.4744	409		10	4090
8	11/9/23 7:30			42	23.4184	23.4184	23.4184	data periods of 10 minutes equals periods x 10			
9	11/9/23 7:40			47	25.9884	25.9884	25.9884	4090		60	68.16666667
10	11/9/23 7:50			41	22.9044	22.9044	22.9044	minutes divided by 60= hours in 3 days 72 hour			
11	11/9/23 8:00			32	18.2784	18.2784	18.2784	68.16666667		72	94.68%
12	11/9/23 8:10			55	30.1004	30.1004	30.1004	hours divided by 72 = % days > 12ug/m3 PM2.5			
13	11/9/23 8:20			48	26.5024	26.5024	26.5024	Above 25 micrograms per cubic meter PM2.5?			
14	11/9/23 8:30			40	22.3904	22.3904	22.3904	257		10	2570
15	11/9/23 8:40			32	20.3344	20.3344	20.3344	data periods of 10 minutes equals periods x 10			
16	11/9/23 8:50			54	29.5864	29.5864	29.5864	2570		60	42.83333333
17	11/9/23 9:00			55	30.1004	30.1004	30.1004	minutes divided by 60= hours in 3 days 72 hour			
18	11/9/23 9:10			37	20.8484	20.8484	20.8484	42.83333333		72	59.49%
19	11/9/23 9:20			55	30.1004	30.1004	30.1004	hours divided by 72 = % days > 25ug/m3 PM2.5			
20	11/9/23 9:30			45	24.9604	24.9604	24.9604	Above 35 micrograms per cubic meter PM2.5?			
21	11/9/23 9:40			54	29.5864	29.5864	29.5864	117		10	1170
22	11/9/23 9:50			58	31.6424	31.6424	31.6424	data periods of 10 minutes equals periods x 10			
23	11/9/23 10:00			68	36.7824	36.7824	36.7824	1170		60	19.5
24	11/9/23 10:10			51	28.0444	28.0444	28.0444	minutes divided by 60= hours in 3 days 72 hour			
25	11/9/23 10:20			45	24.9604	24.9604	24.9604	19.5		72	27.08%
26	11/9/23 10:30			62	33.6984	33.6984	33.6984	hours divided by 72 = % days > 12ug/m3 PM2.5			
27	11/9/23 10:40			54	29.5864	29.5864	29.5864	California, Trinidad		Ewing A	
28	11/9/23 10:50			49	27.0164	27.0164	27.0164	See all 3 days of Excel data on PDF at			
29	11/9/23 11:00			42	23.4184	23.4184	23.4184	https://rawsepresidents.wordpress.com			
30	11/9/23 11:10			48	26.5024	26.5024	26.5024	Check C4		24.9604	
31	11/9/23 11:20			39	21.8764	21.8764	21.8764				
32	11/9/23 11:30			43	23.9324	23.9324	23.9324				
33	11/9/23 11:40			44	23.4464	23.4464	23.4464				
34	11/9/23 11:50			40	22.3904	22.3904	22.3904				



[us-epa-pm25-aqi](https://rawsepresidents.wordpress.com)

YELLOW 12 sort

ORANGE 25 sort

RED 35 sort

% 3 days >NAAQS **16.90%** **1.62%** **0.00%**

Winslow, Maine A 12 ug/m3 25 ug/m3 35 ug/m3

PA 0.514 1.8304

no. 10 minute periods in 72 hours, 3 sheets

12,25,35 micrograms per cubic meter PM2.5

Maine, Winslow Winslow, Maine A

11/9/2023 6:50 to 11/12/2023 6:40

Above 12 micrograms per cubic meter PM2.5?

73 10 730

data periods of 10 minutes equals periods x 10

730 60 12.16666667

minutes divided by 60= hours in 3 days 72 hour

12.16666667 72 16.90%

hours divided by 72 = % days > 12ug/m3 PM2.5

Above 25 micrograms per cubic meter PM2.5?

7 10 70

data periods of 10 minutes equals periods x 10

70 60 1.166666667

minutes divided by 60= hours in 3 days 72 hour

1.166666667 72 1.62%

hours divided by 72 = % days > 25ug/m3 PM2.5

Above 35 micrograms per cubic meter PM2.5?

0 10 0

data periods of 10 minutes equals periods x 10

0 60 0

minutes divided by 60= hours in 3 days 72 hour

0 72 0.00%

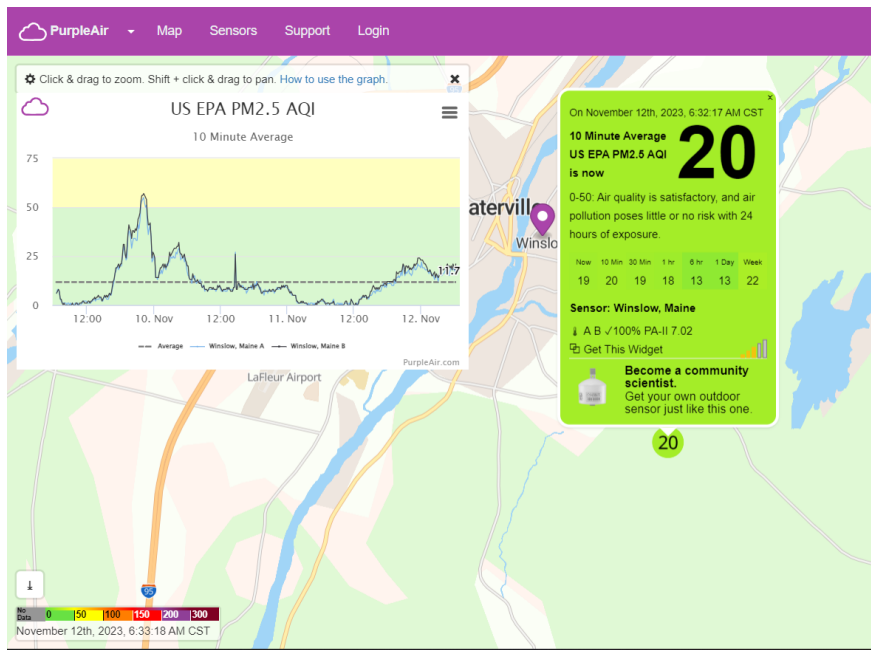
hours divided by 72 = % days > 12ug/m3 PM2.5

Maine, Winslow Winslow, Maine A

See all 3 days of Excel data on PDF at

<https://rawsepresidents.wordpress.com>

11/9-11/12/23 3day PM2.5	% above 12 ug/m3 NAAQS	% above 25 ug/m3 NAAQS	% above 35 ug/m3 NAAQS
California, Kensington	72	33	7
California, Trinidad	94	59	27
Maine, Winslow	16	1	0
Wisconsin, Madison	66	27	11



	A	B	C	D	E	F	G	H	I	J
1	% 3 days >NAAQS	16.90%	1.62%	0.00%	PA x 0.5140 + 1.8304	conversion		PA	0.514	1.8304
2	Winslow, Maine A	12 ug/m3	25 ug/m3	35 ug/m3	73	7	0	no. 10 minute periods in 72 hours, 3 sheets		
3	DateTime	Average	Winslow, I	Winslow, I	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
4	11/9/2023 6:50	11.7	8	8	5.9424	5.9424	5.9424	Maine, Winslow	Winslow, Maine A	
5	11/9/2023 7:00		6	7	4.9144	4.9144	4.9144	11/9/2023 6:50	to	11/12/2023 6:40
6	11/9/2023 7:10		3	3	3.3724	3.3724	3.3724	Above 12 micrograms per cubic meter PM2.5?		
7	11/9/2023 7:20		2	3	2.8584	2.8584	2.8584	73	10	730
8	11/9/2023 7:30		1	1	2.3444	2.3444	2.3444	data periods of 10 minutes equals periods x 10		
9	11/9/2023 7:40		1	0	2.3444	2.3444	2.3444	730	60	12.16666667
10	11/9/2023 7:50		1	1	2.3444	2.3444	2.3444	minutes divided by 60= hours in 3 days 72 hour		
11	11/9/2023 8:00		1	0	2.3444	2.3444	2.3444	12.16666667	72	16.90%
12	11/9/2023 8:10		1	0	2.3444	2.3444	2.3444	hours divided by 72 = % days > 12ug/m3 PM2.5		
13	11/9/2023 8:20		0	0	1.8304	1.8304	1.8304	Above 25 micrograms per cubic meter PM2.5?		
14	11/9/2023 8:30		1	0	2.3444	2.3444	2.3444	7	10	70
15	11/9/2023 8:40		1	0	2.3444	2.3444	2.3444	data periods of 10 minutes equals periods x 10		
16	11/9/2023 8:50		0	0	1.8304	1.8304	1.8304	70	60	1.166666667
17	11/9/2023 9:00		1	0	2.3444	2.3444	2.3444	minutes divided by 60= hours in 3 days 72 hour		
18	11/9/2023 9:10		0	0	1.8304	1.8304	1.8304	1.166666667	72	1.62%
19	11/9/2023 9:20		1	1	2.3444	2.3444	2.3444	hours divided by 72 = % days > 25ug/m3 PM2.5		
20	11/9/2023 9:30		0	0	1.8304	1.8304	1.8304	Above 35 micrograms per cubic meter PM2.5?		
21	11/9/2023 9:40		0	0	1.8304	1.8304	1.8304	0	10	0
22	11/9/2023 9:50		1	0	2.3444	2.3444	2.3444	data periods of 10 minutes equals periods x 10		
23	11/9/2023 10:00		1	1	2.3444	2.3444	2.3444	0	60	0
24	11/9/2023 10:10		0	1	1.8304	1.8304	1.8304	minutes divided by 60= hours in 3 days 72 hour		
25	11/9/2023 10:20		1	0	2.3444	2.3444	2.3444	0	72	0.00%
26	11/9/2023 10:30		0	0	1.8304	1.8304	1.8304	hours divided by 72 = % days > 12ug/m3 PM2.5		
27	11/9/2023 10:40		0	1	1.8304	1.8304	1.8304	Maine, Winslow	Winslow, Maine A	
28	11/9/2023 10:50		0	1	1.8304	1.8304	1.8304	See all 3 days of Excel data on PDF at		
29	11/9/2023 11:00		1	1	2.3444	2.3444	2.3444	https://rawsepresidents.wordpress.com		
30	11/9/2023 11:10		1	2	2.3444	2.3444	2.3444	Check C4	5.9424	
31	11/9/2023 11:20		2	2	2.8584	2.8584	2.8584			
32	11/9/2023 11:30		2	1	2.8584	2.8584	2.8584			
33	11/9/2023 11:40		2	1	2.8584	2.8584	2.8584			
34	11/9/2023 11:50		2	1	2.8584	2.8584	2.8584			

% 3 days >NAAQS **66.44%** **27.78%** **11.57%**

Elinor and Gary A 12 ug/m3 25 ug/m3 35 ug/m3

PA 0.514 1.8304

number10minuteperiods in 72hours, 3 sheets

12,25,35 micrograms per cubic meter PM2.5

Wisconsin, Madison Elinor and Gary A

11/9/2023 6:50 to 11/12/2023 6:40

Above 12 micrograms per cubic meter PM2.5?

287 10 2870

data periods of 10 minutes equals periods x 10

2870 60 47.83333333

minutes divided by 60= hours in 3 days 72 hour

47.83333333 72 66.44%

hours divided by 72 = % days > 12ug/m3 PM2.5

Above 25 micrograms per cubic meter PM2.5?

120 10 1200

data periods of 10 minutes equals periods x 10

1200 60 20

minutes divided by 60= hours in 3 days 72 hour

20 72 27.78%

hours divided by 72 = % days > 25ug/m3 PM2.5

Above 35 micrograms per cubic meter PM2.5?

50 10 500

data periods of 10 minutes equals periods x 10

500 60 8.333333333

minutes divided by 60= hours in 3 days 72 hour

8.333333333 72 11.57%

hours divided by 72 = % days > 12ug/m3 PM2.5

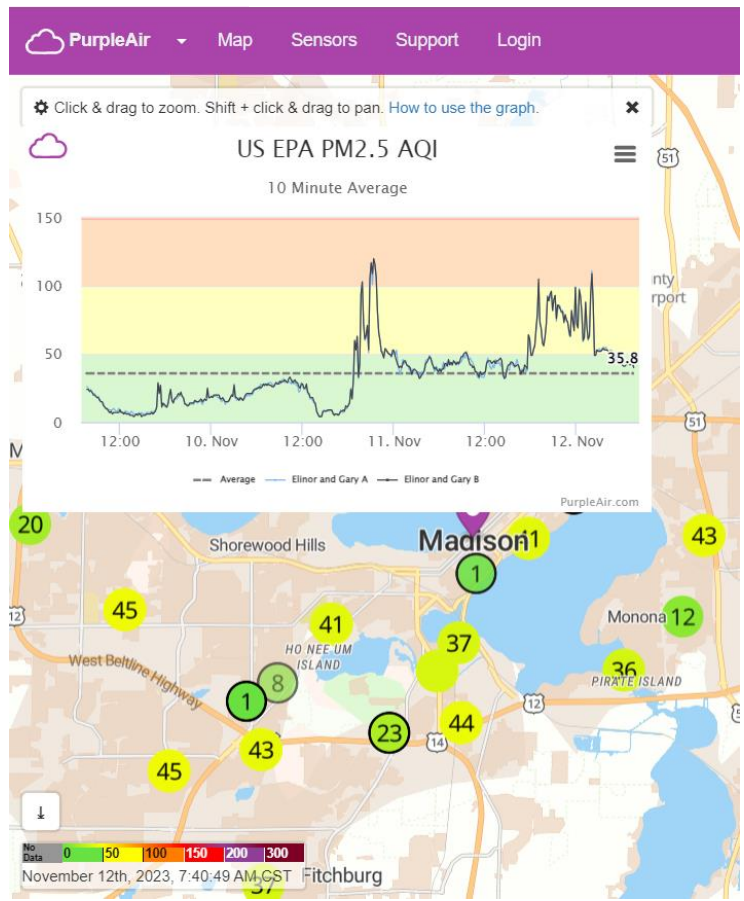
Wisconsin, Madison

Elinor and Gary A

See all 3 days of Excel data on PDF at

<https://rawsepresidents.wordpress.com>

11/9-11/12/23 3day PM2.5	% above 12 ug/m3 NAAQS	% above 25 ug/m3 NAAQS	% above 35 ug/m3 NAAQS
California, Kensington	72	33	7
California, Trinidad	94	59	27
Maine, Winslow	16	1	0
Wisconsin, Madison	66	27	11



	A	B	C	D	E	F	G	H	I	J
1	% 3 days >NAAQS	66.44%	27.78%	11.57%	PA x 0.5140 + 1.8304 conversion	PA		0.514	1.8304	
2	Elinor and Gary A	12 ug/m3	25 ug/m3	35 ug/m3	287	120	50	number10minuteperiods in 72hours, 3 sheets		
3	DateTime	Average	Elinor and Elinor and	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5			
4	11/9/2023 6:50	35.6	23	22	13.6524	13.6524	13.6524	Wisconsin, Madison	Elinor and Gary A	
5	11/9/2023 7:00		22	21	13.1384	13.1384	13.1384	11/9/2023 6:50	to	11/12/2023 6:40
6	11/9/2023 7:10		23	22	13.6524	13.6524	13.6524	Above 12 micrograms per cubic meter PM2.5?		
7	11/9/2023 7:20		24	24	14.1664	14.1664	14.1664	287	10	2870
8	11/9/2023 7:30		26	24	15.1944	15.1944	15.1944	data periods of 10 minutes equals periods x 10		
9	11/9/2023 7:40		26	24	15.1944	15.1944	15.1944	2870	60	47.83333333
10	11/9/2023 7:50		25	24	14.6804	14.6804	14.6804	minutes divided by 60= hours in 3 days 72 hour		
11	11/9/2023 8:00		22	23	13.1384	13.1384	13.1384	47.83333333	72	66.44%
12	11/9/2023 8:10		24	23	14.1664	14.1664	14.1664	hours divided by 72 = % days > 12ug/m3 PM2.5		
13	11/9/2023 8:20		22	22	13.1384	13.1384	13.1384	Above 25 micrograms per cubic meter PM2.5?		
14	11/9/2023 8:30		21	20	12.6244	12.6244	12.6244	120	10	1200
15	11/9/2023 8:40		21	20	12.6244	12.6244	12.6244	data periods of 10 minutes equals periods x 10		
16	11/9/2023 8:50		19	19	11.5964	11.5964	11.5964	1200	60	20
17	11/9/2023 9:00		18	18	11.0824	11.0824	11.0824	minutes divided by 60= hours in 3 days 72 hour		
18	11/9/2023 9:10		19	18	11.5964	11.5964	11.5964	20	72	27.78%
19	11/9/2023 9:20		17	16	10.5684	10.5684	10.5684	hours divided by 72 = % days > 25ug/m3 PM2.5		
20	11/9/2023 9:30		15	15	9.5404	9.5404	9.5404	Above 35 micrograms per cubic meter PM2.5?		
21	11/9/2023 9:40		15	15	9.5404	9.5404	9.5404	50	10	500
22	11/9/2023 9:50		14	12	9.0264	9.0264	9.0264	data periods of 10 minutes equals periods x 10		
23	11/9/2023 10:00		11	11	7.4844	7.4844	7.4844	500	60	8.333333333
24	11/9/2023 10:10		10	10	6.9704	6.9704	6.9704	minutes divided by 60= hours in 3 days 72 hour		
25	11/9/2023 10:20		9	10	6.4564	6.4564	6.4564	8.333333333	72	11.57%
26	11/9/2023 10:30		9	8	6.4564	6.4564	6.4564	hours divided by 72 = % days > 12ug/m3 PM2.5		
27	11/9/2023 10:40		9	7	6.4564	6.4564	6.4564	Wisconsin, Madison	Elinor and Gary A	
28	11/9/2023 10:50		9	8	6.4564	6.4564	6.4564	See all 3 days of Excel data on PDF at		
29	11/9/2023 11:00		9	6	6.4564	6.4564	6.4564	https://rawsepresidents.wordpress.com		
30	11/9/2023 11:10		10	7	6.9704	6.9704	6.9704	Check C4	13.6524	
31	11/9/2023 11:20		9	7	6.4564	6.4564	6.4564			
32	11/9/2023 11:30		8	7	5.9424	5.9424	5.9424			
33	11/9/2023 11:40		8	7	5.9424	5.9424	5.9424			
34	11/9/2023 11:50		10	7	6.9704	6.9704	6.9704			