

Residents Against Wood Smoke Emission Particulates  
 Episode 56NZ December 27, 2023 Coast to Coast  
 12/24/2023 to 12/27/2023

	Location PM2.5 over 3 days	% above 12ug/m3 PM2.5		% above 25ug/m3 PM2.5			% above 35ug/m3 PM2.5		% above 50ug/m3 PM2.5	
	% above 60ug/m3 PM2.5	% above 75ug/m3 PM2.5		Average PM2.5 at one monitor 3 days			PM2.5 average in 3 days			
1	California, Contra Costa County, Kensington	83%	55%	30%	13%	1%	0%	Average	27	
2	California, Humboldt County, Trinidad	71%	49%	27%	10%	4%	0%	Average	24	
3	Maine, Androscoggin County, Lewiston, Echo Road	92%	56%	24%	15%	4%	0%	Average	27	
4	Maine, Kennebec County, Winslow	100%	65%	10%	1%	0%	0%	Average	28	
5	Maine, Sagadahoc County, Topsham	96%	64%	30%	9%	0%	0%	Average	30	
6	Maine, Waldo County, Searsmont	75%	30%	6%	0%	0%	0%	Average	20	
7	Wisconsin, Dane County, Town of Berry, Turner	79%	62%	32%	9%	0%	0%	Average	28	
8	Wisconsin, Dane County, Deerfield, Wholly Rooted Farm	99%	98%	98%	80%	28%	0%	Average	53	
9	Wisconsin, Dane County, Madison, 950 Clarence	80%	59%	34%	17%	0%	0%	Average	29	
10	Wisconsin, Dane County, Madison, Dudgeon	77%	59%	35%	19%	0%	0%	Average	28	
11	Wisconsin, Dane County, Madison, Elinor Street	78%	66%	44%	22%	6%	2%	Average	32	
12	Wisconsin, Dane County, Madison, Faircrest	77%	59%	33%	18%	0%	0%	Average	27	
13	Wisconsin, Dane County, Madison, LaFollette	48%	29%	22%	0%	0%	0%	Average	16	
14	Wisconsin, Dane County, Madison, Sasy1	80%	60%	38%	16%	0%	0%	Average	29	
15	Wisconsin, Dane County, Madison, Wexford Village	68%	30%	13%	0%	0%	0%	Average	18	
16	Wisconsin, Dane County, Maple Bluff, GoPackGo	72%	45%	27%	0%	0%	0%	Average	24	
17	Wisconsin, Dane County, Mount Horeb	67%	42%	26%	2%	0%	0%	Average	21	
18	Wisconsin, Marathon County, Wausau	75%	57%	31%	0%	0%	0%	Average	26	
19	Wisconsin, Oneida County, Rhinelander	59%	45%	25%	0%	0%	0%	Average	20	
20	Wisconsin, Polk County, The Gauls	54%	27%	21%	0%	0%	0%	Average	17	
21	Wisconsin, Polk County, Prairie Road	78%	46%	36%	2%	0%	0%	Average	26	
22	Wisconsin, Polk County, Milltown, Manor A	53%	30%	18%	4%	2%	0%	Average	20	
23	Wisconsin, Sauk County, Spring Green	80%	57%	34%	9%	0%	0%	Average	26	
24	Wisconsin, Vernon County, LaFarge	60%	21%	1%	0%	0%	0%	Average	22	
25	Wisconsin, Walworth County, Whitewater, Glacier Crest	63%	43%	35%	11%	0%	0%	Average	22	
26	Canada, BC Parksville, Acacia N	9%	4%	3%	0%	0%	0%	Average	2	
27	Canada, BC Shulus, Office	7%	3%	1%	0%	0%	0%	Average	5	
28	Canada, BC Vancouver, Woodland	7%	3%	1%	0%	0%	0%	Average	5	
29	Average of all locations	65%	44%	25%	9%	2%	0%	Average PM2.5 at one monitor 3 days	22	

The locations of PM2.5 monitors may be self-selected by near neighbors of indoor residential wood burners whose wood smoke enters the yards of near neighbors and sickens them. The near neighbors may hope to use data like this to shut down their neighborhood indoor residential wood burners, presenting this to Health Departments. The near neighbors may want this form of evidence to be collected by governments.

Instructions on how to calculate this 3 day percentage data from your own PurpleAir PM2.5 monitor.

5 Excel Pages: 3 day % above NAAQS using PurpleAir PM2.5 calculation in Excel, with correlation to EPA Regulation PM2.5 monitor, using PurpleAir Data download from 1 resident-owned monitor. Example Template Wisconsin, Madison, Elinor Street 12/6/2023. Then 3 more pages for 3 day % above 50, 60 and 75 micrograms per cubic meter which are far above EPA NAAQS

2)Main Excel page. 2A)Paste of download data at A6 using Paste 123 2B)Auto 2B)After paste of PurpleAir Download. Auto correlation of PurpleAir to EPA Regulatory PM2.5 Monitor data using simple mathematical formula  $(PA \times 0.514) + 1.8304$  in Columns E through G 2C)Copy A6:G438, and then paste 123 to YELLOW page at A1, then paste 123 to Orange Page at A1, then paste 123 to RED Page at A1.

3)YELLOW Excel page 3A) 12 micrograms per cubic meter 3B)Conditional Formatting 12 plus is YELLOW cell color 3C)Sorted YELLOW cell color on top 3D)count of YELLOW cells

4)ORANGE Excel page 3A) 25 micrograms per cubic meter 3B)Conditional Formatting 12 plus is ORANGE cell color 3C)Sorted ORANGE cell color on top) 3D)count of ORANGE cells

5)RED Excel page 3A) 35 micrograms per cubic meter 3B)Conditional Formatting 12 plus is RED cell color 3C)Sorted RED cell color on top) 3D)count of RED cells

6)After number of sorted rows of YELLOW on YELLOW page, number of sorted rows of ORANGE on ORANGE page and number of sorted rows of RED on RED page 6A)entered at Main page E5, 6B)E6, and 6C)E7. This will autocalculate percent above NAAQS at 6D)B4 on Main page 6E)C4 on Main Page and 6F)D4 on Main Page.

7)Copy 7A)A1:D5 on Main Page, then 7B)Paste 123 or paste Link N (most right Paste choice)in to a Word file.

8)This Word file information is used for the chart of all residents owned monitor 3 day percent data on RAWSEP Coast to Coast, which data appears in Youtube videos, Spotify podcasts, and saved as a PDF on the RAWSEP website <https://RAWSEPresident.com>

9)Email [rawsepresidents@gmail.com](mailto:rawsepresidents@gmail.com) for Excel Template to be emailed to you, if you own a PurpleAir PM2.5 monitor, and are a near neighbor of an indoor residential wood burner whose PM2.5 smoke enters your yard and sickens you.