

OZONE SEASON SUMMARY 2019

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ACPAC

July 22, 2019



Metropolitan Washington
Council of Governments

Peak 8-Hour Average Ozone Levels (ppb)

March 2019							April 2019							May 2019						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					35	38		48	48	57	58	45	54				39	48	44	39
42	48	44	43	47	44	43	56	47	55	56	45	47	49	31	50	59	43	44	42	38
40	50	55	56	54	46	52	42	45	51	54	58	37	47	39	34	41	51	58	55	66
49	47	51	53	45	48	48	43	45	58	56	55	48	56	56	54	44	50	52	56	53
54	55	47	49	55	55	63	46	45	62					52	51	45	56	51	59	
47																				
June 2019							July 2019													
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday							
					71			53	71	61	55	57	54							
58	47	53	51	63	59	62	51	30	64	54	47	58	66							
44	30	44	51	42	41	54	59	61	76	54	47									
51	62	41	48	49	46	44														
48	59	53	66	74	76	60														
49																				

5 Code Orange Day, 41 Code Yellow Days, 94 Code Green Days

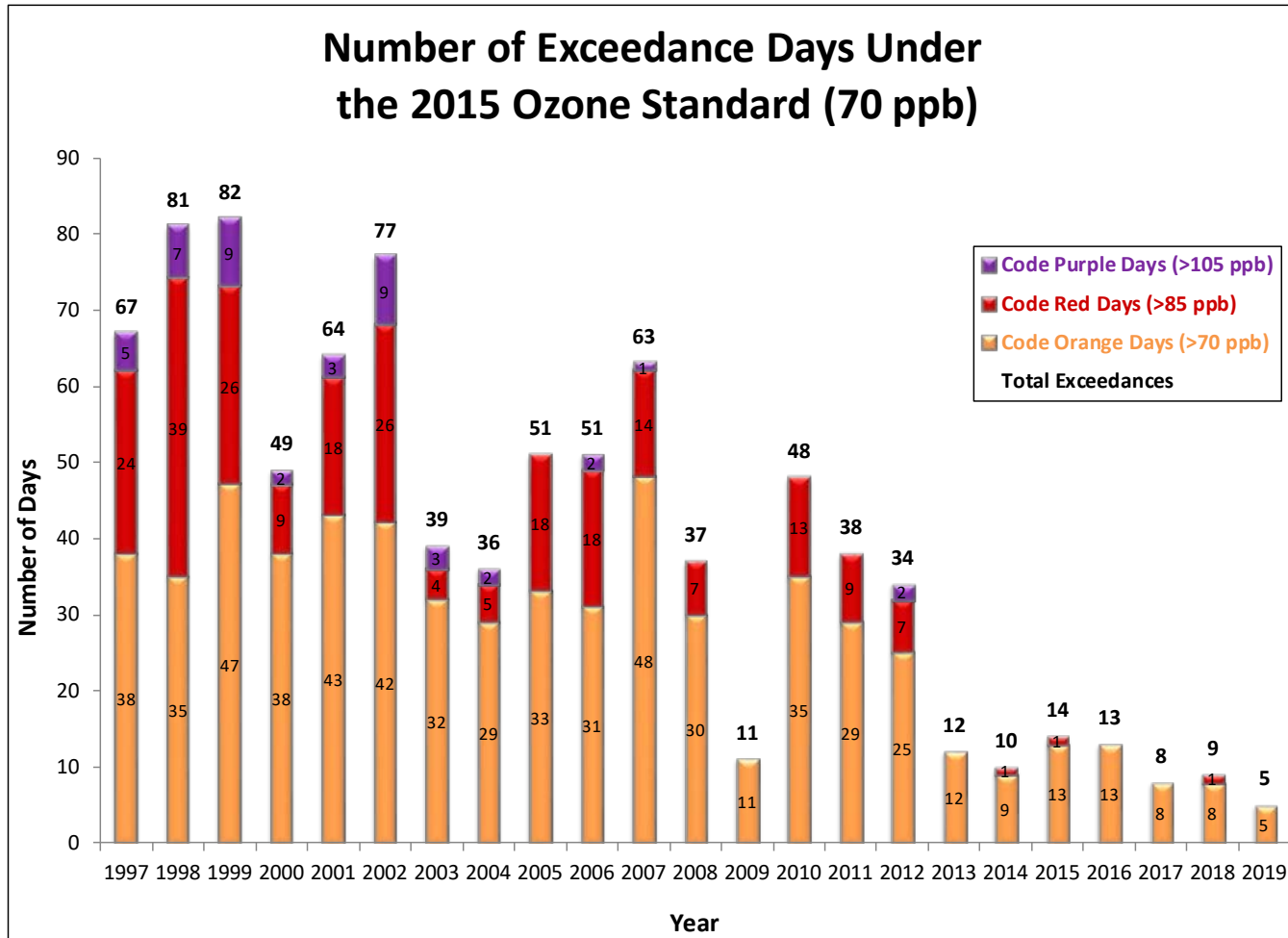
Analysis is based on draft and incomplete data as of July 19, 2019.

2019 Ozone Exceedances

Date	Monitors Exceeding	Highest Monitor	8-Hr Max (ppb)
6/1	1	Franconia	71
6/27	2	Arlington	74
6/28	2	Beltsville	76
7/2	1	Beltsville	71
7/16	4	Beltsville	76

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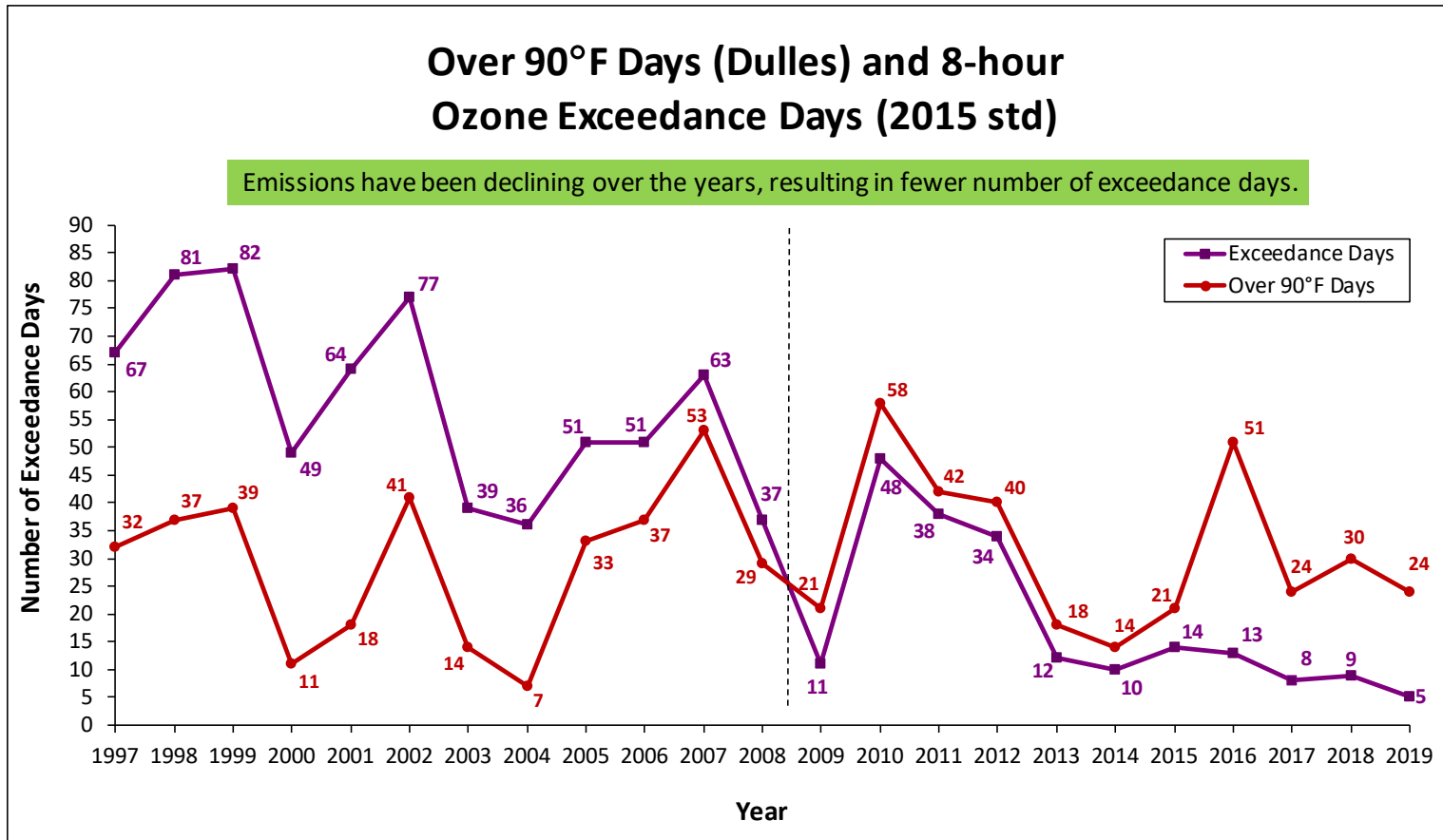
Ozone Exceedance Trend



Analysis is based on draft and incomplete data as of July 19, 2019.

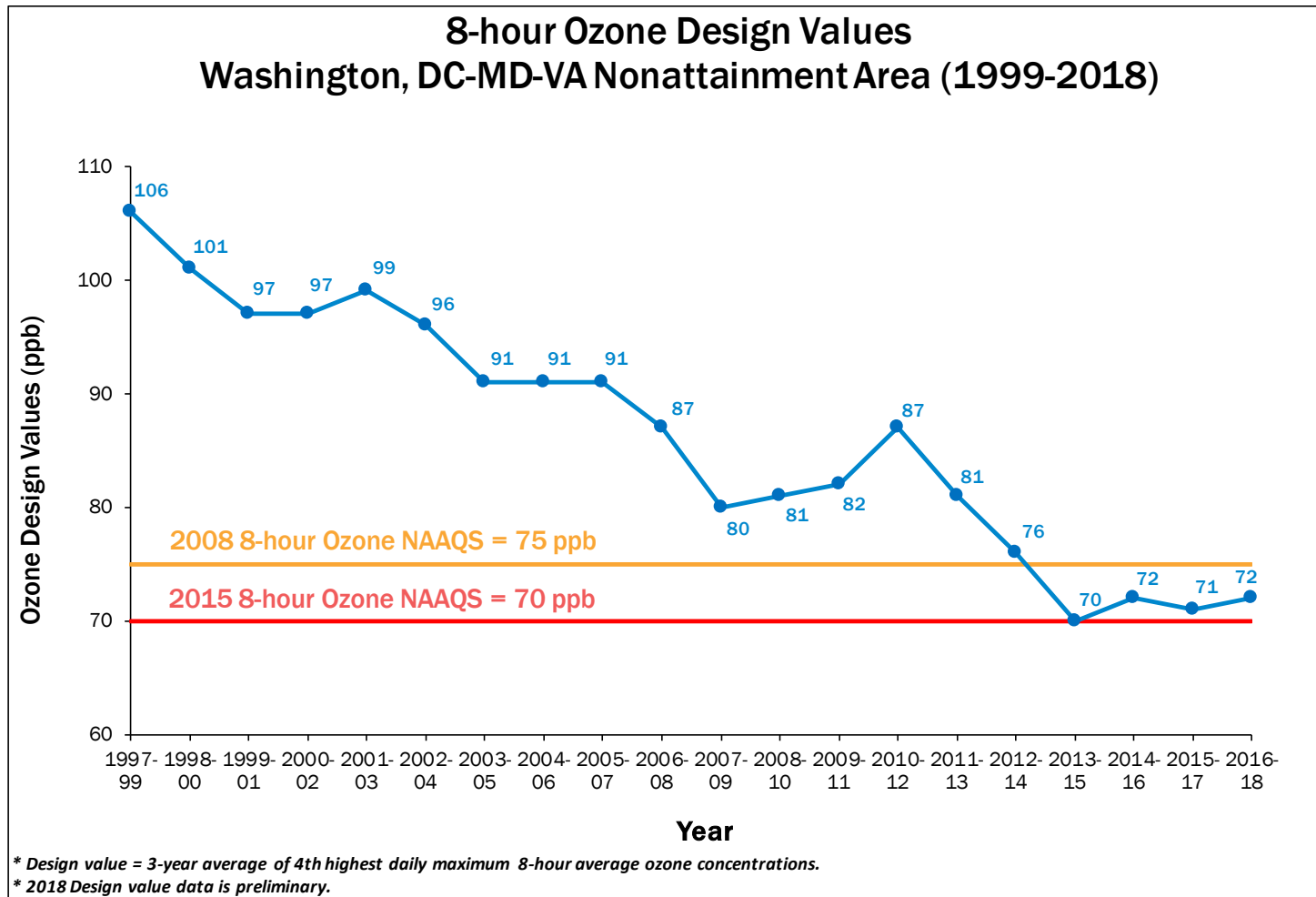


Ozone & Temperature Trend



Analysis is based on draft and incomplete data as of July 19, 2019.

Ozone Design Value Trend



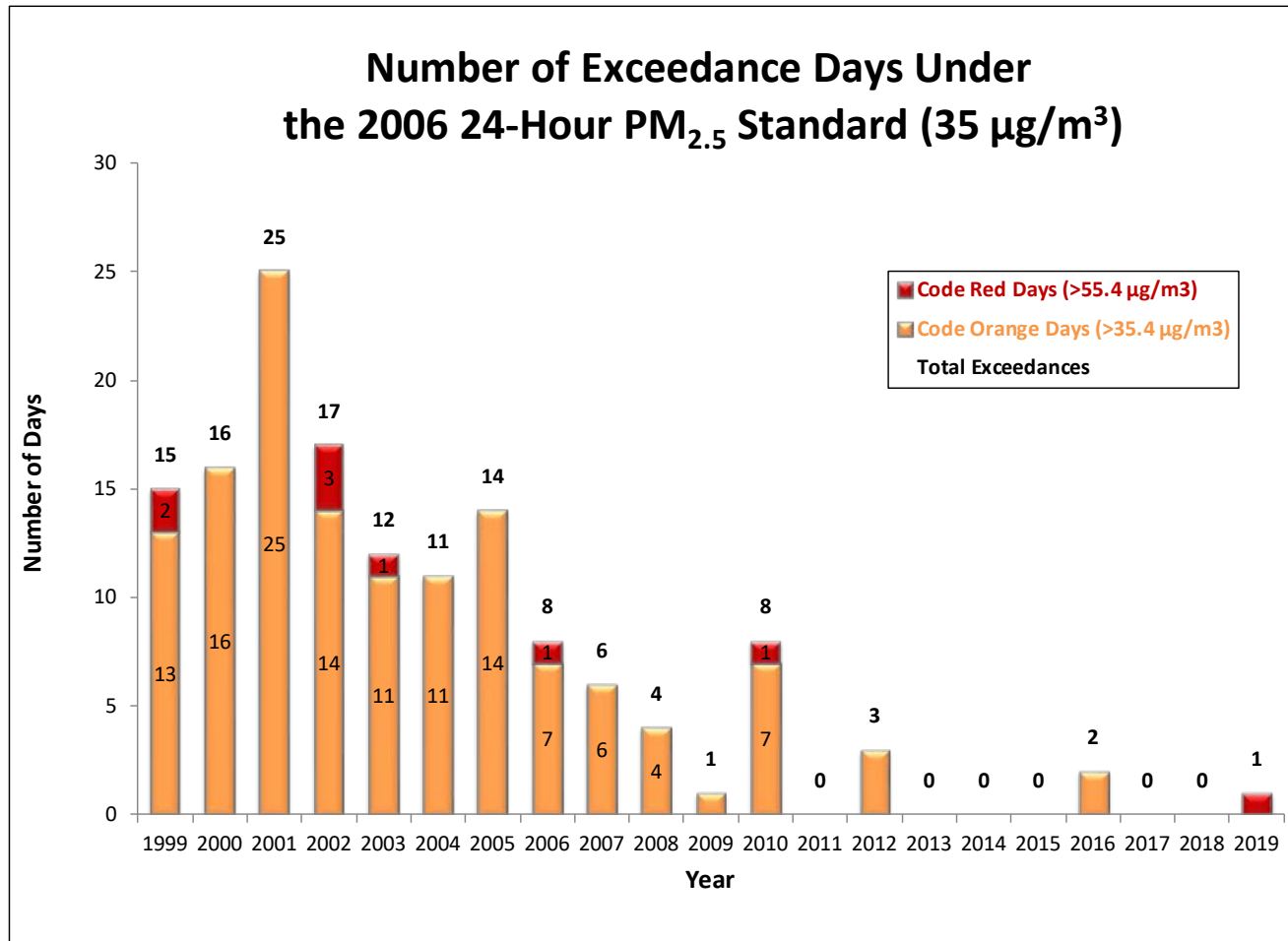
24-Hour Average PM2.5 Levels ($\mu\text{g}/\text{m}^3$)

March 2019							April 2019							May 2019						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					11.3	12.2		5.7	8.9	8.8	12.1	9.4	12.8				10.6	14.2	13.7	23.0
12.9	9.5	7.4	9.4	10.2	15.6	16.1														
9.9	4.3	8.0	12.4	9.0	8.9	4.4	11.5	9.4	7.0	7.9	5.0	8.1	7.3	8.7	3.8	7.6	10.5	6.7	6.6	7.0
5.2	9.0	9.0	12.6	4.7	5.0	4.6	7.1	3.5	4.8	6.2	10.0	9.5	4.6	2.4	3.0	3.8	6.9	16.1	13.0	15.8
6.0	11.0	4.2	6.3	9.0	10.9	15.0	3.7	5.4	9.2	7.0	10.3	8.4	4.8	15.1	10.8	4.9	6.5	12.0	19.1	9.5
10.2							5.7	5.2	13.0					15.8	13.0	13.3	13.5	8.1	7.6	
June 2019							July 2019													
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday							
						12.0		6.7	16.0	10.8	67.5	27.0	20.2							
15.1	5.8	6.6	28.9	30.6	14.9	9.5	11.1	14.2	17.4	17.2	11.0	10.6	14.0							
7.7	6.2	4.6	7.1	4.9	4.9	7.7	15.2	13.6	18.3	17.7	13.0									
13.1	10.9	9.2	8.6	9.5	5.7	5.5														
7.4	10.8	9.0	8.7	11.2	13.6	13.0														
8.2																				

1 Code Red, 41 Code Yellow Days, 98 Code Green Days

Analysis is based on draft and incomplete data as of July 19, 2019.

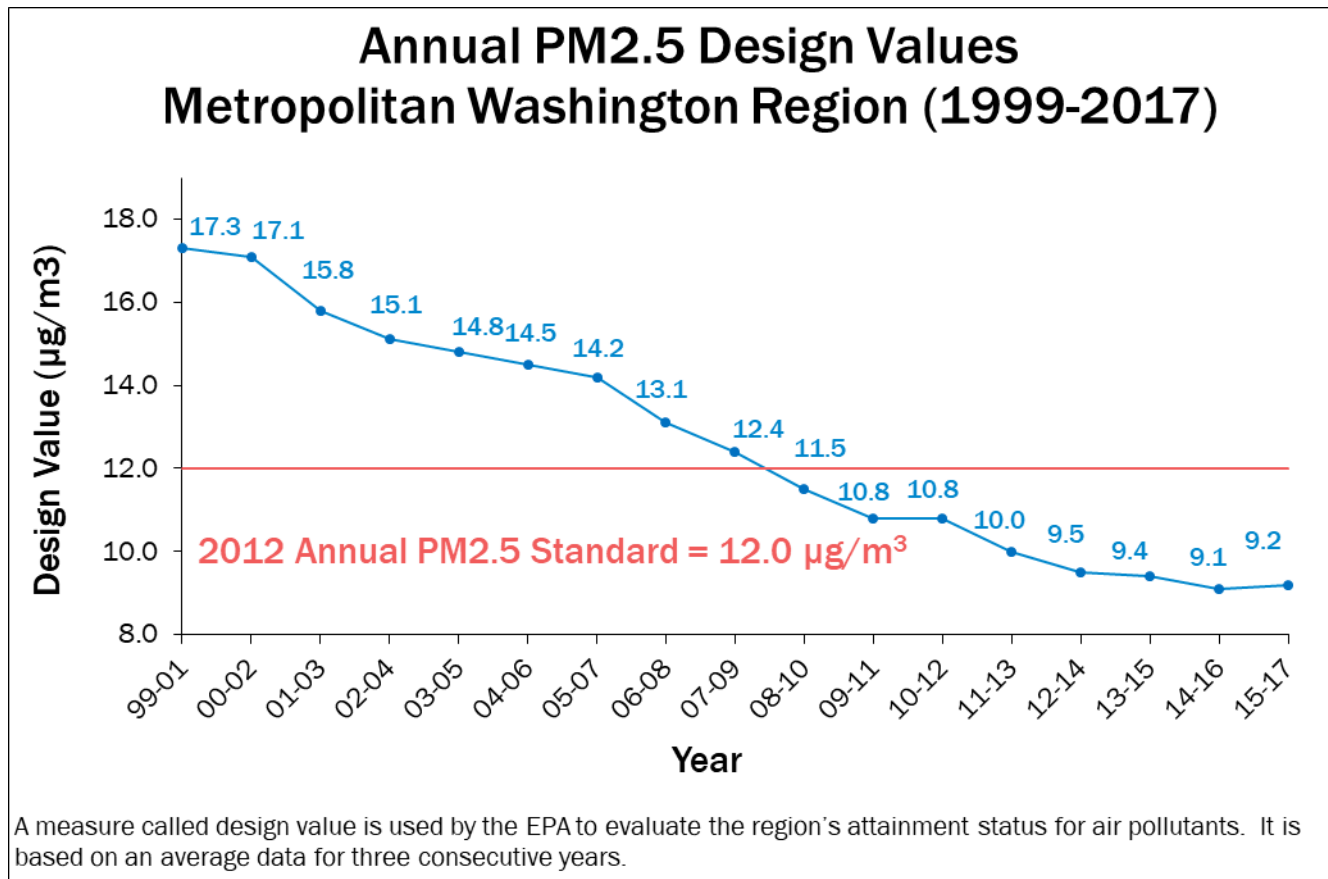
PM2.5 Exceedance Trend



Analysis is based on draft and incomplete data as of July 19, 2019.



Annual PM2.5 Design Value Trend



24-Hour PM2.5 Design Value Trend

