



# APPENDIX 3 COMMUNITY DISTRICT AVERAGE POLLUTANT LEVELS

Table A3-1: Community district, annual average PM<sub>2.5</sub> and per-year decline in levels

Borough	Geography	ID	Annual Average 2009	Annual Average 2010	Annual Average 2011	Annual Average 2012	Annual Average 2013	Annual Average 2014	Annual Average 2015	Annual Average 2016	Annual Average 2017	Slope (per year decline)
Manhattan	Midtown (CD5)	105	16.1	15.5	14.8	14.2	14.3	14.2	12.3	11.34	10.92	-0.64
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	14.1	13.1	13.1	12.3	12.3	12.4	11.2	10.21	9.77	-0.49
Bronx	Fordham and University Heights (CD5)	205	12.1	11.4	11.7	10.5	10.1	10.1	9.8	8.34	8.3	-0.48
Manhattan	Upper East Side (CD8)	108	12.9	11.9	12.1	11.2	11.1	11.2	10.2	9.1	8.87	-0.47
Bronx	Highbridge and Concourse (CD4)	204	12	11.2	11.6	10.4	10	10	9.7	8.25	8.25	-0.47
Manhattan	Washington Heights and Inwood (CD12)	112	11.6	10.7	11.1	9.9	9.5	9.5	9.4	7.79	7.77	-0.46
Bronx	Kingsbridge Heights and Bedford (CD7)	207	11.5	10.7	11.1	9.8	9.4	9.5	9.3	7.78	7.73	-0.46
Manhattan	Financial District (CD1)	101	13.1	12.1	12.3	11.3	11.1	11.4	10.6	9.56	9.04	-0.45
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	11.7	10.7	11.2	10.1	9.8	9.8	9.4	8.01	7.97	-0.45
Manhattan	Central Harlem (CD10)	110	11.6	10.6	11.1	9.9	9.6	9.7	9.3	7.89	7.88	-0.45
Manhattan	Upper West Side (CD7)	107	12.2	11	11.5	10.4	10.3	10.4	9.8	8.49	8.33	-0.44
Bronx	Morrisania and Crotona (CD3)	203	11.4	10.6	11.1	9.9	9.4	9.5	9.3	7.85	7.87	-0.44
Bronx	Belmont and East Tremont (CD6)	206	11.5	10.7	11.2	9.9	9.5	9.6	9.4	7.96	7.94	-0.44
Bronx	Riverdale and Fieldston (CD8)	208	11	10.1	10.7	9.3	8.9	9	9.2	7.49	7.4	-0.43
Manhattan	Clinton and Chelsea (CD4)	104	13.2	11.9	12.4	11.4	11.4	11.6	10.9	9.76	9.36	-0.41
Bronx	Mott Haven and Melrose (CD1)	201	11.9	10.9	11.6	10.4	10	10.1	9.9	8.55	8.54	-0.40
Manhattan	Greenwich Village and Soho (CD2)	102	12.8	11.6	12.1	11.1	10.9	11.2	10.6	9.53	9.04	-0.40
Manhattan	East Harlem (CD11)	111	11.5	10.4	11.1	10	9.7	9.8	9.5	8.17	8.09	-0.40
Bronx	Parkchester and Soundview (CD9)	209	10.8	10	10.7	9.4	8.9	9.1	9	7.6	7.62	-0.39
Queens	Rego Park and Forest Hills (CD6)	406	10.6	9.8	10.1	9.1	8.7	8.9	8.5	7.5	7.35	-0.39
Staten Island	Tottenville and Great Kills (CD3)	503	9.7	8.8	9.3	8.3	7.8	8.2	7.3	6.62	6.6	-0.38
Bronx	Morris Park and Bronxdale (CD11)	211	10.6	9.7	10.4	9.2	8.7	8.9	8.9	7.4	7.39	-0.38
Bronx	Hunts Point and Longwood (CD2)	202	11.6	10.7	11.5	10.3	9.8	10	9.8	8.49	8.49	-0.38
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	10.6	9.9	10.2	9.1	8.6	9	8.7	7.77	7.38	-0.37
Brooklyn	Flatbush and Midwood (CD14)	314	10.3	9.7	10.1	8.9	8.6	8.9	8.4	7.45	7.25	-0.37
Queens	Elmhurst and Corona (CD4)	404	10.7	9.8	10.3	9.2	8.9	9.2	8.7	7.71	7.54	-0.37
Brooklyn	Crown Heights and Prospect Heights (CD8)	308	10.8	10	10.4	9.2	8.8	9.2	8.9	7.98	7.54	-0.37
Bronx	Williamsbridge and Baychester (CD12)	212	10.6	9.6	10.4	9	8.7	8.9	9.1	7.46	7.37	-0.37
Queens	Kew Gardens and Woodhaven (CD9)	409	10.3	9.5	9.7	8.6	8.4	8.7	8.3	7.29	7.16	-0.36
Queens	Hillcrest and Fresh Meadows (CD8)	408	10	9.3	9.7	8.6	8.2	8.4	8.2	7.01	7.05	-0.36
Brooklyn	East Flatbush (CD17)	317	10.6	9.9	10.2	9.1	8.7	9.1	8.7	7.79	7.49	-0.36

Borough	Geography	ID	Annual Average 2009	Annual Average 2010	Annual Average 2011	Annual Average 2012	Annual Average 2013	Annual Average 2014	Annual Average 2015	Annual Average 2016	Annual Average 2017	Slope (per year decline)
Queens	Jackson Heights (CD3)	403	10.3	9.2	9.9	8.8	8.4	8.7	8.3	7.27	7.18	-0.36
Brooklyn	Borough Park (CD12)	312	10.3	9.6	10.1	8.9	8.5	8.9	8.5	7.49	7.29	-0.36
Brooklyn	Brownsville (CD16)	316	10.8	10	10.3	9.1	8.8	9.2	8.9	7.97	7.62	-0.36
Queens	Flushing and Whitestone (CD7)	407	10.2	9.4	10.1	8.9	8.4	8.7	8.5	7.26	7.3	-0.36
Manhattan	Lower East Side and Chinatown (CD3)	103	11.8	10.6	11.3	10.1	9.9	10.3	9.9	8.9	8.4	-0.36
Brooklyn	Bensonhurst (CD11)	311	9.8	9.2	9.7	8.6	8.2	8.6	8	7.03	7	-0.35
Queens	South Ozone Park and Howard Beach (CD10)	410	9.8	9	9.2	8.1	8	8.2	7.9	6.85	6.79	-0.35
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	10.2	9.4	10	8.8	8.4	8.8	8.4	7.39	7.26	-0.35
Bronx	Throgs Neck and Co-op City (CD10)	210	10.5	9.5	10.4	9.1	8.7	8.9	9	7.51	7.51	-0.35
Brooklyn	Bedford Stuyvesant (CD3)	303	10.8	9.9	10.4	9.2	8.8	9.3	9	8.09	7.63	-0.35
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	11.6	10.5	11.1	9.9	9.5	10	9.8	8.83	8.29	-0.35
Brooklyn	Sheepshead Bay (CD15)	315	9.6	8.9	9.5	8.3	8.1	8.4	7.8	6.78	6.85	-0.34
Staten Island	South Beach and Willowbrook (CD2)	502	9.8	8.8	9.5	8.3	8.1	8.5	7.8	6.89	6.89	-0.34
Queens	Jamaica and Hollis (CD12)	412	9.9	9.2	9.5	8.4	8.3	8.4	8.2	6.98	7.08	-0.34
Brooklyn	East New York and Starrett City (CD5)	305	10.5	9.7	10	8.9	8.7	9	8.7	7.73	7.48	-0.34
Brooklyn	Coney Island (CD13)	313	9.4	8.8	9.4	8.2	8	8.3	7.6	6.65	6.79	-0.34
Queens	Bayside and Little Neck (CD11)	411	9.7	9	9.7	8.5	8.1	8.3	8.2	6.87	7.01	-0.34
Brooklyn	Bushwick (CD4)	304	10.8	9.8	10.3	9.2	8.8	9.3	9	8.07	7.66	-0.34
Brooklyn	Flatlands and Canarsie (CD18)	318	9.8	9.1	9.5	8.3	8.2	8.5	8.1	7.08	6.99	-0.33
Staten Island	St. George and Stapleton (CD1)	501	10	8.9	9.6	8.4	8.1	8.6	8.2	7.11	7.03	-0.33
Queens	Ridgewood and Maspeth (CD5)	405	10.7	9.7	10.2	9.1	8.8	9.2	8.9	7.97	7.67	-0.33
Queens	Queens Village (CD13)	413	9.4	8.7	9.2	8.1	7.9	8	7.9	6.53	6.77	-0.33
Brooklyn	Sunset Park (CD7)	307	11.1	10.3	10.9	9.7	9.2	9.7	9.6	8.52	8.17	-0.33
Queens	Long Island City and Astoria (CD1)	401	10.7	9.4	10.4	9.2	8.9	9.2	9	7.82	7.69	-0.33
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	11.4	10.4	11.1	9.9	9.4	9.9	9.9	8.86	8.38	-0.32
Queens	Rockaway and Broad Channel (CD14)	414	8.8	8	8.4	7.4	7.6	7.7	7.2	5.98	6.32	-0.30
Queens	Woodside and Sunnyside (CD2)	402	11.9	10.6	11.5	10.3	10.1	10.5	10.3	9.27	8.93	-0.30
Brooklyn	Greenpoint and Williamsburg (CD1)	301	12	10.7	11.6	10.4	10.1	10.6	10.6	9.55	9.06	-0.28

Table A3-2: Community district, annual average NO<sub>2</sub> and per-year decline in levels

Borough	Geography	ID	Annual Average 2009	Annual Average 2010	Annual Average 2011	Annual Average 2012	Annual Average 2013	Annual Average 2014	Annual Average 2015	Annual Average 2016	Annual Average 2017	Slope (per year decline)
Manhattan	Midtown (CD5)	105	46.8	42.1	41.8	40	38.7	37.1	32.9	31.64	32	-1.85
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	39.9	36.2	36.4	34.5	33.4	32.2	29.3	28.4	28.44	-1.43
Manhattan	Financial District (CD1)	101	36.6	33.4	33.5	31.1	30.3	28.9	26.7	26.27	25.94	-1.33
Manhattan	Clinton and Chelsea (CD4)	104	36.3	32.9	33.5	31.4	30.6	29.2	27.3	26.68	26.64	-1.20
Manhattan	Upper East Side (CD8)	108	34.5	31.2	31.7	29.6	28.7	27.8	25.8	24.91	25.14	-1.17
Manhattan	Greenwich Village and Soho (CD2)	102	34.8	31.8	32.3	30.1	29.3	28.1	26.3	25.94	25.68	-1.13
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	31	27.6	28.1	25.5	25.2	23.6	22.9	22	22.44	-1.06
Manhattan	Upper West Side (CD7)	107	31.9	28.6	29.3	27.1	26.5	25.1	23.9	23.15	23.39	-1.05
Manhattan	Central Harlem (CD10)	110	31.2	27.9	28.3	25.9	25.4	24	23.3	22.27	22.74	-1.04
Manhattan	Lower East Side and Chinatown (CD3)	103	31.8	29.2	29.7	27.4	26.6	25.7	24.3	24	23.65	-1.01
Bronx	Highbridge and Concourse (CD4)	204	29.7	26.6	26.9	24.5	24	22.7	22.4	21.21	21.8	-0.98
Manhattan	Washington Heights and Inwood (CD12)	112	27.9	24.7	25	22.6	22.3	20.6	20.7	19.36	20.14	-0.96
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	29.3	27.1	27.4	24.8	24.2	23.4	22.4	22.16	21.66	-0.95
Bronx	Fordham and University Heights (CD5)	205	29.6	26.5	26.8	24.6	23.9	22.7	22.7	21.18	21.96	-0.94
Manhattan	East Harlem (CD11)	111	29.8	27	27.6	25.2	24.7	23.6	22.9	22.09	22.33	-0.93
Brooklyn	Crown Heights and Prospect Heights (CD8)	308	27.8	25.9	26	23.4	22.8	22.3	21.3	20.74	20.54	-0.92
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	27	25.3	25.2	22.7	22.1	21.7	20.8	20.11	19.95	-0.89
Brooklyn	Bedford Stuyvesant (CD3)	303	27.6	25.7	25.9	23.5	22.8	22.2	21.3	20.79	20.59	-0.89
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	27.7	25.9	26	23.3	22.7	22	21.4	21.17	20.62	-0.88
Bronx	Morrisania and Crotona (CD3)	203	27.7	25	25.3	23	22.3	21.6	21.4	20.07	20.78	-0.86
Bronx	Mott Haven and Melrose (CD1)	201	28.1	25.5	25.9	23.5	22.9	22.1	21.8	20.84	21.25	-0.85
Brooklyn	Sunset Park (CD7)	307	25.5	24	24	21.2	20.7	20.3	19.8	19.44	18.96	-0.82
Brooklyn	Brownsville (CD16)	316	25.6	24	24.2	21.9	21.4	20.9	20.1	19.29	19.3	-0.81
Bronx	Kingsbridge Heights and Bedford (CD7)	207	26.7	23.8	24.2	22.5	21.5	20.7	20.9	19.15	20.3	-0.80
Brooklyn	Bushwick (CD4)	304	25.9	24.2	24.7	22.4	21.7	21.2	20.3	19.82	19.75	-0.80
Bronx	Belmont and East Tremont (CD6)	206	27.1	24.4	24.8	22.8	21.9	21.4	21.4	19.86	20.72	-0.79
Brooklyn	East Flatbush (CD17)	317	25.1	23.6	23.6	21.3	20.7	20.5	19.8	18.94	18.93	-0.78
Brooklyn	Borough Park (CD12)	312	25.2	23.8	23.6	21.1	20.5	20.6	19.9	19.12	19.03	-0.78
Brooklyn	Flatbush and Midwood (CD14)	314	24.4	23	22.9	20.5	19.9	20	19.3	18.29	18.32	-0.77
Brooklyn	Greenpoint and Williamsburg (CD1)	301	27	25.2	25.9	23.6	22.9	22.4	21.7	21.38	21.15	-0.74
Queens	Rego Park and Forest Hills (CD6)	406	25	23.5	24.1	21.8	21.1	20.9	20	19.31	19.33	-0.74
Bronx	Riverdale and Fieldston (CD8)	208	23.2	20.1	20.8	19.1	18.2	17.1	17.8	16.04	17.3	-0.73
Queens	Elmhurst and Corona (CD4)	404	26.9	25.3	25.9	23.7	22.8	22.8	21.9	21.21	21.26	-0.73
Bronx	Hunts Point and Longwood (CD2)	202	26.1	23.9	24.3	22.1	21.3	21	20.9	19.79	20.3	-0.72
Brooklyn	East New York and Starrett City (CD5)	305	23.4	22	22.4	20.2	19.8	19.3	18.7	17.83	17.92	-0.71
Queens	Kew Gardens and Woodhaven (CD9)	409	24.1	22.8	23.3	21	20.6	20.1	19.5	18.69	18.76	-0.70
Queens	Ridgewood and Maspeth (CD5)	405	24.1	22.6	23.3	21.1	20.4	20.1	19.4	18.83	18.8	-0.69
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	23.6	22.4	22.6	20.1	19.5	19.6	19.2	18.54	18.24	-0.67
Queens	Jackson Heights (CD3)	403	25.6	24	24.7	22.6	21.6	21.7	21	20.32	20.48	-0.66
Queens	Woodside and Sunnyside (CD2)	402	25.9	24.1	25.1	23	22.1	21.9	21.2	20.79	20.72	-0.66
Queens	Long Island City and Astoria (CD1)	401	25.4	23.5	24.4	22.2	21.4	21.2	20.6	20.07	20.26	-0.66

Borough	Geography	ID	Annual Average 2009	Annual Average 2010	Annual Average 2011	Annual Average 2012	Annual Average 2013	Annual Average 2014	Annual Average 2015	Annual Average 2016	Annual Average 2017	Slope (per year decline)
Bronx	Parkchester and Soundview (CD9)	209	24.6	22.6	23	21.1	19.9	20.2	20.1	18.81	19.49	-0.64
Queens	South Ozone Park and Howard Beach (CD10)	410	22.2	21	21.5	19.3	19	18.6	18.2	17.21	17.42	-0.63
Queens	Hillcrest and Fresh Meadows (CD8)	408	22.4	21.3	21.7	19.4	18.7	18.8	18.3	17.63	17.66	-0.62
Brooklyn	Bensonhurst (CD11)	311	23	21.9	21.9	19.7	19	19.7	19.1	18.05	18.15	-0.61
Queens	Jamaica and Hollis (CD12)	412	22.3	21.3	21.6	19.4	19.1	18.9	18.5	17.63	17.79	-0.60
Brooklyn	Flatlands and Canarsie (CD18)	318	20.3	19.2	19.2	17.3	16.7	17.1	16.6	15.36	15.71	-0.59
Queens	Flushing and Whitestone (CD7)	407	22.7	21.5	21.9	19.8	18.7	19.4	19	18.2	18.45	-0.55
Staten Island	St. George and Stapleton (CD1)	501	20.7	19.3	20.5	18.1	17.6	17.1	16.9	16.86	16.4	-0.55
Bronx	Morris Park and Bronxdale (CD11)	211	23.4	21.2	21.8	20.4	19	19.4	19.6	17.91	19.04	-0.55
Brooklyn	Sheepshead Bay (CD15)	315	20.4	19.4	19.4	17.6	16.8	18	17.4	15.91	16.39	-0.50
Bronx	Williamsbridge and Baychester (CD12)	212	22.1	19.7	20.6	19.5	18	18.3	19	16.93	18.35	-0.46
Queens	Bayside and Little Neck (CD11)	411	20.5	19.6	19.9	17.9	16.8	17.8	17.6	16.78	16.94	-0.46
Queens	Queens Village (CD13)	413	19.9	19.1	19.3	17.4	16.9	17.3	17.2	16.21	16.49	-0.44
Brooklyn	Coney Island (CD13)	313	18.4	17.6	17.7	16	15.1	16.6	16.1	14.64	15.09	-0.41
Staten Island	South Beach and Willowbrook (CD2)	502	16.5	15.2	16.3	14.5	13.8	14	13.6	13.36	13.19	-0.41
Bronx	Throgs Neck and Co-op City (CD10)	210	21.3	19.8	20.4	19	17.4	18.5	18.8	17.23	18.07	-0.41
Staten Island	Tottenville and Great Kills (CD3)	503	14.7	13	13.3	12.4	11.4	12.5	11.8	11.44	11.64	-0.33
Queens	Rockaway and Broad Channel (CD14)	414	14.6	13.9	14.2	13	12.5	13.7	13.4	11.6	12.55	-0.27

Table A3-3: Community district, annual average NO and per-year decline in levels

Borough	Geography	ID	Annual Average 2009	Annual Average 2010	Annual Average 2011	Annual Average 2012	Annual Average 2013	Annual Average 2014	Annual Average 2015	Annual Average 2016	Annual Average 2017	Slope (per year decline)
Manhattan	Midtown (CD5)	105	57.7	52.1	56	48.1	43.4	47.8	40.4	29.85	26.28	-3.73
Manhattan	Upper East Side (CD8)	108	51.8	46	50	42.2	37.7	41.3	34.2	27.23	23.91	-3.34
Manhattan	Upper West Side (CD7)	107	46.6	40.9	44.6	37.4	33.2	37.3	30.4	22.34	19.91	-3.18
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	49.3	44.7	48.2	41.2	37.4	42.3	36.4	27.43	23.85	-2.94
Manhattan	Greenwich Village and Soho (CD2)	102	52.7	46.4	50.7	41.7	37.2	42.3	34.4	32.85	29.38	-2.77
Manhattan	Clinton and Chelsea (CD4)	104	44.2	39.1	42.7	35.7	32.1	37.5	30.8	26.98	23.87	-2.33
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	34.1	29	31.9	26	23	27.5	22	16.92	15.12	-2.17
Bronx	Fordham and University Heights (CD5)	205	34.2	29.2	31.6	26.3	23.7	27.1	22.8	17.32	15.41	-2.13
Manhattan	Central Harlem (CD10)	110	33.6	28.3	31.4	25.3	22.4	26.9	21.4	17.22	15.36	-2.08
Manhattan	Washington Heights and Inwood (CD12)	112	32.3	27.2	29.6	24.4	21.7	25.5	20.7	16.36	14.74	-1.99
Bronx	Highbridge and Concourse (CD4)	204	32.3	27.7	30.2	24.9	22.2	26	21.8	16.75	14.82	-1.97
Manhattan	Lower East Side and Chinatown (CD3)	103	40.9	36	39.6	31.9	28.7	34.4	28.1	27	23.85	-1.93
Manhattan	East Harlem (CD11)	111	33.4	28.9	31.9	26.2	23.5	28.3	23.4	18.56	16.22	-1.91
Bronx	Kingsbridge Heights and Bedford (CD7)	207	31.1	26.1	28.4	23.3	20.8	23.6	20.1	15.84	14.31	-1.90
Manhattan	Financial District (CD1)	101	39.5	35.6	38.7	32.3	29.4	35.2	29.7	25.8	22.86	-1.85
Bronx	Belmont and East Tremont (CD6)	206	29.7	25	27.5	22.4	20.2	23.4	20	16.53	14.62	-1.66
Bronx	Mott Haven and Melrose (CD1)	201	28.4	24.3	26.9	21.8	19.5	23.9	19.9	16.34	14.28	-1.54
Bronx	Morrisania and Crotona (CD3)	203	27.6	23.2	25.8	20.6	18.4	22.1	18.8	15.35	13.55	-1.54
Queens	Rego Park and Forest Hills (CD6)	406	27.5	24.9	27.3	21.5	19.4	23.2	20.8	18.17	14.67	-1.38
Bronx	Riverdale and Fieldston (CD8)	208	24.4	19.6	21.5	17.1	15.1	18.5	15	13.11	12	-1.34
Bronx	Hunts Point and Longwood (CD2)	202	26.1	22.2	24.8	19.8	17.7	21.4	18.4	15.69	13.63	-1.34
Queens	Elmhurst and Corona (CD4)	404	26.6	23.8	26.4	20.6	18.5	22.9	20.1	17.82	14.7	-1.26
Queens	Woodside and Sunnyside (CD2)	402	27.1	23.9	26.6	20.9	18.7	24.3	20.2	17.98	15.31	-1.24
Queens	Hillcrest and Fresh Meadows (CD8)	408	24	21.8	24.3	18.9	17.1	19.2	18.4	16.11	12.6	-1.24
Queens	Jackson Heights (CD3)	403	24.9	21.8	24.5	18.9	16.8	21.1	18.3	15.93	13.37	-1.23
Queens	Long Island City and Astoria (CD1)	401	24.7	21.2	24	18.5	16.3	21.3	17.4	15.36	13.22	-1.23
Queens	Jamaica and Hollis (CD12)	412	23	21.3	23.7	18.5	16.8	18.3	17.8	15.64	11.9	-1.22
Bronx	Parkchester and Soundview (CD9)	209	25.8	22.2	24.6	19.8	17.9	20.9	18.8	16.63	14.32	-1.22
Brooklyn	Crown Heights and Prospect Heights (CD8)	308	28.3	25.3	27.9	21.6	18.9	24.1	20.6	19.9	17.15	-1.22
Queens	Bayside and Little Neck (CD11)	411	22.6	20.5	23.2	18.1	16.5	17.3	17.4	15.08	11.75	-1.20
Queens	Queens Village (CD13)	413	21.3	19.9	22.4	17.6	16	16.2	16.7	14.39	10.78	-1.19
Bronx	Morris Park and Bronxdale (CD11)	211	23.7	19.8	22	17.4	15.8	18.4	16.5	14.21	12.56	-1.19
Queens	Kew Gardens and Woodhaven (CD9)	409	24.5	22.3	24.6	19	17	20.6	18.7	17.11	13.57	-1.16
Queens	Flushing and Whitestone (CD7)	407	23.1	20.4	23	17.8	16	18.3	17.2	15.2	12.41	-1.16
Brooklyn	Bushwick (CD4)	304	26.2	23.3	25.8	19.5	16.9	22.2	18.9	18.54	15.75	-1.12
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	26.7	24.3	26.8	21.1	18.9	23.8	20.5	19.32	16.57	-1.09
Bronx	Williamsbridge and Baychester (CD12)	212	23.1	18.9	20.9	16.6	15	17.6	15.9	14.13	12.65	-1.09
Brooklyn	Greenpoint and Williamsburg (CD1)	301	27.6	24.5	27.2	21.1	18.6	24.6	20.5	20.06	17.34	-1.07

Borough	Geography	ID	Annual Average 2009	Annual Average 2010	Annual Average 2011	Annual Average 2012	Annual Average 2013	Annual Average 2014	Annual Average 2015	Annual Average 2016	Annual Average 2017	Slope (per year decline)
Bronx	Throgs Neck and Co-op City (CD10)	210	24	20.7	23.1	18.4	16.9	19.1	18.2	16.14	13.68	-1.07
Brooklyn	Flatbush and Midwood (CD14)	314	24.4	22.6	25.2	20.3	18.3	22.1	19.6	17.37	14.72	-1.06
Queens	South Ozone Park and Howard Beach (CD10)	410	22.4	20.8	22.8	17.7	15.9	19	17.5	16.1	12.6	-1.04
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	30	27	29.7	23.8	21.4	27.3	23.3	22.95	20.01	-1.02
Queens	Ridgewood and Maspeth (CD5)	405	23.9	21.4	23.7	18	15.9	20.9	18.1	17.19	14.29	-0.99
Brooklyn	Bedford Stuyvesant (CD3)	303	25.7	22.9	25.4	19.4	16.9	22.4	19.5	19.03	16.37	-0.96
Brooklyn	East Flatbush (CD17)	317	24.3	22.4	24.7	19.5	17.5	21.9	19.4	18.17	15.29	-0.95
Brooklyn	Brownsville (CD16)	316	24.4	22.2	24.4	18.8	16.4	21.2	18.9	18.3	15.28	-0.95
Brooklyn	East New York and Starrett City (CD5)	305	23.8	21.9	24	18.6	16.6	20.8	18.7	18.08	14.62	-0.94
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	25.9	23.2	25.9	20.2	17.6	23.2	19.8	19.42	17.01	-0.94
Queens	Rockaway and Broad Channel (CD14)	414	18.2	18	20.3	16.8	15.3	15.5	15.9	13.59	10.12	-0.93
Brooklyn	Borough Park (CD12)	312	21.6	19.9	22.6	17.9	15.9	19.8	17.5	16.14	13.81	-0.85
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	21.1	19.4	22.3	17.9	15.9	19.5	17.5	15.66	13.3	-0.84
Brooklyn	Bensonhurst (CD11)	311	20	18.7	21.4	17.4	15.5	18.4	16.9	14.91	12.52	-0.82
Brooklyn	Sunset Park (CD7)	307	23.6	21.4	24.1	19	16.8	21.5	18.7	18.21	15.79	-0.82
Brooklyn	Sheepshead Bay (CD15)	315	19.2	18.5	21	17.3	15.6	17.8	17	14.65	11.98	-0.80
Brooklyn	Flatlands and Canarsie (CD18)	318	19.6	18.6	20.8	16.4	14.8	18.1	16.7	15.48	12.67	-0.73
Staten Island	Tottenville and Great Kills (CD3)	503	12.9	11.2	12.7	12.5	10.7	9.8	9.6	8.93	6.65	-0.68
Staten Island	St. George and Stapleton (CD1)	501	16.8	14.7	17.3	14.2	12.3	15.4	13.1	12.34	10.24	-0.68
Brooklyn	Coney Island (CD13)	313	17.3	16.6	19.2	16.1	14.4	16.1	15.6	13.72	11.18	-0.67
Staten Island	South Beach and Willowbrook (CD2)	502	14.7	12.8	15.1	13.2	11.3	12.9	11.5	10.83	8.61	-0.63

Table A3-4: Community district, annual average BC and per-year decline in levels

Borough	Geography	ID	Annual Average 2009	Annual Average 2010	Annual Average 2011	Annual Average 2012	Annual Average 2013	Annual Average 2014	Annual Average 2015	Annual Average 2016	Annual Average 2017	Slope (per year decline)
Bronx	Highbridge and Concourse (CD4)	204	1.5	1.5	1.5	1.3	1.4	1.3	1.2	1.07	0.98	-0.07
Bronx	Riverdale and Fieldston (CD8)	208	1.3	1.2	1.2	1.1	1.1	1	1	0.81	0.75	-0.06
Manhattan	Washington Heights and Inwood (CD12)	112	1.4	1.4	1.4	1.3	1.3	1.2	1.1	1	0.91	-0.06
Bronx	Morrisania and Crotona (CD3)	203	1.4	1.4	1.4	1.2	1.2	1.2	1.1	0.97	0.91	-0.06
Bronx	Belmont and East Tremont (CD6)	206	1.4	1.4	1.4	1.3	1.3	1.2	1.1	1.01	0.92	-0.06
Manhattan	Midtown (CD5)	105	1.9	1.8	1.9	1.8	1.7	1.8	1.7	1.61	1.2	-0.06
Bronx	Fordham and University Heights (CD5)	205	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.12	0.97	-0.06
Bronx	Parkchester and Soundview (CD9)	209	1.3	1.3	1.3	1.1	1.1	1.1	1	0.9	0.84	-0.06
Manhattan	Central Harlem (CD10)	110	1.5	1.4	1.5	1.3	1.3	1.3	1.2	1.09	0.98	-0.06
Manhattan	Upper East Side (CD8)	108	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.33	1.01	-0.06
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	1.4	1.4	1.4	1.3	1.3	1.2	1.1	1.03	0.96	-0.06
Bronx	Mott Haven and Melrose (CD1)	201	1.5	1.5	1.5	1.4	1.4	1.3	1.2	1.12	1.07	-0.06
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.37	1.05	-0.06
Bronx	Kingsbridge Heights and Bedford (CD7)	207	1.3	1.3	1.3	1.2	1.2	1.1	1.1	0.92	0.89	-0.05
Manhattan	Greenwich Village and Soho (CD2)	102	1.8	1.7	1.8	1.6	1.6	1.6	1.6	1.53	1.22	-0.05
Bronx	Throgs Neck and Co-op City (CD10)	210	1.2	1.2	1.2	1.1	1.1	1	1	0.88	0.76	-0.05
Manhattan	Upper West Side (CD7)	107	1.5	1.4	1.5	1.3	1.3	1.3	1.3	1.14	1	-0.05
Bronx	Williamsbridge and Baychester (CD12)	212	1.2	1.2	1.2	1.1	1.1	1	1	0.82	0.82	-0.05
Bronx	Hunts Point and Longwood (CD2)	202	1.4	1.5	1.5	1.3	1.3	1.3	1.2	1.08	1.09	-0.05
Bronx	Morris Park and Bronxdale (CD11)	211	1.2	1.2	1.2	1.1	1.1	1	1	0.83	0.84	-0.05
Manhattan	East Harlem (CD11)	111	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.1	0.97	-0.05
Manhattan	Clinton and Chelsea (CD4)	104	1.7	1.6	1.6	1.6	1.5	1.6	1.5	1.39	1.16	-0.05
Queens	Flushing and Whitestone (CD7)	407	1.1	1.1	1.1	1	1	0.9	0.9	0.8	0.72	-0.05
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.04	0.89	-0.05
Queens	Woodside and Sunnyside (CD2)	402	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.21	1.12	-0.05
Manhattan	Lower East Side and Chinatown (CD3)	103	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.29	1.09	-0.05
Queens	Rego Park and Forest Hills (CD6)	406	1.1	1.1	1.1	1	0.9	0.9	0.9	0.83	0.73	-0.05
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.06	0.91	-0.05
Brooklyn	East New York and Starrett City (CD5)	305	1.1	1.1	1	1	0.9	0.8	0.9	0.83	0.71	-0.05
Queens	Long Island City and Astoria (CD1)	401	1.2	1.2	1.2	1.1	1.1	1	1	0.88	0.89	-0.05
Brooklyn	Flatbush and Midwood (CD14)	314	1	1	1	0.9	0.8	0.8	0.8	0.75	0.64	-0.04
Queens	Hillcrest and Fresh Meadows (CD8)	408	1	1	1	0.9	0.9	0.8	0.8	0.77	0.63	-0.04
Queens	Elmhurst and Corona (CD4)	404	1.2	1.1	1.1	1	1	1	0.9	0.87	0.83	-0.04
Queens	Bayside and Little Neck (CD11)	411	1	1	1	0.9	0.9	0.9	0.8	0.77	0.63	-0.04
Brooklyn	East Flatbush (CD17)	317	1	1.1	1	1	0.9	0.8	0.8	0.81	0.73	-0.04
Manhattan	Financial District (CD1)	101	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.15	1.05	-0.04
Brooklyn	Borough Park (CD12)	312	1	1	1	0.9	0.8	0.8	0.8	0.74	0.69	-0.04

Borough	Geography	ID	Annual Average 2009	Annual Average 2010	Annual Average 2011	Annual Average 2012	Annual Average 2013	Annual Average 2014	Annual Average 2015	Annual Average 2016	Annual Average 2017	Slope (per year decline)
Brooklyn	Flatlands and Canarsie (CD18)	318	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.68	0.57	-0.04
Queens	Ridgewood and Maspeth (CD5)	405	1.1	1.1	1.1	1	1	0.9	0.9	0.86	0.79	-0.04
Brooklyn	Brownsville (CD16)	316	1.1	1.1	1.1	1	0.9	0.9	0.9	0.85	0.8	-0.04
Brooklyn	Sunset Park (CD7)	307	1.2	1.2	1.2	1.1	1.1	1	1	0.99	0.87	-0.04
Brooklyn	Crown Heights and Prospect Heights (CD8)	308	1.1	1.1	1.1	1	0.9	0.9	0.9	0.87	0.79	-0.04
Brooklyn	Coney Island (CD13)	313	0.8	0.9	0.9	0.8	0.7	0.6	0.6	0.65	0.58	-0.04
Queens	Kew Gardens and Woodhaven (CD9)	409	1	1	1	0.9	0.8	0.8	0.8	0.77	0.69	-0.04
Brooklyn	Greenpoint and Williamsburg (CD1)	301	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.22	1.11	-0.04
Queens	South Ozone Park and Howard Beach (CD10)	410	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.68	0.6	-0.04
Brooklyn	Bedford Stuyvesant (CD3)	303	1.1	1.1	1	1	0.9	0.9	0.9	0.83	0.79	-0.04
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	1	1	1	0.9	0.9	0.8	0.8	0.78	0.71	-0.04
Queens	Jackson Heights (CD3)	403	1.1	1	1.1	1	0.9	0.9	0.9	0.77	0.82	-0.04
Staten Island	South Beach and Willowbrook (CD2)	502	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.69	0.61	-0.04
Brooklyn	Sheepshead Bay (CD15)	315	0.8	0.9	0.9	0.8	0.7	0.6	0.7	0.67	0.55	-0.04
Brooklyn	Bushwick (CD4)	304	1.1	1.1	1.1	1	1	0.9	0.9	0.87	0.84	-0.04
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	1	1	1	1	0.9	0.9	0.8	0.81	0.71	-0.04
Staten Island	St. George and Stapleton (CD1)	501	1	0.9	0.9	0.9	0.8	0.8	0.7	0.72	0.71	-0.04
Brooklyn	Bensonhurst (CD11)	311	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.66	-0.03
Staten Island	Tottenville and Great Kills (CD3)	503	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.63	0.54	-0.03
Queens	Jamaica and Hollis (CD12)	412	0.9	1	0.9	0.9	0.8	0.8	0.8	0.75	0.66	-0.03
Queens	Queens Village (CD13)	413	0.8	0.9	0.9	0.8	0.7	0.7	0.7	0.68	0.59	-0.03
Queens	Rockaway and Broad Channel (CD14)	414	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.56	0.37	-0.03



Table A3-5: Community district, summertime average O<sub>3</sub> and per-year change in levels

Borough	Geography	ID	Summer Average 2009	Summer Average 2010	Summer Average 2011	Summer Average 2012	Summer Average 2013	Summer Average 2014	Summer Average 2015	Summer Average 2016	Summer Average 2017	Slope (per year decline)
Brooklyn	Coney Island (CD13)	313	30.6	37.4	37.5	37.9	34.6	33.2	35.8	36.33	32.41	-0.07
Queens	Rockaway and Broad Channel (CD14)	414	33.7	39.1	39.1	40.4	36.9	36.3	37.5	38.26	35.3	-0.06
Bronx	Throgs Neck and Co-op City (CD10)	210	27.8	35	34.9	36	32.6	32.5	31.7	34	30.23	-0.05
Staten Island	Tottenville and Great Kills (CD3)	503	27.6	36.5	35.9	35.3	32.6	31.9	34.1	36.19	28.81	-0.05
Bronx	Williamsbridge and Baychester (CD12)	212	26.6	33.8	33.2	35	31.6	31.4	29.8	33.19	28.93	-0.05
Brooklyn	Sheepshead Bay (CD15)	315	29.3	36.2	36.2	36.8	33.6	32.4	34.8	35.37	31.68	0.00
Staten Island	South Beach and Willowbrook (CD2)	502	27	35.2	34.1	33.7	31.3	31.6	32.5	35.11	28.74	0.02
Bronx	Morris Park and Bronxdale (CD11)	211	26.1	33.7	33.5	35	31.6	31.4	30.5	33.21	29.23	0.02
Brooklyn	Bensonhurst (CD11)	311	27.4	34.9	34.5	34.9	32	31.5	33.4	34.51	30.53	0.10
Bronx	Parkchester and Soundview (CD9)	209	25.6	33.5	33.6	34.9	31.5	31.3	31.2	33.25	29.33	0.10
Queens	Long Island City and Astoria (CD1)	401	26.3	33.5	33.3	34.5	31.2	31.1	31.8	33.44	29.47	0.10
Brooklyn	Flatlands and Canarsie (CD18)	318	28.9	36.1	35.9	36.6	33.6	33.1	34.7	35.71	32.38	0.11
Queens	Woodside and Sunnyside (CD2)	402	26.4	33.3	32.8	33.8	30.7	30.9	31.6	33.37	29.49	0.12
Queens	Flushing and Whitestone (CD7)	407	26.3	34	34	34.5	31.5	32	31.9	33.48	30.28	0.13
Staten Island	St. George and Stapleton (CD1)	501	24.9	33	31.5	31.5	29.2	30.3	30.4	33.4	27.5	0.14
Queens	Jackson Heights (CD3)	403	25.5	33.1	33.1	33.7	30.7	30.8	31.5	32.97	29.34	0.15
Bronx	Riverdale and Fieldston (CD8)	208	23.7	32	31.3	33.8	30.4	30.5	28.8	32.52	27.7	0.15
Queens	Bayside and Little Neck (CD11)	411	26.3	33.6	33.1	33.9	30.8	32.3	31.4	33.06	30.32	0.16
Bronx	Hunts Point and Longwood (CD2)	202	25.5	33.6	33.8	35.3	31.9	31.6	31.8	33.74	29.69	0.16
Bronx	Kingsbridge Heights and Bedford (CD7)	207	23.6	31.9	31.4	33.5	30.3	30.3	29.2	32.46	27.73	0.18
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	25.6	33.4	32.5	33	30.3	30.7	31.8	33.51	29.2	0.18
Bronx	Belmont and East Tremont (CD6)	206	23.7	32.1	31.9	33.8	30.5	30.3	29.8	32.5	28.12	0.19
Queens	Elmhurst and Corona (CD4)	404	24.9	32.7	32.6	32.9	30.2	30.5	31.2	32.75	29.18	0.20
Queens	Ridgewood and Maspeth (CD5)	405	26.1	33.7	33.3	33.7	31.1	31.5	32.1	33.76	30.29	0.21
Brooklyn	Greenpoint and Williamsburg (CD1)	301	25.4	32.5	31.6	32.7	29.8	30.5	31	32.99	29.07	0.21
Queens	Queens Village (CD13)	413	27.8	34.4	33.7	35	31.9	33.7	32.6	34.43	31.85	0.21
Bronx	Mott Haven and Melrose (CD1)	201	24	32.1	32.1	34	30.6	30.5	30.8	32.81	28.42	0.23
Brooklyn	Flatbush and Midwood (CD14)	314	25.6	33.4	32.8	33.5	30.8	30.7	32.3	33.56	29.93	0.23
Brooklyn	East New York and Starrett City (CD5)	305	26.7	34.3	33.9	34.4	31.9	32.3	32.9	34.57	31.2	0.25
Queens	South Ozone Park and Howard Beach (CD10)	410	27.2	34.6	34.2	34.8	32.3	33	33.1	34.86	31.69	0.25
Bronx	Morrisania and Crotona (CD3)	203	23.4	31.9	31.9	33.7	30.4	30.3	30.2	32.58	28.28	0.25
Brooklyn	Borough Park (CD12)	312	25.3	33.2	32.4	33.1	30.4	30.6	32	33.45	29.63	0.25
Manhattan	East Harlem (CD11)	111	22.8	30.6	30.3	32.3	28.9	29	29.6	31.66	26.93	0.25
Queens	Rego Park and Forest Hills (CD6)	406	24.5	32.5	32.2	32.5	30	30.6	31.1	32.7	29.24	0.26
Queens	Hillcrest and Fresh Meadows (CD8)	408	25.2	32.9	32.5	33	30.4	31.7	31.3	32.98	29.95	0.26
Brooklyn	East Flatbush (CD17)	317	25.7	33.6	33	33.6	31	31.2	32.4	33.88	30.39	0.27
Brooklyn	Bushwick (CD4)	304	25.3	33	32.3	32.9	30.4	31	31.7	33.47	29.93	0.28

Borough	Geography	ID	Summer Average 2009	Summer Average 2010	Summer Average 2011	Summer Average 2012	Summer Average 2013	Summer Average 2014	Summer Average 2015	Summer Average 2016	Summer Average 2017	Slope (per year decline)
Bronx	Fordham and University Heights (CD5)	205	22.2	31	30.7	32.9	29.7	29.7	29.1	32.06	27.24	0.28
Queens	Jamaica and Hollis (CD12)	412	26.4	33.6	33	33.9	31.3	32.8	32.2	34.03	31.12	0.29
Queens	Kew Gardens and Woodhaven (CD9)	409	25.4	33.2	32.8	33.2	30.8	31.7	31.8	33.58	30.39	0.29
Brooklyn	Brownsville (CD16)	316	25.4	33.3	32.6	33.2	30.7	31.2	32.1	33.74	30.27	0.30
Manhattan	Washington Heights and Inwood (CD12)	112	21.9	30.7	30.3	32.8	29.5	29.7	28.9	32.01	27	0.31
Brooklyn	Sunset Park (CD7)	307	24.5	32.6	31.4	32.2	29.6	30.6	31.2	33.19	29.19	0.31
Bronx	Highbridge and Concourse (CD4)	204	22.3	31	30.8	33	29.7	29.8	29.7	32.2	27.48	0.32
Manhattan	Upper West Side (CD7)	107	21.4	28.7	27.9	30.2	26.9	27.4	28.1	30.55	25.57	0.33
Brooklyn	Bedford Stuyvesant (CD3)	303	23.9	31.8	30.8	31.6	29.1	29.9	30.6	32.55	28.87	0.33
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	24.2	32.3	31.4	32.1	29.6	30.3	31.2	32.98	29.41	0.34
Manhattan	Central Harlem (CD10)	110	21.6	29.8	29.5	31.8	28.5	28.6	29.1	31.42	26.65	0.35
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	23.4	31.3	29.9	31	28.4	29.7	30	32.27	28.26	0.35
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	21.3	29.6	29.2	31.6	28.3	28.5	28.8	31.29	26.35	0.36
Manhattan	Lower East Side and Chinatown (CD3)	103	21.6	28.8	27.4	28.8	26.1	27.3	28	30.41	25.91	0.36
Brooklyn	Crown Heights and Prospect Heights (CD8)	308	23.6	31.7	30.7	31.5	29	29.8	30.7	32.54	28.88	0.37
Manhattan	Upper East Side (CD8)	108	20.8	28.1	27.4	29.2	26.2	26.6	28	30.12	25.17	0.37
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	22.7	30.5	29.1	30.2	27.6	28.9	29.4	31.63	27.57	0.37
Manhattan	Clinton and Chelsea (CD4)	104	20.3	27.3	25.9	27.9	25.1	26.1	27.1	29.76	24.57	0.42
Manhattan	Greenwich Village and Soho (CD2)	102	20.5	27.7	26.1	27.7	25.1	26.5	27.2	29.87	25.06	0.43
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	17.8	25.3	24	25.5	23.1	24.1	25.8	28.23	23.14	0.54
Manhattan	Financial District (CD1)	101	19.1	27	25.2	26.6	24.4	26.1	27.1	29.81	24.81	0.58
Manhattan	Midtown (CD5)	105	14.4	22.5	21	22.5	20.7	21.8	24.3	26.92	21.32	0.78

Due to the high number of non-detect values for Winter 2016-2017, NYCCAS is unable to estimate community district average values for SO<sub>2</sub>.