



APPENDIX 3 COMMUNITY DISTRICT AVERAGE POLLUTANT LEVELS

Table A3-1: Community district, annual average $\mathrm{PM}_{2.5}$ and per-year decline in levels

Borough	Geography	ID	Annual Average 2009	Annual Average 2015	Annual Average 2016	Annual Average 2017	Annual Average 2018	Annual Average 2019	Annual Average 2020	Annual Average 2021	Slope (per year decline)
Manhattan	Midtown (CD5)	105	16.1	12.3	11.3	10.9	11.5	11.5	9.2	8.9	-0.58
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	14.1	11.2	10.2	9.8	9.5	9.4	7.8	7.9	-0.52
Manhattan	Upper East Side (CD8)	108	12.9	10.2	9.1	8.9	8.7	8.0	6.7	7.0	-0.50
Bronx	Fordham and University Heights (CD5)	205	12.1	9.8	8.3	8.3	7.7	7.3	6.2	6.8	-0.49
Bronx	Highbridge and Concourse (CD4)	204	12.0	9.7	8.3	8.3	7.7	7.2	6.1	6.7	-0.48
Manhattan	Upper West Side (CD7)	107	12.2	9.8	8.5	8.3	8.2	7.4	6.4	6.8	-0.47
Manhattan	Financial District (CD1)	101	13.1	10.6	9.6	9.0	9.0	8.4	7.5	7.7	-0.46
Bronx	Kingsbridge Heights and Bedford (CD7)	207	11.5	9.3	7.8	7.7	7.4	6.8	6.1	6.6	-0.45
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	11.7	9.4	8.0	8.0	7.5	6.9	6.3	6.8	-0.45
Bronx	Mott Haven and Melrose (CD1)	201	11.9	9.9	8.6	8.5	8.1	7.7	6.3	6.8	-0.44
Manhattan	Central Harlem (CD10)	110	11.6	9.3	7.9	7.9	7.5	7.0	6.4	6.8	-0.43
Manhattan	Washington Heights and Inwood (CD12)	112	11.6	9.4	7.8	7.8	7.3	7.2	6.3	6.9	-0.43
Bronx	Morrisania and Crotona (CD3)	203	11.4	9.3	7.9	7.9	7.5	6.9	6.2	6.7	-0.43
Bronx	Belmont and East Tremont (CD6)	206	11.5	9.4	8.0	7.9	7.4	7.2	6.3	6.8	-0.43
Manhattan	East Harlem (CD11)	111	11.5	9.5	8.2	8.1	7.4	7.1	6.4	6.8	-0.42
Bronx	Riverdale and Fieldston (CD8)	208	11.0	9.2	7.5	7.4	7.0	6.7	5.9	6.5	-0.41
Manhattan	Clinton and Chelsea (CD4)	104	13.2	10.9	9.8	9.4	9.1	9.3	8.0	8.1	-0.41
Bronx	Hunts Point and Longwood (CD2)	202	11.6	9.8	8.5	8.5	8.1	7.8	6.6	7.3	-0.40
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	11.6	9.8	8.8	8.3	7.8	7.2	6.7	7.1	-0.39
Bronx	Parkchester and Soundview (CD9)	209	10.8	9.0	7.6	7.6	7.1	6.8	6.2	6.7	-0.39
Brooklyn	East Flatbush (CD17)	317	10.6	8.7	7.8	7.5	7.1	6.4	6.0	6.5	-0.38
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	10.6	8.7	7.8	7.4	7.1	6.3	6.1	6.5	-0.38
Brooklyn	Brownsville (CD16)	316								6.5	-0.38
Queens	Rego Park and Forest Hills (CD6)	406									
Bronx	Morris Park and Bronxdale (CD11)	211								6.6	

Borough	Geography	ID	Annual Average 2009	Annual Average 2015	Annual Average 2016	Annual Average 2017	Annual Average 2018	Annual Average 2019	Annual Average 2020	Annual Average 2021	Slope (per year decline)
Bronx	Williamsbridge and Baychester (CD12)	212	10.6	9.1	7.5	7.4	7.0	6.7	5.9	6.5	-0.37
Brooklyn	Flatbush and Midwood (CD14)	314	10.3	8.4	7.5	7.3	7.0	6.2	5.9	6.4	-0.37
	Crown Heights and Prospect Heights										
Brooklyn	(CD8)	308	10.8	8.9	8.0	7.5	7.3	6.7	6.3	6.7	-0.37
Brooklyn	Sunset Park (CD7)	307	11.1	9.6	8.5	8.2	7.8	7.4	6.5	7.0	-0.37
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	11.4	9.9	8.9	8.4	8.0	7.7	6.7	7.1	-0.37
Bronx	Throgs Neck and Co-op City (CD10)	210	10.5	9.0	7.5	7.5	6.9	6.7	6.1	6.5	-0.36
Brooklyn	Bedford Stuyvesant (CD3)	303	10.8	9.0	8.1	7.6	7.4	6.6	6.3	6.8	-0.36
Brooklyn	East New York and Starrett City (CD5)	305	10.5	8.7	7.7	7.5	7.0	6.5	6.0	6.5	-0.36
Brooklyn	Borough Park (CD12)	312	10.3	8.5	7.5	7.3	7.1	6.4	6.0	6.5	-0.36
Queens	Woodside and Sunnyside (CD2)	402	11.9	10.3	9.3	8.9	8.6	8.4	7.0	7.6	-0.36
Queens	Elmhurst and Corona (CD4)	404	10.7	8.7	7.7	7.5	7.2	6.9	6.5	6.7	-0.36
Staten Island	Tottenville and Great Kills (CD3)	503	9.7	7.3	6.6	6.6	6.2	5.8	5.3	6.0	-0.35
Brooklyn	Greenpoint and Williamsburg (CD1)	301	12.0	10.6	9.6	9.1	8.9	8.6	7.1	7.7	-0.35
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	10.2	8.4	7.4	7.3	6.8	6.4	6.1	6.5	-0.35
Queens	Kew Gardens and Woodhaven (CD9)	409	10.3	8.3	7.3	7.2	6.8	6.4	6.1	6.5	-0.34
Queens	Hillcrest and Fresh Meadows (CD8)	408	10.0	8.2	7.0	7.1	6.6	6.2	6.0	6.3	-0.34
Manhattan	Greenwich Village and Soho (CD2)	102	12.8	10.6	9.5	9.0	8.9	9.9	8.5	8.5	-0.34
Manhattan	Lower East Side and Chinatown (CD3)	103	11.8	9.9	8.9	8.4	7.9	8.7	7.5	7.6	-0.34
Staten Island	South Beach and Willowbrook (CD2)	502	9.8	7.8	6.9	6.9	6.5	5.9	5.6	6.2	-0.34
Brooklyn	Bushwick (CD4)	304	10.8	9.0	8.1	7.7	7.5	7.1	6.5	6.9	-0.34
Queens	Flushing and Whitestone (CD7)	407	10.2	8.5	7.3	7.3	6.9	6.7	6.3	6.5	-0.34
Queens	Ridgewood and Maspeth (CD5)	405	10.7	8.9	8.0	7.7	7.4	7.0	6.3	7.0	-0.34
Brooklyn	Bensonhurst (CD11)	311	9.8	8.0	7.0	7.0	6.7	6.2	5.9	6.4	-0.34
Brooklyn	Flatlands and Canarsie (CD18)	318	9.8	8.1	7.1	7.0	6.7	6.1	5.7	6.2	-0.33
Queens	Long Island City and Astoria (CD1)	401	10.7	9.0	7.8	7.7	7.4	7.2	6.5	6.8	-0.33
Staten Island	St. George and Stapleton (CD1)	501	10.0	8.2	7.1	7.0	6.6	6.1	5.8	6.3	-0.33
Queens	Jamaica and Hollis (CD12)	412	9.9	8.2	7.0	7.1	6.7	6.2	5.9	6.3	-0.33
Queens	Bayside and Little Neck (CD11)	411	9.7	8.2	6.9	7.0	6.5	6.2	6.0	6.3	-0.33
Queens	South Ozone Park and Howard Beach (CD10)	410	9.8	7.9	6.9	6.8	6.4	6.1	5.8	6.2	-0.33
Brooklyn	Sheepshead Bay (CD15)	315									
Queens	Jackson Heights (CD3)	403									
Brooklyn	Coney Island (CD13)	313									

Borough	Geography	ID	Annual Average 2009	Annual Average 2015	Annual Average 2016	Annual Average 2017	Annual Average 2018	Annual Average 2019	Annual Average 2020	Annual Average 2021	Slope (per year decline)
Queens	Queens Village (CD13)	413	9.4	7.9	6.5	6.8	6.4	6.0	5.8	6.3	-0.30
Queens	Rockaway and Broad Channel (CD14)	414	8.8	7.2	6.0	6.3	6.1	5.6	5.3	5.9	-0.28

Table A3-2: Community district, annual average $\mathrm{NO_2}$ and per-year decline in levels

	Annual Annual Annual Annual Annual Annual Annual Slope (pe										
			Annual Average	Annuai Average	Annuai Average	Annuai Average	Annual Average	Annuai Average	Annual Average	Annual Average	Slope (per year
Borough	Geography	ID	2009	2015	2016	2017	2018	2019	2020	2021	decline)
Manhattan	Midtown (CD5)	105		-			-			-	
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106									
Manhattan	Financial District (CD1)	101	36.6								
Manhattan	Upper East Side (CD8)	108	34.5								
Manhattan	Clinton and Chelsea (CD4)	104	36.3								
Manhattan	Greenwich Village and Soho (CD2)	102	34.8								
Manhattan	Lower East Side and Chinatown (CD3)	103	31.8								
Manhattan	Upper West Side (CD7)	107	31.9	23.9	23.2	23.4	22.2	20.8	19.6	19.2	-0.98
	Morningside Heights and Hamilton										
Manhattan	Heights (CD9)	109	31.0	22.9	22.0	22.4	21.5	19.2	18.7	18.0	-0.98
Manhattan	Central Harlem (CD10)	110	31.2	23.3	22.3	22.7	21.7	19.8	19.1	18.3	-0.96
Manhattan	East Harlem (CD11)	111	29.8						18.8	18.3	
Bronx	Fordham and University Heights (CD5)	205	29.6	22.7	21.2	22.0	20.5	18.2	19.2	18.1	-0.87
Bronx	Highbridge and Concourse (CD4)	204	29.7	22.4	21.2	21.8	20.9	18.7	19.1	18.1	-0.86
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	29.3	22.4	22.2	21.7	21.1	19.9	18.4	18.8	-0.84
	Crown Heights and Prospect Heights										
Brooklyn	(CD8)	308	27.8	21.3	20.7	20.5	19.9	18.2	17.3	17.5	-0.84
	South Crown Heights and Lefferts										
Brooklyn	Gardens (CD9)	309	27.0	20.8	20.1	20.0	19.1	17.4	16.9	17.0	-0.82
Manhattan	Washington Heights and Inwood (CD12)	112	27.9								
Brooklyn	Bedford Stuyvesant (CD3)	303									
Queens	Elmhurst and Corona (CD4)	404									
Bronx	Morrisania and Crotona (CD3)	203									
Queens	Rego Park and Forest Hills (CD6)	406	25.0	20.0	19.3	19.3	18.3	16.4	15.7	15.8	-0.77
_					40.0				47.0		
Bronx	Kingsbridge Heights and Bedford (CD7)	207	26.7								
Bronx	Belmont and East Tremont (CD6)	206									
Brooklyn	Brownsville (CD16)	316									
Brooklyn	East Flatbush (CD17)	317	25.1					16.4			
Queens	Jackson Heights (CD3)	403	25.6								
Brooklyn	Flatbush and Midwood (CD14)	314	24.4								
Queens	Kew Gardens and Woodhaven (CD9)	409	24.1	19.5	18.7	18.8	18.2	16.1	15.5	15.8	-0.71
Drootsban	Doub Clane and Cowell Couden: (CDC)	200	27.7	24.4	24.2	20.0	24.2	20.4	10.0	10.0	0.70
Brooklyn	Park Slope and Carroll Gardens (CD6)	306									
Brooklyn	Borough Park (CD12)	312	25.2	19.9	19.1	19.0	18.5	17.0	16.2	16.9	-0.69

Borough	Geography	ID	Annual Average 2009	Annual Average 2015	Annual Average 2016	Annual Average 2017	Annual Average 2018	Annual Average 2019	Annual Average 2020	Annual Average 2021	Slope (per year decline)
Bronx	Mott Haven and Melrose (CD1)	201	28.1	21.8	20.8	21.3	21.2	19.7	19.1	18.7	-0.68
Brooklyn	Bushwick (CD4)	304	25.9	20.3	19.8	19.8	19.5	18.2	17.5	17.5	-0.68
Brooklyn	East New York and Starrett City (CD5)	305	23.4	18.7	17.8	17.9	17.2	15.4	15.5	15.9	-0.66
Queens	South Ozone Park and Howard Beach (CD10)	410	22.2	18.2	17.2	17.4	16.6	14.5	14.3	14.6	-0.66
Queens	Hillcrest and Fresh Meadows (CD8)	408	22.4	18.3	17.6	17.7	17.2	15.1	14.1	14.7	-0.65
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	23.6	19.2	18.5	18.2	17.7	16.4	15.2	16.4	-0.63
Bronx	Parkchester and Soundview (CD9)	209	24.6	20.1	18.8	19.5	17.9	16.4	16.9	16.6	-0.63
Bronx	Riverdale and Fieldston (CD8)	208	23.2	17.8	16.0	17.3	15.8	13.5	15.8	14.7	-0.63
Queens	Long Island City and Astoria (CD1)	401	25.4	20.6	20.1	20.3	19.5	18.4	17.6	17.3	-0.62
Queens	Jamaica and Hollis (CD12)	412	22.3	18.5	17.6	17.8	17.7	15.7	14.3	15.1	-0.61
Brooklyn	Sunset Park (CD7)	307	25.5	19.8	19.4	19.0	19.8	18.5	16.9	18.1	-0.61
Brooklyn	Bensonhurst (CD11)	311	23.0	19.1	18.1	18.2	17.1	15.9	15.4	16.4	-0.59
Queens	Ridgewood and Maspeth (CD5)	405	24.1	19.4	18.8	18.8	18.5	17.1	16.5	17.5	-0.59
Queens	Flushing and Whitestone (CD7)	407	22.7	19.0	18.2	18.5	17.6	16.3	15.6	15.7	-0.56
Bronx	Morris Park and Bronxdale (CD11)	211	23.4	19.6	17.9	19.0	17.1	15.5	16.8	16.3	-0.56
Brooklyn	Flatlands and Canarsie (CD18)	318	20.3	16.6	15.4	15.7	14.5	13.1	13.7	14.3	-0.55
Queens	Bayside and Little Neck (CD11)	411	20.5	17.6	16.8	16.9	16.1	14.5	13.5	14.2	-0.53
Brooklyn	Sheepshead Bay (CD15)	315	20.4	17.4	15.9	16.4	14.5	13.6	14.0	14.9	-0.53
Bronx	Hunts Point and Longwood (CD2)	202	26.1	20.9	19.8	20.3	20.5	19.0	18.8	19.3	-0.53
Bronx	Williamsbridge and Baychester (CD12)	212	22.1	19.0	16.9	18.4	15.8	14.2	16.5	15.6	-0.51
Brooklyn	Greenpoint and Williamsburg (CD1)	301	27.0	21.7	21.4	21.2		21.5		20.7	-0.50
Staten Island	St. George and Stapleton (CD1)	501	20.7	16.9	16.9	16.4	16.1	15.1	13.7	15.3	-0.50
Bronx	Throgs Neck and Co-op City (CD10)	210	21.3	18.8	17.2	18.1	15.8	14.6	15.5	15.4	-0.49
Queens	Queens Village (CD13)	413	19.9	17.2	16.2	16.5	16.3	14.6	13.1	14.6	-0.47
Queens	Woodside and Sunnyside (CD2)	402	25.9	21.2	20.8	20.7	21.1	20.7	19.2	20.2	-0.47
Brooklyn	Coney Island (CD13)	313	18.4	16.1	14.6	15.1	13.6	13.0	13.0	14.1	-0.42
Staten Island	South Beach and Willowbrook (CD2)	502	16.5		13.4						-0.36
Queens	Rockaway and Broad Channel (CD14)	414	14.6	13.4	11.6	12.6	10.4	9.9	10.5	11.3	-0.35
Staten Island	Tottenville and Great Kills (CD3)	503	14.7	11.8	11.4	11.6	11.0	10.2	10.5	11.1	-0.28

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

Borough	Geography	ID	Annual Average 2009	Annual Average 2015	Annual Average 2016	Annual Average 2017	Annual Average 2018	Annual Average 2019	Annual Average 2020	Annual Average 2021	Slope (per year decline)
Manhattan	Midtown (CD5)	105	n e	-		-	-	-	-		
Manhattan	Upper East Side (CD8)	108									
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106							13.7	13.6	
Manhattan	Greenwich Village and Soho (CD2)	102	52.7	34.4							
Manhattan	Upper West Side (CD7)	107									
Manhattan	Clinton and Chelsea (CD4)	104		30.8						15.2	
Manhattan	Lower East Side and Chinatown (CD3)	103		28.1							
Manhattan	Financial District (CD1)	101	39.5	29.7	25.8	22.9	21.4	14.7	14.2	12.6	-2.31
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	34.1	22.0	16.9	15.1	15.0	12.5	11.6	11.1	-1.99
Bronx	Fordham and University Heights (CD5)	205	34.2	22.8	17.3	15.4	14.8	13.4	12.1	13.6	-1.88
Manhattan	Central Harlem (CD10)	110	33.6	21.4	17.2	15.4	15.1	12.8	12.0	11.7	-1.88
Manhattan	East Harlem (CD11)	111	33.4	23.4	18.6	16.2	15.2	13.1	12.3	12.7	-1.87
Bronx	Highbridge and Concourse (CD4)	204	32.3	21.8	16.8	14.8	14.4	13.3	12.1	12.9	-1.74
Bronx	Kingsbridge Heights and Bedford (CD7)	207	31.1	20.1	15.8	14.3	14.1	11.9	10.9	10.5	-1.73
Manhattan	Washington Heights and Inwood (CD12)	112	32.3	20.7	16.4	14.7	15.8	13.5	12.0	13.8	-1.65
Queens	Rego Park and Forest Hills (CD6)	406	27.5	20.8	18.2	14.7	13.2	10.1	10.4	10.1	-1.57
Bronx	Belmont and East Tremont (CD6)	206	29.7	20.0	16.5	14.6	13.7	12.4	11.4	12.1	-1.53
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	30.0	23.3	23.0	20.0	18.3	13.2	13.1	13.8	-1.41
Queens	Elmhurst and Corona (CD4)	404	26.6	20.1	17.8	14.7	13.1	10.8	10.9	11.9	-1.38
Brooklyn	Crown Heights and Prospect Heights (CD8)	308	28.3	20.6	19.9	17.2	16.7	11.8	12.1	12.1	-1.37
Bronx	Morrisania and Crotona (CD3)	203	27.6	18.8	15.4	13.6	12.8	12.1	11.5	11.7	-1.37
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	26.7	20.5	19.3	16.6	16.3	10.8	11.0	11.1	-1.36
Brooklyn	Flatbush and Midwood (CD14)	314									
Queens	Hillcrest and Fresh Meadows (CD8)	408									
Queens	Jackson Heights (CD3)	403									
Queens	Kew Gardens and Woodhaven (CD9)	409									
Bronx	Parkchester and Soundview (CD9)	209									
Queens	Bayside and Little Neck (CD11)	411									
Bronx	Riverdale and Fieldston (CD8)	208									

			Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Slope (per
Danasah	Coopeanh	ID.	Average	Average	Average	Average 2017	Average	Average	Average 2020	Average	year
Borough	Geography South Ozone Park and Howard Beach	ID	2009	2015	2016	2017	2018	2019	2020	2021	decline)
Queens	(CD10)	410	22.4	17.5	16.1	12.6	11.5	9.3	9.9	9.6	-1.17
Queens	Jamaica and Hollis (CD12)	412		17.3							
Brooklyn	East Flatbush (CD17)	317									
Bronx	Throgs Neck and Co-op City (CD10)	210									
Bronx	Mott Haven and Melrose (CD1)	201									
Bronx	Morris Park and Bronxdale (CD11)	211									
Queens	Long Island City and Astoria (CD1)	401	24.7								
Queens	Flushing and Whitestone (CD7)	407									
Queens	Flushing and Willestone (CD7)	407	25.1	17.2	15.2	12.4	10.9	11.5	11.4	9.7	-1.11
Queens	Rockaway and Broad Channel (CD14)	414	18.2	15.9	13.6	10.1	7.9	8.0	8.5	7.1	-1.11
Bronx	Williamsbridge and Baychester (CD12)	212	23.1	15.9	14.1	12.7	11.3	10.1	9.5	9.4	-1.08
Brooklyn	Bedford Stuyvesant (CD3)	303									
Brooklyn	East New York and Starrett City (CD5)	305									
Brooklyn	Bushwick (CD4)	304									
Queens	Queens Village (CD13)	413									
Brooklyn	Brownsville (CD16)	316	24.4	18.9	18.3	15.3	14.7	12.0	12.9	12.1	-1.03
Brooklyn	Borough Park (CD12)	312	21.6					10.0	10.0	11.2	
Brooklyn	Sheepshead Bay (CD15)	315	19.2	17.0	14.7	12.0	10.3	8.6	8.7	10.1	-1.01
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	21.1	17.5	15.7	13.3	11.7	9.8	9.6	11.7	-1.01
Brooklyn	Bensonhurst (CD11)	311	20.0	16.9	14.9	12.5	11.2	9.0	8.9	11.1	-0.99
Brooklyn	Flatlands and Canarsie (CD18)	318	19.6	16.7	15.5	12.7	11.4	9.4	10.0	10.0	-0.92
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	25.9	19.8	19.4	17.0	15.7	15.1	15.8	14.7	-0.91
Brooklyn	Coney Island (CD13)	313	17.3	15.6	13.7	11.2	9.6	8.9	8.9	9.6	-0.85
Bronx	Hunts Point and Longwood (CD2)	202	26.1	18.4	15.7	13.6	12.3	16.2	16.8	19.1	-0.77
Brooklyn	Sunset Park (CD7)	307	23.6	18.7	18.2	15.8	14.6	14.6	15.0	16.2	-0.73
Staten Island	St. George and Stapleton (CD1)	501	16.8	13.1	12.3	10.2	9.2	8.2	8.9	10.3	-0.69
Queens	Ridgewood and Maspeth (CD5)	405	23.9	18.1	17.2	14.3	13.2	13.4	15.4	18.7	-0.68
Staten Island	South Beach and Willowbrook (CD2)	502	14.7	11.5	10.8	8.6	7.7	7.1	7.8	8.7	-0.64
Staten Island	Tottenville and Great Kills (CD3)	503	12.9	9.6	8.9	6.7	6.4	6.5	7.3	8.5	-0.54
Queens	Woodside and Sunnyside (CD2)	402	27.1	20.2	18.0	15.3	13.7	18.7	21.4	24.2	-0.53
Brooklyn	Greenpoint and Williamsburg (CD1)	301	27.6	20.5	20.1	17.3	16.3	19.9	23.2	23.8	-0.44

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

						. ,					
			Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Slope (per
			Average	Average	Average	Average	Average	Average	Average	Average	year
Borough	Geography	ID	2009	2015	2016	2017	2018	2019	2020	2021	decline)
Manhattan	Midtown (CD5)	105									
Manhattan	Upper East Side (CD8)	108									
Manhattan	Greenwich Village and Soho (CD2)	102	1.8	1.6	1.5	1.2	1.1	1.0	0.7	0.9	-0.09
Manhattan	Standard Towns and Towns Book (SDS)	400		, , , , ,	4.4	4.4		0.0	0.0	0.0	0.00
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	1.7	1.5	1.4	1.1	1.1	0.8	0.6	0.8	-0.09
Bronx	Fordham and University Heights (CD5)	205	1.5	1.3	1.1	1.0	0.9	0.6	0.6	0.8	-0.08
Manhattan	Clinton and Chelsea (CD4)	104									
Bronx	Highbridge and Concourse (CD4)	204	-								
Manhattan	Central Harlem (CD10)	110									
Mannattan	Contra Hariem (CD10)	110	1.0	1,2	1.1	1.0	0.0	0.7	0.0	0.7	0.00
Manhattan	Lower East Side and Chinatown (CD3)	103	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.8	-0.08
Manhattan	Upper West Side (CD7)	107									
	Morningside Heights and Hamilton										
Manhattan	Heights (CD9)	109	1.4	1.1	1.0	1.0	0.8	0.7	0.6	0.7	-0.07
Manhattan	East Harlem (CD11)	111	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.7	-0.07
Bronx	Morrisania and Crotona (CD3)	203	1.4	1.1	1.0	0.9	0.8	0.7	0.6	0.7	-0.07
Bronx	Mott Haven and Melrose (CD1)	201	1.5	1.2	1.1	1.1	0.9	1.0	0.6	0.8	-0.07
Bronx	Belmont and East Tremont (CD6)	206	1.4	1.1	1.0	0.9	0.8	0.8	0.6	0.7	-0.07
Brooklyn	Greenpoint and Williamsburg (CD1)	301	1.5	1.3	1.2	1.1	1.0	0.5	0.7	0.9	-0.07
Manhattan	Washington Heights and Inwood (CD12)	112					0.8				
Bronx	Hunts Point and Longwood (CD2)	202	1.4	1.2	1.1	1.1	1.0	0.8	0.7	0.8	-0.07
Brooklyn	Park Slope and Carroll Gardens (CD6)	306									
Bronx	Parkchester and Soundview (CD9)	209	1.3	1.0	0.9	0.8	0.8	0.6	0.6	0.7	-0.07
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302									
Queens	Woodside and Sunnyside (CD2)	402	1.5	1.3	1.2	1.1	1.0	1.0	0.7	0.9	-0.06
Dramy	Vinashuidas Heights and Badfoud (CD7)	207	,		0.0	0.0		0.7	0.0	0.7	0.00
Bronx	Kingsbridge Heights and Bedford (CD7)	207									
Bronx	Riverdale and Fieldston (CD8)	208	-								
Bronx	Throgs Neck and Co-op City (CD10)	210									
Bronx	Morris Park and Bronxdale (CD11)	211	1.2	1.0	0.8	0.8	0.8	0.5	0.6	0.6	-0.06
Bronx	Williamsbridge and Baychester (CD12)	212	1.2	1.0	0.8	0.8	0.8	0.6	0.6	0.7	-0.06
Manhattan	Financial District (CD1)	101									
	Long Island City and Astoria (CD1)	401	-								
Queens	Long Island City and Astona (CDI)	401	ارا ا،∠	1.0	0.9	0.9	0.8	0.8	0.6	0.7	-0.05

Borough	Geography	ID	Annual Average 2009	Annual Average 2015	Annual Average 2016	Annual Average 2017	Annual Average 2018	Annual Average 2019	Annual Average 2020	Annual Average 2021	Slope (per year decline)
Queens	Flushing and Whitestone (CD7)	407	1.1	0.9	0.8	0.7	0.7	0.6	0.5	0.6	-0.05
Queens	Rego Park and Forest Hills (CD6)	406	1.1	0.9	0.8	0.7	0.7	0.6	0.5	0.6	-0.05
Brooklyn	East New York and Starrett City (CD5)	305	1.1	0.9	0.8	0.7	0.7	0.6	0.5	0.6	-0.05
Queens	Elmhurst and Corona (CD4)	404	1.2	0.9	0.9	0.8	0.8	0.7	0.5	0.6	-0.05
Brooklyn	Bedford Stuyvesant (CD3)	303	1.1	0.9	0.8	0.8	0.8	0.5	0.5	0.6	-0.05
Queens	Bayside and Little Neck (CD11)	411	1.0	0.8	0.8	0.6	0.6	0.6	0.5	0.5	-0.05
Queens	Hillcrest and Fresh Meadows (CD8)	408	1.0	0.8	0.8	0.6	0.6	0.6	0.5	0.5	-0.05
Brooklyn	Brownsville (CD16)	316	1.1	0.9	0.9	0.8	0.7	0.8	0.5	0.6	-0.05
Brooklyn	Sunset Park (CD7)	307	1.2	1.0	1.0	0.9	0.8	1.0	0.6	0.7	-0.05
Brooklyn	Bushwick (CD4)	304			0.9	0.8	0.8	0.7	0.5	0.6	-0.05
Queens	Ridgewood and Maspeth (CD5)	405	1.1	0.9	0.9	0.8	0.8	0.7	0.5	0.7	-0.04
Queens	Kew Gardens and Woodhaven (CD9)	409	1.0	0.8	0.8	0.7	0.7	0.6	0.5	0.6	-0.04
Brooklyn	East Flatbush (CD17)	317	1.0	0.8	0.8	0.7	0.7	0.8	0.5	0.6	-0.04
Queens	Jackson Heights (CD3)	403	·					0.7			-0.04
Staten Island	South Beach and Willowbrook (CD2)	502									
Brooklyn	Flatbush and Midwood (CD14)	314									
Queens	Jamaica and Hollis (CD12)	412	0.9	0.8	0.8	0.7	0.6	0.6	0.4	0.5	-0.04
Queens	South Ozone Park and Howard Beach (CD10)	410									
Brooklyn	Crown Heights and Prospect Heights (CD8)	308									
Staten Island	St. George and Stapleton (CD1)	501	1.0	0.7	0.7	0.7	0.6	0.6	0.5	0.6	-0.04
Brooklyn	Flatlands and Canarsie (CD18)	318	0.9	0.7	0.7	0.6	0.5	0.8	0.4	0.5	-0.04
Queens	Queens Village (CD13)	413	0.8	0.7	0.7	0.6	0.6	0.5	0.4	0.5	-0.04
Staten Island	Tottenville and Great Kills (CD3)	503	0.8	0.6	0.6	0.5	0.5	0.4	0.4	0.5	-0.04
Brooklyn	Borough Park (CD12)	312	1.0	0.8	0.7	0.7	0.7	1.0	0.5	0.5	-0.04
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	1.0	0.8	0.8	0.7	0.7	1.0	0.5	0.6	-0.04
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	l .								
Brooklyn	Sheepshead Bay (CD15)	315	t .								
Brooklyn	Coney Island (CD13)	313	t .								
Queens	Rockaway and Broad Channel (CD14)	414							0.3		
Brooklyn	Bensonhurst (CD11)	311	0.9	0.7	0.7	0.7	0.6	1.3	0.4	0.5	-0.02

Table A3-5: Community district, summertime average ${\rm O_3}$ and per-year change in levels

			Summer	Slope (per							
			Average	year							
Borough	Geography	ID	2009	2015	2016	2017	2018	2019	2020	2021	decline)
Staten Island	Tottenville and Great Kills (CD3)	503			36.2						
Queens	Rockaway and Broad Channel (CD14)	414			38.3						
Staten Island	South Beach and Willowbrook (CD2)	502	27.0		35.1						
Brooklyn	Coney Island (CD13)	313			36.3						
Brooklyn	Sheepshead Bay (CD15)	315			35.4						
Queens	Woodside and Sunnyside (CD2)	402	26.4		33.4	29.5	29.7			28.0	
Staten Island	St. George and Stapleton (CD1)	501	24.9		33.4					28.6	
Brooklyn	Flatlands and Canarsie (CD18)	318			35.7			34.0	30.4		
Brooklyn	Greenpoint and Williamsburg (CD1)	301	25.4	31.0	33.0	29.1	28.9	27.9	29.6	27.8	-0.14
Bronx	Throgs Neck and Co-op City (CD10)	210	27.8	31.7	34.0	30.2	32.0	31.5	32.4	30.7	-0.13
Brooklyn	Bensonhurst (CD11)	311	27.4	33.4	34.5	30.5	31.3	31.6	30.2	31.2	-0.13
Bronx	Williamsbridge and Baychester (CD12)	212	26.6	29.8	33.2	28.9	31.1	30.2	30.5	30.3	-0.12
Bronx	Hunts Point and Longwood (CD2)	202	25.5	31.8	33.7	29.7	30.7	29.7	31.5	29.1	-0.11
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310	25.6	31.8	33.5	29.2	30.1	29.7	29.2	29.7	-0.09
Bronx	Morris Park and Bronxdale (CD11)	211	26.1	30.5	33.2	29.2	31.1	30.3			-0.08
Queens	Ridgewood and Maspeth (CD5)	405	26.1	32.1	33.8	30.3	30.9	30.9	30.2	29.7	-0.07
Queens	Long Island City and Astoria (CD1)	401	26.3		33.4			29.4			
Bronx	Parkchester and Soundview (CD9)	209			33.3	29.3	31.1	30.3	31.7	29.7	-0.06
Queens	Queens Village (CD13)	413			34.4		31.9	33.6			-0.05
Bronx	Riverdale and Fieldston (CD8)	208			32.5						
Brooklyn	Sunset Park (CD7)	307	24.5		33.2						
Bronx	Mott Haven and Melrose (CD1)	201	24.0		32.8						
Queens	Flushing and Whitestone (CD7)	407	26.3		33.5						
Brooklyn	East New York and Starrett City (CD5)	305			34.6						
Brooklyn	Flatbush and Midwood (CD14)	314			33.6						
Queens	Bayside and Little Neck (CD11)	411			33.1						
Brooklyn	Borough Park (CD12)	312	25.3	32.0	33.5	29.6	30.3	30.4	29.3	30.4	-0.02
	South Ozone Park and Howard Beach										
Queens	(CD10)	410	27.2	33.1	34.9	31.7	32.4	33.9	29.8	32.4	0.00
Manhattan	Washington Heights and Inwood (CD12)	112			32.0						
Brooklyn	Bushwick (CD4)	304			33.5		30.6	30.5			
Brooklyn	East Flatbush (CD17)	317			33.9						
Queens	Jackson Heights (CD3)	403			33.0						
Brooklyn	Brownsville (CD16)	316			33.7						
Queens	Jamaica and Hollis (CD12)	412	26.4	32.2	34.0	31.1	31.5	33.1	29.5	31.4	0.02

Borough	Geography	ID	Summer Average 2009	Summer Average 2015	Summer Average 2016	Summer Average 2017	Summer Average 2018	Summer Average 2019	Summer Average 2020	Summer Average 2021	Slope (per year decline)
Bronx	Belmont and East Tremont (CD6)	206									
	,										
Bronx	Kingsbridge Heights and Bedford (CD7)	207	23.6	29.2	32.5	27.7	30.2	29.2	29.8	29.8	0.03
Queens	Hillcrest and Fresh Meadows (CD8)	408	25.2	31.3	33.0	30.0	30.7	31.6	29.9	30.3	0.03
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	23.4	30.0	32.3	28.3	28.6	27.6	28.7	28.9	0.03
Bronx	Morrisania and Crotona (CD3)	203	23.4	30.2	32.6	28.3	30.1	29.2	30.6	29.4	0.03
Manhattan	East Harlem (CD11)	111	22.8	29.6	31.7	26.9	28.8	27.5	30.1	28.3	0.04
Queens	Elmhurst and Corona (CD4)	404	24.9	31.2	32.8	29.2	30.5	30.6	31.0	30.3	0.05
Queens	Kew Gardens and Woodhaven (CD9)	409	25.4	31.8	33.6	30.4	31.2	32.4	29.6	31.1	0.05
Queens	Rego Park and Forest Hills (CD6)	406	24.5	31.1	32.7	29.2	30.4	31.0	30.0	30.2	0.06
Bronx	Highbridge and Concourse (CD4)	204	22.3	29.7	32.2	27.5	29.5	28.5	29.9	28.9	0.07
Brooklyn	Bedford Stuyvesant (CD3)	303	23.9	30.6	32.6	28.9	29.7	29.6	29.3	29.6	0.07
Bronx	Fordham and University Heights (CD5)	205	22.2	29.1	32.1	27.2	29.7	28.7	29.7	28.9	0.07
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	24.2	31.2	33.0	29.4	30.3	30.6	29.3	30.6	0.10
Brooklyn	Crown Heights and Prospect Heights (CD8)	308	23.6	30.7	32.5	28.9	29.7	29.7	29.1	29.9	0.10
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	22.7	29.4	31.6	27.6	28.5	27.5	28.9	28.6	0.10
Manhattan	Central Harlem (CD10)	110	21.6	29.1	31.4	26.7	28.6	27.3	29.6	28.6	0.12
Manhattan	Upper West Side (CD7)	107	21.4	28.1	30.6	25.6	27.2	25.6	29.0	27.8	0.12
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	21.3	28.8	31.3	26.4	28.3	27.0	29.4	28.6	0.13
Manhattan	Lower East Side and Chinatown (CD3)	103									
Manhattan	Upper East Side (CD8)	108									
Manhattan	Clinton and Chelsea (CD4)	104									
Manhattan	Greenwich Village and Soho (CD2)	102									
Manhattan	Financial District (CD1)	101	1								
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	17.8	25.8	28.2	23.1	24.9	24.6	28.1	27.2	0.41
Manhattan	Midtown (CD5)	105									

Table A3-6: Community district, summertime average SO_{2} and per-year change in levels

Borough	Geography	ID	Winter Average 2008- 2009	Winter Average 2009- 2010		Winter Average 2011-2012	Winter Average 2012-2013	Winter Average 2013-2014	Winter Average 2014-2015	Winter Average 2015-2016	Slope (per year decline)
Bronx	Fordham and University Heights (CD5)	205									
Manhattan	Upper East Side (CD8)	108	12.1	8.5	10.4	6.3	4.1	3.8	1.5	0.5	-1.6
Bronx	Kingsbridge Heights and Bedford (CD7)	207	11.8	7.5	9.5	6.3	4	3.3	1.8	0.6	-1.5
Manhattan	Washington Heights and Inwood (CD12)	112	11.4	7.5	9.5	6.3	4.3	3.4	1.6	0.5	-1.5
Manhattan	Upper West Side (CD7)	107	11	7.6	9.4	6	4	3.5	1.4	0.4	-1.5
Manhattan	Midtown (CD5)	105	10.3	7	8.8	5.3	3.2	3.3	1.4	0.4	-1.4
Bronx	Highbridge and Concourse (CD4)	204	10.4	6.9	8.8	5.5	3.9	3.2	1.4	0.5	-1.4
Manhattan	Morningside Heights and Hamilton Heights (CD9)	109	9.3	6.3	7.9	5.1	3.5	2.9	1.2	0.4	-1.2
Manhattan	Stuyvesant Town and Turtle Bay (CD6)	106	9.2	6.3	7.9	4.6	2.8	3	1.2	0.4	-1.2
Manhattan	Greenwich Village and Soho (CD2)	102	8.7	5.7	7.3	4.3	2.4	2.7	1.1	0.4	-1.2
Manhattan	Central Harlem (CD10)	110	8.2	5.6	7	4.4	3.1	2.7	1.1	0.4	-1.1
Bronx	Belmont and East Tremont (CD6)	206	8.2	5.3	6.8	4.3	2.8	2.5	1.3	0.4	-1.1
Manhattan	Clinton and Chelsea (CD4)	104	7.3	4.9	6.2	3.8	2.3	2.4	1	0.3	-1.0
Manhattan	Lower East Side and Chinatown (CD3)	103	7	4.6	5.9	3.3	1.8	2.2	0.9	0.3	-0.9
Manhattan	East Harlem (CD11)	111	7		6	3.7			1	0.3	-0.9
Bronx	Morrisania and Crotona (CD3)	203			6				1	0.3	
Bronx	Riverdale and Fieldston (CD8)	208								0.3	
Queens	Elmhurst and Corona (CD4)	404									
Queens	Jackson Heights (CD3)	403	6.1	4.3	5.4	2.8	1.8			0.3	-0.8
Bronx	Parkchester and Soundview (CD9)	209		3.9	4.9	2.9				0.0	
Bronx	Mott Haven and Melrose (CD1)	201		3.9	4.9		-		0.9	0.3	
Bronx	Morris Park and Bronxdale (CD11)	211	5.9	3.8							
Queens	Rego Park and Forest Hills (CD6)	406		3.8							
Bronx	Williamsbridge and Baychester (CD12)	212	5.8	3.6	4.5	3	1.7	1.7	1.2	0.3	-0.7
Brooklyn	South Crown Heights and Lefferts Gardens (CD9)	309	5	3.4	4.2	2	1.1	1.3	0.5	0.2	-0.7
Bronx	Hunts Point and Longwood (CD2)	202		3.5			1.7		0.8		
Queens	Long Island City and Astoria (CD1)	401	5	3.6	4.5	2.5	1.7	1.9	0.8	0.2	-0.7
Brooklyn	Crown Heights and Prospect Heights (CD8)	308	4.8	3.2	4	2	1.1	1.3	0.5	0.2	-0.7
Queens	Woodside and Sunnyside (CD2)	402	4.8	3.4	4.3	2.3	1.5	1.7	0.7	0.2	-0.6

			Winter Average 2008-	Winter Average 2009-	Winter Average	Winter Average	Winter Average	Winter Average	Winter Average	Winter Average	Slope (per year
Borough	Geography	ID	2009	2010				2013-2014			
Brooklyn	Bushwick (CD4)	304					1.3	1.5	0.6	0.2	
Brooklyn	Flatbush and Midwood (CD14)	314				1.8	1	1.1	0.5	0.2	-0.6
Brooklyn	Bedford Stuyvesant (CD3)	303	4.7	3.2	4	2			0.6	0.2	-0.6
Manhattan	Financial District (CD1)	101	4.8	3	4	2.3	1.2	1.4	0.6	0.2	-0.6
Brooklyn	East Flatbush (CD17)	317	4.4	3	3.6	1.7	1	1.1	0.5	0.2	-0.6
Brooklyn	Fort Greene and Brooklyn Heights (CD2)	302	4.4	2.9	3.7	1.9	1	1.2	0.5	0.2	-0.6
Brooklyn	Brownsville (CD16)	316	4.3	3.1	3.7	1.7	1.1	1.2	0.5	0.2	-0.6
Brooklyn	Borough Park (CD12)	312	4.4	2.8	3.6	1.7	0.9	1.1	0.5	0.2	-0.6
Brooklyn	Greenpoint and Williamsburg (CD1)	301	4.3	3	3.7	2	1.2	1.4	0.6	0.2	-0.6
Queens	Kew Gardens and Woodhaven (CD9)	409	4.2	3.1	3.7	1.8	1.1	1.4	0.5	0.2	-0.6
Queens	Flushing and Whitestone (CD7)	407	4.5	3	3.9	2	1.2	1.9	0.7	0.3	-0.6
Queens	Ridgewood and Maspeth (CD5)	405	4.1	2.9	3.6	1.8	1.1	1.4	0.6	0.2	-0.5
Bronx	Throgs Neck and Co-op City (CD10)	210	4.4	2.8	3.6	2.1	1.2	1.6	0.9	0.3	-0.5
Queens	Hillcrest and Fresh Meadows (CD8)	408	4	2.8	3.4	1.7	0.9	1.5	0.5	0.3	-0.5
Brooklyn	East New York and Starrett City (CD5)	305	3.8	2.8	3.3	1.5	1	1.1	0.5	0.2	-0.5
Brooklyn	Park Slope and Carroll Gardens (CD6)	306	3.9	2.5	3.2	1.6	0.8	1.1	0.4	0.2	-0.5
Brooklyn	Sunset Park (CD7)	307	3.8	2.3	3.1	1.5	0.8	1	0.4	0.2	-0.5
Brooklyn	Bensonhurst (CD11)	311	3.6	2.4	2.9	1.3	0.8	1	0.5	0.2	-0.5
Queens	South Ozone Park and Howard Beach (CD10)	410	3.4	2.5	2.9	1.4	0.8	1.1	0.4	0.2	-0.5
Queens	Bayside and Little Neck (CD11)	411									
Queens	Jamaica and Hollis (CD12)	412	3.4							0.3	
Brooklyn	Sheepshead Bay (CD15)	315		2.3	2.7	1.2	0.7	0.8	0.4	0.2	-0.4
Brooklyn	Bay Ridge and Dyker Heights (CD10)	310			2.8			1	0.4	0.2	-0.4
Brooklyn	Flatlands and Canarsie (CD18)	318	3.2	2.3			0.8	0.9	0.4	0.2	
Queens	Queens Village (CD13)	413							0.4		
Brooklyn	Coney Island (CD13)	313									
Queens	Rockaway and Broad Channel (CD14)	414									
Staten Island	St. George and Stapleton (CD1)	501		1.4	2.1	1	0.5	1	0.3		
Staten Island	South Beach and Willowbrook (CD2)	502	2.2								
Staten Island	Tottenville and Great Kills (CD3)	503									