Table 4. 2005 Statewide annual emission inventory (in tpy).

County	Pollutant	NON EGU	AREA	NON ROAD	MAR	EGU	MOBILE	TOTAL
Adams	NOx	665.42	127.85	142.28	325.30	30205.82	913.41	32380.08
	PM2.5	6.90	247.97	15.62	7.39	3344.63	16.56	3639.06
	SO2	4.37	33.56	15.33	28.54	125070.34	19.16	125171.30
Allen	NOx	2991.88	389.59	803.30	324.26		3893.76	8402.79
	PM2.5	587.03	101.18	68.06	10.18		64.39	830.84
	SO2	4207.70	37.41	80.22	25.22		74.18	4424.73
Ashland	NOx	32.37	216.44	965.36	273.08		2370.68	3857.92
	PM2.5	11.44	205.90	162.62	8.59		40.17	428.72
	SO2	15.68	46.65	65.97	23.72		46.39	198.42
Ashtabula	NOx	237.55	314.70	1057.58	1809.20	1592.35	3415.03	8426.42
	PM2.5	62.50	501.57	109.41	64.20	36.28	60.79	834.75
	SO2	20.07	109.14	104.56	337.39	4159.96	70.43	4801.54
Athens	NOx	733.03	159.85	227.16	83.12		1792.47	2995.63
	PM2.5	27.54	241.08	20.68	2.62		31.00	322.93
	SO2	1223.39	26.58	26.05	7.13		35.86	1319.00
Auglaize	NOx	53.50	191.75	575.65	142.89	195.38	1792.53	2951.70
	PM2.5	7.43	109.21	55.45	4.73	0.29	30.37	207.49
	SO2	164.28	20.06	58.03	12.62	1674.22	35.06	1964.27
Belmont	NOx	22.76	284.66	222.46	261.85	4149.93	3098.41	8040.07
	PM2.5	3.39	307.93	27.39	6.21	93.85	51.31	490.07
	SO2	0.13	93.50	21.98	22.84	37329.95	59.23	37527.62
Brown	NOx	1.60	170.15	312.14	256.42		1390.64	2130.96
	PM2.5	2.24	168.74	31.09	5.84		25.28	233.19
	SO2	0.64	52.85	37.65	22.60		29.25	142.99
Butler	NOx	4367.15	796.34	2348.42	919.91	743.27	7950.14	17125.22
	PM2.5	944.29	173.24	185.28	31.19	15.27	138.42	1487.69
	SO2	6185.26	224.54	260.36	80.84	1959.10	161.13	8871.22
Carroll	NOx	789.65	95.47	169.46	24.91		701.29	1780.78
	PM2.5	1.16	144.81	19.84	0.89		12.87	179.58
	SO2	8.75	43.32	15.63	1.42		14.89	84.00
Champaign	NOx	46.07	159.62	446.79	42.72		1079.63	1774.84
	PM2.5	15.96	96.36	42.13	1.31		19.45	175.21
	SO2	89.72	36.21	48.88	2.70		22.50	200.00
Clark	NOx	52.22	554.05	806.83	277.53		4392.95	6083.58
	PM2.5	3.16	132.50	66.40	9.96		82.04	294.06
	SO2	12.94	79.06	80.70	22.45		95.24	290.39
Clermont	NOx	67.50	612.97	1218.23	259.07	28063.56	5126.14	35347.47
	PM2.5	7.93	193.70	104.54	6.11	648.21	94.64	1055.12
	SO2	162.19	164.72	138.93	22.74	88876.65	110.33	89475.55
Clinton	NOx		164.44	552.82	17.22		2237.16	2971.65
	PM2.5		97.16	53.84	4.18		38.85	194.03
	SO2		43.19	58.68	1.16		44.76	147.79
Columbiana	NOx	134.47	444.81	496.73	785.62		3413.60	5275.24
	PM2.5	17.43	267.03	50.97	23.70		60.72	419.85
	SO2	2.99	145.58	44.62	66.81		70.18	330.19
Coshocton	NOx	578.94	148.92	262.02	158.46	21465.83	1134.87	23749.04
	PM2.5	93.96	147.96	23.39	3.72	657.22	20.47	946.72
	SO2	12.45	30.47	25.31	9.97	109750.80	23.64	109852.63
Crawford	NOx	27.34	168.03	607.52	657.04		1340.52	2800.45
	PM2.5	54.99	124.47	53.82	20.24		24.51	278.04
	SO2	5.61	41.41	62.61	56.00		28.34	193.96
Cuyahoga	NOx	3081.22	5103.40	8152.55	3672.47	1848.36	26782.90	48640.90
	PM2.5	807.55	558.62	630.80	111.89	81.43	484.72	2675.01
	SO2	5156.40	291.45	736.73	423.44	2991.78	569.88	10169.68

2005 Statewide annual emission inventory (in tpy).

County	Pollutant	NON EGU	AREA	NON ROAD	MAR	EGU	MOBILE	TOTAL
Darke	NOx	44.68	210.03	693.79	197.84		1427.93	2574.27
	PM2.5	3.87	141.80	66.55	6.26		25.94	244.42
	SO2	0.23	41.38	74.68	17.93		29.98	164.19
Defiance	NOx	1397.50	116.11	498.96	755.16	48.43	1197.25	4013.40
	PM2.5	636.21	57.81	46.83	23.95	6.59	21.49	792.89
	SO2	22.89	23.09	48.31	68.37	1.50	24.83	188.99
Delaware	NOx	13.89	457.79	1875.66	815.93		5317.43	8480.69
	PM2.5		156.94	167.23	25.55		88.58	438.31
	SO2	0.13	73.14	233.51	70.99		102.56	480.33
Erie	NOx	406.74	305.81	1013.27	1310.88		3760.95	6797.64
	PM2.5	15.96	124.06	88.70	44.98		62.14	335.85
	SO2	83.37	31.88	93.04	221.20		71.77	501.26
Fairfield	NOx	1318.66	329.99	1192.44	91.25		3361.25	6293.59
	PM2.5	66.92	305.67	99.27	2.57		58.01	532.43
	SO2	212.97	73.56	145.86	7.14		66.86	506.39
Fayette	NOx	38.66	106.57	485.98	11.17		1891.89	2534.27
	PM2.5	0.02	59.33	44.90	0.68		32.32	137.25
	SO2	0.28	24.80	55.18	0.72		37.27	118.24
Franklin	NOx	842.40	3945.51	7321.50	1751.39		35774.51	49635.31
	PM2.5	93.93	428.69	590.43	52.56		574.95	1740.57
	SO2	867.35	302.03	841.63	141.84		664.29	2817.14
Fulton	NOx	309.82	185.24	636.53	858.99		2094.45	4085.03
	PM2.5	107.32	96.86	58.35	26.06		35.36	323.95
	SO2	136.25	17.46	60.99	72.58		40.85	328.13
Gallia	NOx		122.81	110.23	316.92	57523.60	1228.42	59301.98
	PM2.5		132.22	11.87	7.50	1011.49	21.57	1184.65
	SO2		16.36	10.76	27.78	100102.91	24.94	100182.75
Geauga	NOx		389.88	761.09	0.57		1986.36	3137.90
	PM2.5	0.59	629.84	76.43	0.07		40.44	747.36
	SO2		156.51	67.20	0.04		47.50	271.26
Greene	NOx	2530.80	504.30	1016.05	67.80		3797.26	7916.22
	PM2.5	96.44	133.39	92.72	2.12		71.73	396.40
	SO2	2046.74	87.71	122.29	5.76		83.91	2346.41
Guernsey	NOx	1470.33	122.46	304.72	0.10		2894.83	4792.44
	PM2.5	40.90	173.50	34.60	0.25		46.70	295.95
	SO2	624.31	33.55	30.97	0.01		53.85	742.69
Hamilton	NOx	2756.21	1923.27	4845.98	1463.80	15236.04	23801.04	50026.33
	PM2.5	161.88	303.61	355.97	42.04	648.64	400.37	1912.51
	SO2	7819.40	163.45	474.85	117.60	77381.13	466.06	86422.49
Hancock	NOx	89.41	235.75	976.47	586.57		3414.56	5302.76
	PM2.5	1.05	77.08	79.80	18.95		57.46	234.35
	SO2	1.04	12.93	98.26	51.00		66.24	229.48
Hardin	NOx		135.25	422.48	160.56		864.10	1582.39
	PM2.5		99.51	43.16	5.16		15.59	163.42
	SO2		14.35	46.64	14.55		18.02	93.56
Harrison	NOx	120.41	71.30	136.26	76.72		640.20	1044.89
	PM2.5	0.00	74.83	19.01	1.83		11.67	107.34
	SO2		29.99	14.19	4.75		13.51	62.44
Henry	NOx	279.97	128.42	506.38	524.59		1201.07	2640.42
	PM2.5	46.20	66.95	57.89	16.27		21.94	209.24
	SO2	2436.40	14.03	55.80	46.83		25.37	2578.43
Highland	NOx		169.64	414.58	25.52		1082.26	1692.00
	PM2.5		188.30	41.78	0.80		19.19	250.08
	SO2		49.15	43.52	1.61		22.21	116.49
Hocking	NOx	614.89	123.56	103.31	365.81		868.48	2076.05
	PM2.5	32.10	179.83	15.62	8.31		14.57	250.42
	SO2	29.09	19.93	9.23	23.00		16.87	98.12
Holmes	NOx	172.75	135.73	363.77	42.61		955.28	1670.15
	PM2.5	2.02	267.94	34.91	1.39		17.65	323.90
	SO2	0.04	27.47	33.48	3.32		20.42	84.72

2005 Statewide annual emission inventory (in tpy).

County	Pollutant	NON EGU	AREA	NON ROAD	MAR	EGU	MOBILE	TOTAL
Huron	NOx	83.81	233.80	619.32	1146.56		1732.44	3815.93
	PM2.5	1.81	177.87	57.24	33.12		30.70	300.74
	SO2	1.64	36.58	60.11	87.88		35.49	221.69
Jackson	NOx	18.72	126.78	154.76	17.22		1327.62	1645.10
	PM2.5	40.28	138.55	17.12	0.51		22.53	219.00
	SO2	4.17	26.33	14.10	0.81		26.09	71.49
Jefferson	NOx	1991.85	251.38	253.59	317.30	41046.61	2137.84	45998.56
	PM2.5	461.57	110.12	24.83	8.07	1307.90	37.19	1949.68
	SO2	849.92	110.89	21.75	26.16	225594.94	42.97	226646.63
Knox	NOx	11.40	233.48	566.90	0.08		1304.80	2116.67
	PM2.5	8.54	252.38	49.94	0.20		23.25	334.31
	SO2	0.72	35.52	62.40	0.01		26.88	125.53
Lake	NOx	471.65	848.09	1873.78	1065.83	12969.08	5494.35	22722.78
	PM2.5	30.67	132.09	136.94	36.49	215.93	94.15	646.27
	SO2	736.41	94.92	162.20	159.67	80187.84	110.60	81451.63
Lawrance	NOx	68.51	232.73	165.50	785.48		1667.34	2919.56
	PM2.5	1.21	134.89	13.78	20.16		28.78	198.83
	SO2	0.24	30.33	18.98	68.18		33.27	150.99
Licking	NOx	969.15	584.99	1106.27	34.77		5618.84	8314.02
	PM2.5	566.61	513.17	96.74	0.79		90.97	1268.28
	SO2	422.83	87.75	124.74	2.19		105.32	742.83
Logan	NOx	10.02	207.18	549.17	420.94		1539.05	2726.36
	PM2.5	0.95	133.98	56.63	13.18		26.27	231.02
	SO2	5.90	31.33	55.02	37.69		30.40	160.34
Lorain	NOx	926.84	981.14	2507.76	1711.08	6959.73	5919.51	19006.05
	PM2.5	428.05	401.71	206.78	57.49	97.82	112.28	1304.13
	SO2	547.68	50.97	249.83	252.94	42437.09	131.92	43670.42
Lucas	NOx	5284.26	1599.07	2423.62	1230.91	6872.66	11576.57	28987.09
	PM2.5	886.51	196.35	180.63	36.79	365.28	183.86	1849.42
	SO2	11060.91	116.05	235.54	128.89	13788.45	211.65	25541.48
Madison	NOx	4.49	152.13	636.80	162.19		2519.91	3475.52
	PM2.5	0.00	36.51	61.95	5.53		42.48	146.48
	SO2	0.20	31.00	72.65	13.66		48.93	166.44
Mahoning	NOx	472.29	972.07	1171.64	583.57		7365.02	10564.59
	PM2.5	64.43	185.93	97.27	17.85		123.89	489.37
	SO2	1096.44	134.73	122.92	50.10		143.42	1547.60
Marion	NOx	456.15	226.77	692.06	1091.77		2138.42	4605.17
	PM2.5	222.95	82.16	57.49	34.72		36.61	433.93
	SO2	317.15	32.82	73.26	96.26		42.29	561.78
Medina	NOx	72.84	577.42	1295.08	331.57		5292.14	7569.05
	PM2.5	96.33	267.67	118.08	11.00		92.76	585.84
	SO2	142.11	88.82	143.41	29.01		108.87	512.22
Meigs	NOx		96.11	131.17	538.74		730.45	1496.48
	PM2.5		107.69	14.10	12.44		13.48	147.70
	SO2		15.38	15.99	47.26		15.60	94.23
Mercer	NOx		164.74	573.12	2.28		1362.01	2102.14
	PM2.5		92.43	57.09	0.16		24.56	174.24
	SO2		29.23	64.31	0.15		28.37	122.06
Miami	NOx	20.32	372.12	878.70	294.67		3260.12	4825.93
	PM2.5	13.15	118.63	69.68	9.26		56.69	267.42
	SO2	0.14	69.25	81.65	26.74		65.59	243.37
Monroe	NOx	106.56	67.38	135.05	277.18		659.09	1245.26
	PM2.5	5.43	117.08	13.95	6.41		12.15	155.02
	SO2	66.15	13.30	12.12	24.75		14.04	130.36
Montgomery	NOx	1481.03	1886.52	3141.22	931.14	2835.31	12769.52	23044.74
	PM2.5	110.86	435.20	232.23	25.91	173.19	234.62	1212.02
	SO2	1883.72	206.17	307.32	83.13	5914.75	273.84	8668.94
Morgan	NOx		67.07	83.93			522.33	673.33
	PM2.5		115.70	8.00			9.60	133.31
	SO2		13.05	9.15			11.10	33.31

2005 Statewide annual emission inventory (in tpy).

County	Pollutant	NON EGU	AREA	NON ROAD	MAR	EGU	MOBILE	TOTAL
Morrow	NOx		152.01	299.93	163.18		2169.50	2784.61
	PM2.5		165.64	33.91	5.21		36.98	241.73
	SO2		44.36	33.32	14.81		42.59	135.08
Muskingum	NOx	524.60	321.94	485.35	150.29		3466.86	4949.06
	PM2.5	122.15	252.15	39.64	3.71		59.23	476.88
	SO2	611.27	49.87	42.88	9.46		68.31	781.79
Noble	NOx	2.94	59.98	81.12			839.64	983.67
	PM2.5	0.06	84.82	7.60			13.08	105.55
	SO2	0.00	9.22	8.39			15.13	32.74
Ottawa	NOx	711.34	162.97	1071.02	1228.60		1616.21	4790.14
	PM2.5	138.70	92.36	98.60	42.88		28.38	400.91
	SO2	851.32	24.26	109.69	195.56		32.82	1213.65
Paulding	NOx		83.22	428.43	362.82		704.57	1579.04
	PM2.5	51.01	44.46	55.19	11.03		12.89	174.57
	SO2		13.51	49.30	30.70		14.90	108.41
Perry	NOx	708.79	99.23	185.16	82.80		891.63	1967.61
	PM2.5	85.48	110.65	15.42	2.29		16.31	230.15
	SO2	2.96	21.17	19.61	6.32		18.86	68.90
Pikaway	NOx	274.99	134.16	675.53	685.79	631.86	2185.78	4588.11
	PM2.5	79.75	75.96	63.47	21.39	12.80	39.34	292.71
	SO2	14.03	29.60	75.22	60.04	6180.76	45.40	6405.05
Pike	NOx	335.20	119.82	197.21	559.22		1096.90	2308.35
	PM2.5	56.67	202.74	19.32	17.27		19.38	315.38
	SO2	2085.43	26.41	17.62	48.93		22.43	2200.82
Portage	NOx	83.19	559.86	1184.58	908.80		5233.63	7970.05
	PM2.5	23.59	253.00	116.90	28.11		95.91	517.51
	SO2	10.24	143.62	122.16	78.55		112.12	466.70
Preble	NOx	1.27	171.67	449.23	296.70		1777.09	2695.96
	PM2.5	0.09	141.10	44.74	9.04		30.29	225.26
	SO2	0.00	53.08	48.30	25.20		34.92	161.50
Putnam	NOx	9.73	137.78	675.05	573.26		926.38	2322.21
	PM2.5	1.04	77.81	65.42	17.67		16.88	178.82
	SO2	0.34	22.88	74.47	49.79		19.51	167.00
Richland	NOx	1693.74	355.09	788.28	299.24	564.42	4275.60	7976.37
	PM2.5	39.51	351.22	63.00	10.90	5.20	72.68	542.51
	SO2	12.52	93.53	69.57	25.54	3393.27	83.84	3678.27
Ross	NOx	3400.96	276.00	452.89	695.91		2652.63	7478.40
	PM2.5	223.10	218.73	41.01	22.19		46.08	551.10
	SO2	22966.63	77.03	47.20	60.81		53.30	23204.96
Sundusky	NOx	3353.11	235.72	741.36	520.88		3355.64	8206.69
	PM2.5	122.93	98.44	71.18	16.26		56.76	365.56
	SO2	2439.64	25.55	70.42	43.91		65.53	2645.04
Scioto	NOx	570.12	240.86	324.89	1337.52		2245.78	4719.17
	PM2.5	84.20	199.12	37.43	37.29		39.27	397.30
	SO2	977.12	36.63	36.15	116.50		45.37	1211.78
Seneca	NOx	5503.88	240.61	645.76	1963.57		1518.45	9872.28
	PM2.5	44.50	238.60	60.89	61.79		27.38	433.16
	SO2	5891.21	37.98	68.29	173.39		31.64	6202.51
Shelby	NOx	295.24	137.93	731.07	463.42	0.53	1992.64	3620.83
	PM2.5	53.31	104.98	54.27	14.63	0.01	33.87	261.08
	SO2	364.55	29.15	65.99	41.77	0.06	39.00	540.54
Stark	NOx	1129.41	1313.88	2801.96	537.27		8663.37	14445.90
	PM2.5	380.10	370.87	231.64	14.58		152.03	1149.22
	SO2	553.14	163.72	261.01	38.35		175.97	1192.19
Summit	NOx	1456.66	2034.66	2953.59	762.05		15288.00	22494.97
	PM2.5	35.45	264.95	233.20	27.19		283.33	844.12
	SO2	10866.52	174.88	287.66	66.17		331.12	11726.36
Trumbull	NOx	1252.08	621.32	1218.28	604.14	4153.71	5967.79	13817.32
	PM2.5	351.53	361.69	84.54	20.19	22.49	95.25	935.70
	SO2	3495.84	137.18	110.63	48.52	15421.09	109.91	19323.15

2005 Statewide annual emission inventory (in tpy).

County	Pollutant	NON EGU	AREA	NON ROAD	MAR	EGU	MOBILE	TOTAL
Tuscarawas	NOx	482.33	331.23	508.61	144.01	312.44	3537.87	5316.49
	PM2.5	6.41	217.72	38.87	3.69	3.14	59.29	329.13
	SO2	1085.59	69.55	43.60	9.07	1880.27	68.43	3156.51
Union	NOx	32.41	175.03	981.38	125.22		1939.94	3253.98
	PM2.5	20.23	102.22	83.79	4.54		33.77	244.54
	SO2	85.76	26.88	105.74	11.37		39.00	268.74
Van Wert	NOx	129.74	108.64	504.18	5.49		1118.00	1866.05
	PM2.5	14.33	65.97	47.02	0.31		18.36	145.99
	SO2	1190.28	15.98	54.29	0.43		21.26	1282.25
Vinton	NOx	48.12	52.21	53.11	7.22		419.30	579.96
	PM2.5	0.68	95.06	4.99	0.17		7.54	108.43
	SO2	0.01	14.48	5.40	0.34		8.74	28.97
Warren	NOx	1024.95	426.57	1789.97	96.07		5944.54	9282.10
	PM2.5	18.75	236.92	143.72	2.95		107.73	510.08
	SO2	3.39	140.25	208.73	8.13		125.69	486.18
Washington	NOx	1748.86	168.44	425.97	500.78	16137.09	2354.04	21335.17
	PM2.5	472.37	148.43	35.53	11.76	384.81	39.73	1092.63
	SO2	5200.90	9.78	41.04	44.48	140957.01	45.89	146299.11
Wayne	NOx	1245.64	458.18	1006.94	352.32	1998.96	3631.79	8693.83
	PM2.5	201.07	533.85	81.60	12.89	25.11	64.20	918.72
	SO2	7675.24	97.54	96.55	30.71	15456.64	74.14	23430.82
Williams	NOx	55.07	164.86	538.51	957.33	0.85	1810.35	3526.97
	PM2.5	10.13	95.41	52.94	29.19	0.00	30.24	217.92
	SO2	194.93	20.10	50.39	81.32	0.02	35.00	381.77
Wood'	NOx	1238.44	435.71	1248.69	1624.47		6415.68	10962.99
	PM2.5	222.04	144.36	102.58	51.43		106.41	626.81
	SO2	273.76	17.14	128.11	135.30		122.59	676.90
Wyandot	NOx	176.90	98.66	432.47	353.95		1416.65	2478.63
	PM2.5	161.04	91.08	38.07	11.08		23.83	325.10
	SO2	4.61	20.00	45.40	31.76		27.60	129.37

Data source: Lake Michigan Air Directors Consortium (MRPO/LADCO). Emission Modeling and Inventories