

Mount Kisco Conservation Advisory Council, Global Warming Task Force

Report on Greenhouse Gas Analysis

July 20, 2009

INTRODUCTION

In 2008 the Village / Town of Mount Kisco, New York, took steps to join the nation-wide efforts by Towns across America to combat global warming through a reduction in the emission of Carbon Dioxide and other polluting gaseous emissions. Mount Kisco joined the U.S. Mayors' Climate Protection Agreement, and subsequently subscribed to and became a member of ICLEI (Local Governments for Sustainability), with the goals of inventorying greenhouse gas emissions in Mount Kisco, and subsequently taking steps to reduce them.

SUMMARY

This report describes the sources and estimated amounts of emissions based on local, county and National data, and the formulas included in the ICLEI algorithms. A Task Force worked on the study. This task force included Village Trustee Peter Grunthal, Conservation Advisory Council Chairman James Gmelin, and three interns, including Gregory Kofsky and David Weiner, students at Pace University, and Suzanne Weiner, graduate student. The Task Force methodology, data sources and their detailed results are described in Appendices I, II and III.

The focal point of the study is the amount of carbon dioxide emitted as a result of energy consumption from all identifiable sources in the Village. It was estimated that 139,693 tonnes of carbon dioxide were emitted in a 12 month period, of which 137,068 tonnes were generated by community (non-governmental) activity, and 2,625 tonnes by municipal government buildings, facilities and services.

The emission of other gases was also studied, and estimates were computed and are presented in this report.

The carbon dioxide emissions per capita were approximately 13.7 tonnes per person. This was based on the 2001 population census that determined the Mount Kisco population at approximately 10,000 persons. However, this does not take account of the large number of people who visit Mount Kisco every day to use its hospital, medical service providers,

restaurants, stores and other businesses. The per capita emissions are therefore probably lower than 13.9 tonnes per person, but the exact number is not easily determined.

The following Tables show the Estimated Greenhouse Gas Emissions based on the study. Details for Carbon Dioxide Emissions are provided in Appendix II, and details are given in Appendix III for other gaseous emissions.

Table I: Community – Carbon Dioxide

It will be noted that the estimated emissions of Carbon Dioxide amounted to 137,068 tonnes in the 12 months studied. Of this 30.7% was attributed to Residential use, 40.4% to Commercial and Industrial use, and 28.1 % to Transportation. The disposal of waste generated only 0.8% because waste is transported away from Mount Kisco for disposal.

6/2/2009

Mt. Kisco

Community Greenhouse Gas Emissions in 2007

Summary Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (MMBtu)
Residential	42,094	30.70	606,051
Commercial	55,350	40.40	735,331
Transportation	38,495	28.10	496,280
Waste	1,130	0.80	
Total	137,068	100.00	1,837,662

Generated using STAPPA/ALAPCO and ICLEI's Clean Air and Climate Protection Software developed by Torrie Smith Associates Inc.

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6/2/2009

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Table II: Government Facilities and Activities – Carbon Dioxide

49.5% of Carbon Dioxide emissions in the municipal sector were attributed to Government buildings, 15.4% to the vehicle fleet, 9.4% to street lighting, and 25.7% to the transmission of water and sewage.

6/8/2009

Mt. Kisco

Government Greenhouse Gas Emissions in 2006

Summary Report

	Equiv CO ₂ (tonnes)	Equiv CO ₂ (%)	Energy (MMBtu)	Cost (\$)
Buildings	1299	49.5	17632	359776
Vehicle Fleet	405	15.4	5185	103875
Streetlights	246	9.4	2498	108260
Water/Sewage	674	25.7	7490	215999
Total	2625	100	32804	787910

Generated using STAPPA/ALAPCO and ICLEI'S Clean Air and Climate Protection Software developed by Torrie Smith Associates Inc.

DETAILS

The tables in the Appendices show more detail, as follows:

Appendix II:

For the Community – Excludes Government Activity:

Report by Subsector – Emissions from Residential, Commercial / Industrial, Public Street and Highway, Transportation, Solid Waste.

Report by Source – Emissions from Diesel, Electricity, Food Waste, Gasoline, Light Fuel Oil, Natural Gas, Paper Products, Planr Debris, Wood/Textiles, and All Other Waste.

Detailed Report – Shows the breakdown and distribution of the two tables listed above.

For Government Activity:

Report by Source – Diesel, Electricity, Gasoline, Light Fuel Oil, Natural Gas, Propane.

Detailed Report – For each government facility, by source.

OTHER GASEOUS EMISSIONS

The tables listed above are repeated for emissions of NO_x, Sox, CO, VOC, and PM₁₀.

APPENDIX I TASK FORCE and METHODOLOGY

TASK FORCE

Our Task Force included James Gmelin, Chairman, Mount Kisco Conservation Advisory Council; Gregory Kofsky and Daniel Weiner Pace University Environmental Studies majors; Suzanne Weiner, Environmentalist; and Peter F. Grunthal, Mount Kisco Village Trustee. The task Force was assisted by Ms. Patti Hogan, Mount Kisco Deputy Treasurer and Mr. Jeffrey Econom, Mount Kisco Assistant Village Manager. Mr. James Palmer, Village Manager, gave information, advice, and support to this project, and the Village Mayor and Board of Trustees gave their support.

The Task Force was advised by Ms. Mary Beth Kass, Chairman of the Bedford Energy Advisory Panel; Mr. Gerald Moershel, Department of Public Works, Newcastle; and Mr. John Arneth, Volunteer on Greenhouse Gas Analysis in Newcastle.

The Task Force was generously assisted by Ms. Melissa (Missy) Stults, Senior Program Officer, ICLEI.

METHODOLOGY - INVENTORY OF GREENHOUSE GAS EMISSIONS

This was undertaken in two parts, Municipal Government and Community.

Data Collection Forms were provided by ICLEI. Software was subsequently downloaded from ICLEI for collation of the data.

Municipal Data:

The Fiscal Year June 1, 2006 through May 31, 2007 was selected as the Base Year, because this was the most recent fiscal year for which all invoices were available. Invoices for this period were manually searched, and all invoices for energy use were analyzed and details entered into an Excel Spreadsheet.

Details on the spreadsheet, taken from the invoices, were Date, Amount of energy use (in Kwh, therms, gallons, etc.), Dollar Cost, and facility at which the energy was delivered, or where it was destined for use. The facility was generally a building, pump site, parking lot, street light location, fire house, etc.) The Deputy Treasurer provided facility code information for correct entry of each facility on the spreadsheet.

The values accumulated in the spreadsheet were then entered in the ICLEI CACPS software.

Residential, Commercial and Industrial Data:

Most of the energy consumed in this sector included electricity, natural gas and fuel oil. The electricity and natural gas consumption was provided in aggregate by Consolidated Edison, and Fuel oil usage was based on the number of households and the square footage of commercial and industrial buildings, in conjunction with ICLEI default values.

Assumptions included in Data Entry:

- Gasoline and diesel fuels used by Municipal Vehicles: It was assumed that all gasoline used by Village vehicles was consumed at the rate at which passenger vehicles consume gasoline. This was based on the ICLEI findings that the emissions from gasoline engines will be fairly constant regardless of what kind of vehicle consumed the fuel. It was assumed that diesel fuel was consumed 50% by light trucks and 50% by heavy trucks, despite the ICLEI finding that emissions would not differ significantly. This method does not allow for Methane and Nitrous Oxide, emission of which differs based on the engine type; they were therefore excluded from the study.
- Gasoline and Diesel used within the boundaries of Mount Kisco were based on New York State Department of Transportation data for Westchester County. The total vehicle mileage in Westchester County was ratioed in the proportion of the population of Mount Kisco to the County population, to estimate the miles driven in Mount Kisco. It is not clear that this is an accurate assessment, because of the size and usage of the roads in Mount Kisco, but it was believed that this is the best estimate that can be made with the available data.
- Electricity and Natural Gas used by municipal government was based on the actual units of energy on invoices received from the energy suppliers.
- Electricity and Natural Gas used by residents, commerce and Industry was provided on detailed report by Consolidated Edison, for the calendar year 2007. It was assumed that this was similar to the amounts used in the base year.
- Waste: It was not possible to identify accurately the percentage of waste by category of waste. It was assumed that the percentage of paper and cardboard products was low, because Mount Kisco has a record of very effective recycling of these products. Other sources were based on the ICLEI default option. Therefore the percentages used were:
 - Paper 5%
 - Food waste 30%

- Plant Debris 12%
- Wood / Textiles 8%
- All Other 45%

- Methane from Landfill: Not identified and believed to be negligible. Waste products in the study period were carted to an external facility.
- Fuel Oil use by Government: Based on invoices.
- Fuel oil use by Community: Residential fuel oil usage was based on census data measuring the number of households using fuel oil, in conjunction with ICLEI's default average values. Based on 1728 households, per the 2000 AD census, and the ICLEI default of 985 gallons of Fuel Oil and Kerosene per household, the usage of 1,702,164 gallons was used.
- Fuel oil used by the Commercial and Industrial communities use was based on the total square footage of commercial and industrial buildings, extracted from the Assessor's individual build records, in conjunction with ICLEI's default average values. Based on 3,924,343 square feet of commercial and industrial space, and Department of Energy fuel oil consumption data, the use was 809,984 gallons.

APPENDIX II -- DETAILED RESULTS -- CARBON DIOXIDE EMISSIONS

6/8/2009

Page 1

Mt. Kisco
Community Greenhouse Gas Emissions in 2007
Report by Subsector

	2	2	2
	Equiv CO	Equiv CO	Energy
	(tonnes)	(%)	(MMBtu)

Residential

Mt. Kisco, New York

Other

18778

13.7

253521

Public Street & Highway

55

0

562

Residential

23260

17

351968

Subtotal

42094

30.7

606051

Subtotal

42094

30.7

606051

Commercial

Mt. Kisco, New York

Commercial Industrial Total

55350

40.4

735331

Commercial

55350

40.4

735331

Subtotal

55350

40.4

735331

Transportation

Mt. Kisco, New York

All Non Municipal Vehicles

38495

28.1

496280

Transportation

38495

28.1

496280

Subtotal

38495

28.1

496280

Waste

Mt. Kisco, New York

Solid Waste Transported to Peekskill

1130

0.8

Waste

1130

0.8

Subtotal

1130

0.8

Total

137068

100

1837662

This report has been generated for Mt. Kisco, New York using STAPPA/ALAPCO and ICLEI's Clean Air and Climate Protection Software developed by Torrie Smith Associates Inc.

6/8/2009

Page 1

Mt. Kisco

Community Greenhouse Gas Emissions in 2007

Report by Source

	Equiv CO 2 (tonnes)	Equiv CO 2 (%)	Energy (MMBtu)
All Other Waste	939	0.7	
Diesel	3887	2.8	49293
Electricity	36139	26.4	366400
Food Waste	104	0.1	
Gasoline	34608	25.2	446987
Light Fuel Oil	26367	19.2	351593
Natural Gas	34940	25.5	623389
Paper Products	17	0	
Plant Debris	42	0	
Wood/Textiles	28	0	
Total	137070	100	1837662

Fuel costs include Buildings, Vehicle Fleet, Streetlights and Water/Sewage sectors only.

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II-2

6/8/2009

Page 1

Community Greenhouse Gas Emissions in 2007

Report by Source

	Equiv CO 2 (tonnes)	Equiv CO 2 (%)	Energy (MMBtu)
Residential Sector			
Electricity	8370	6.1	84847
Light Fuel Oil	17865	13	238230
Natural Gas	15860	11.6	282973
Subtotal	42095	30.7	606051
Commercial Sector			
Electricity	27769	20.3	281552
Light Fuel Oil	8501	6.2	113363
Natural Gas	19080	13.9	340416
Subtotal	55350	40.4	735331
Transportation Sector			
Diesel	3887	2.8	49293
Gasoline	34608	25.2	446987
Subtotal	38495	28.1	496280
Waste Sector			
All Other Waste	939	0.7	
Food Waste	104	0.1	
Paper Products	17	0	
Plant Debris	42	0	
Wood/Textiles	28	0	
Subtotal	1130	0.8	
Total	137070	100	1837662

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II-4

6/8/2009

Page 1

Mt. Kisco, New York		Community Greenhouse Gas Emissions in 2007			
		Detailed Report			
		Equiv CO ₂	Equiv CO ₂	Energy	
		(tonnes)	(%)	(MMBtu)	
Residential					
	Other				
	Electricity	131	0.1	1307	
	Light Fuel Oil	17865	13	238230	
	Natural Gas	784	0.6	13984	
	Subtotal	18780	13.7	253521	
	Public Street & Highway				
	Electricity	55	0	562	
	Subtotal Public Street & Highway	55	0	562	
	Residential				
	Electricity	8184	6	82979	
	Natural Gas	15076	11	268989	
	Subtotal Residential	23260	17	351968	
	Subtotal Residential	42095	30.7	606051	
Commercial					
	Commercial Industrial Total				
	Electricity	27769	20.3	281552	
	Light Fuel Oil	8501	6.2	113363	
	Natural Gas	19080	13.9	340416	
	Subtotal Commercial Industrial Total	55350	40.4	735331	
	Subtotal Commercial	55350	40.4	735331	
Transportation					
	All Non Municipal Vehicles				
	Gasoline	34608	25.2	446987	
	Diesel	3887	2.8	49293	
	Subtotal All Non Municipal Vehicles	38495	28.1	496280	
	Subtotal Transportation	38495	28.1	496280	

Waste	Solid Waste Transported to Peekskill		Disposal Method - Controlled Incineration
	Paper Products	17	0
	Food Waste	104	0.1
	Plant Debris	42	0
	Wood/Textiles	28	0
	All Other Waste	939	0.7
	Subtotal Solid Waste Transported to Peekskill	1130	0.8
Subtotal Waste		1130	0.8
Total		137070	100 1837662

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6/8/2009

Page 1

Mt. Kisco
Government Greenhouse Gas Emissions in 2006
Summary Report

	Equiv CO 2	Equiv CO 2	Energy	Cost
	(tonnes)	(%)	(MMBtu)	(\$)
Buildings	1299	49.5	17632	359776
Vehicle Fleet	405	15.4	5185	103875
Streetslights	246	9.4	2498	108260
Water/Sewage	674	25.7	7490	215999
Total	2625	100	32804	787910

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6/8/2009

Page 1

Mt. Kisco

Government Greenhouse Gas Emissions in 2006

Report by Source

	Equiv CO (tonnes)	2	Equiv CO (%)	2	Energy (MMBtu)	Cost (\$)
Diesel	159		6.1		2013	41200
Electricity	1136		43.3		11513	431005
Gasoline	246		9.4		3171	62675
Light Fuel Oil	700		26.7		9335	146876
Natural Gas	354		13.5		6318	98187
Propane	30		1.1		453	7967
Total	2625		100		32804	787910

Fuel costs include Buildings, Vehicle Fleet, Streetlights and Water/Sewage sectors only.

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6/8/2009

Page 1

Government Greenhouse Gas Emissions in 2006

Detailed Report

	Equiv CO 2 (tonnes)	Equiv CO 2 (%)	Energy (MMBtu)	Cost (\$)
Buildings				
Mt. Kisco, New York				
Buildings with Diesel Fuel				
Light Fuel Oil	14	0.5	191	3345
Subtotal Buildings with Diesel Fuel	14	0.5	191	3345
DPW Garage				
Electricity	14	0.5	141	5581
Light Fuel Oil	237	9	3160	48424
Propane	1	0	13	223
Subtotal DPW Garage	252	9.6	3314	54228
East Main Street Statue				
Electricity	0	0	2	268
Subtotal East Main Street Statue	0	0	2	268
East Main Street Tennis Courts				
Electricity	0	0	3	205
Subtotal East Main Street Tennis Courts	0	0	3	205
Fox Senior Center				
Electricity	38	1.5	387	17216
Subtotal Fox Senior Center	38	1.5	387	17216
Green Street Fire Dept.				
Electricity	17	0.6	170	6907
Subtotal Green Street Fire Dept.	17	0.6	170	6907
Housing Authority/Seinor Center				
Natural Gas	302	11.5	5385	83399
Subtotal Housing Authority/Seinor Center	302	11.5	5385	83399

Leonard Park Pool House					
Propane	3				
Subtotal Leonard Park Pool House		0.1	43		757
Leonard Park Pool Rec Room	3	0.1	43		757
Electricity	74				
Subtotal Leonard Park Pool Rec Room		2.8	747		22658
Leonard Park Rec Garage	74	2.8	747		22658

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Subtotal Leonard Park Rec Garage	2	0.1	20		1032
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Leonard Park Tea House					
Electricity	8	0.3	79		2646
Subtotal Leonard Park Tea House	8	0.3	79		2646
Leonard Pool House Snack Bar					
Propane	26	1	398		6987
Subtotal Leonard Pool House Snack Bar	26	1	398		6987
Lexington Ave Ambulance Corps					
Electricity	26	1	262		8186
Natural Gas	8	0.3	139		2537
Subtotal Lexington Ave Ambulance Corps	34	1.3	401		10723
Lexington Ave Fire Dept.					
Electricity	12	0.5	126		5257
Light Fuel Oil	35	1.3	466		7428
Subtotal Lexington Ave Fire Dept.	47	1.8	592		12685
Lexington Ave Police and Courthouse					
Electricity	108	4.1	1092		28299
Natural Gas	44	1.7	791		12107
Subtotal Lexington Ave Police and Courthouse	152	5.8	1883		40406
Main Street Fire Dept.					

Electricity	14	0.5	138	5741
Light Fuel Oil	52	2	693	11251
Subtotal Main Street Fire Dept.	66	2.5	831	16992
Maple Ave Rec Center				
Electricity	0	0	3	294
Light Fuel Oil	7	0.3	99	1951
Subtotal Maple Ave Rec Center	8	0.3	102	2245
Moore Ave Historic School House				
Electricity	1	0	7	411
Subtotal Moore Ave Historic School House	1	0	7	411
Old Kirby Ambulance Building				
Electricity	11	0.4	109	3791
Subtotal Old Kirby Ambulance Building	11	0.4	109	3791
Old Library				
Electricity	35	1.3	357	13701
Natural Gas	0	0	3	144
Subtotal Old Library	35	1.3	360	13845
Old Post Office				
Electricity	15	0.6	147	11876
Subtotal Old Post Office	15	0.6	147	11876
Village Clock				
Electricity	1	0	6	387
Subtotal Village Clock	1	0	6	387
Village Hall				
Electricity	40	1.5	403	13456
Light Fuel Oil	125	4.8	1665	23932
Subtotal Village Hall	165	6.3	2068	37388
Water Department Building				
Electricity	8	0.3	79	3631
Light Fuel Oil	23	0.9	309	5748
Subtotal Water Department Building	31	1.2	388	9379
Subtotal Buildings	1299	49.5	17632	359776

Vehicle Fleet					
Mt. Kisco, New York					
Untitled					
Gasoline	246	9.4	3171	62675	
Diesel	159	6.1	2013	41200	
Subtotal Untitled	405	15.4	5185	103875	
Subtotal Vehicle Fleet	405	15.4	5185	103875	
Streetslights					
Mt. Kisco, New York					
Blackeby Main Street Lot					
Electricity	8	0.3	82	3784	
Subtotal Blackeby Main Street Lot	8	0.3	82	3784	
Dakin Parking Lot					
Electricity	1	0	6	501	
Subtotal Dakin Parking Lot	1	0	6	501	
East Hyat Ave Parking Lot					
Electricity	1	0	5	461	
Subtotal East Hyat Ave Parking Lot	1	0	5	461	
Main Street Spot Light					
Electricity	1	0.1	14	927	
Subtotal Main Street Spot Light	1	0.1	14	927	
Maple Ave Parking Lot					
Electricity	2	0.1	23	1203	
Subtotal Maple Ave Parking Lot	2	0.1	23	1203	
Moger Ave Parking Lot					
Electricity	5	0.2	55	2450	
Subtotal Moger Ave Parking Lot	5	0.2	55	2450	
Pole 3 Green Street					
Electricity	11	0.4	108	4906	
Subtotal Pole 3 Green Street	11	0.4	108	4906	
South Bedford Parking Lot					
Electricity	3	0.1	32	1845	

Subtotal South Bedford Parking Lot	3	0.1	32	1845
South Moger Ave Parking Lot				
Electricity	10	0.4	102	4883
Subtotal South Moger Ave Parking Lot	10	0.4	102	4883
Street Lights				
Electricity	204	7.8	2071	87300
Subtotal Street Lights	204	7.8	2071	87300
Subtotal Streetlights	246	9.4	2498	108260
Water/Sewage				
Mt. Kisco, New York				
Byrom Lake Filtration Plant				
Electricity	96	3.7	972	30915
Light Fuel Oil	163	6.2	2178	35526
Subtotal Byrom Lake Filtration Plant	259	9.9	3150	66441
Byrom Lake Road Pump				
Electricity	152	5.8	1539	51856
Subtotal Byrom Lake Road Pump	152	5.8	1539	51856
Cold Spring Court Sewer Pump				
Electricity	3	0.1	33	1648
Subtotal Cold Spring Court Sewer Pump	3	0.1	33	1648
Hillside Ave Pump				
Electricity	22	0.8	226	7705
Subtotal Hillside Ave Pump	22	0.8	226	7705
Leonard Park Garage Sewer				
Light Fuel Oil	7	0.3	98	1583
Subtotal Leonard Park Garage Sewer	7	0.3	98	1583
Leonard Park Wells				
Electricity	21	0.8	210	19354
Subtotal Leonard Park Wells	21	0.8	210	19354
Leonard Park Wells Light				
Electricity	0	0	0	67
Subtotal Leonard Park Wells Light	0	0	0	67

North Bedford Road Pump				
Electricity	8	0.3	85	3994
Subtotal North Bedford Road Pump	8	0.3	85	3994
Radio Circle Sewer Pump				
Electricity	3	0.1	26	1320
Subtotal Radio Circle Sewer Pump	3	0.1	26	1320
Saw Mill Sewer Pump				
Electricity	130	4.9	1315	38735
Light Fuel Oil	36	1.4	476	7688
Subtotal Saw Mill Sewer Pump	165	6.3	1791	46423
Stratford Drive Pump				
Electricity	22	0.9	228	10583
Subtotal Stratford Drive Pump	22	0.9	228	10583
Stratford Drive Water Pump				
Electricity	0	0	0	83
Subtotal Stratford Drive Water Pump	0	0	0	83
Victoria Drive Pump				
Electricity	10	0.4	104	4942
Subtotal Victoria Drive Pump	10	0.4	104	4942
Subtotal Water/Sewage	674	25.7	7490	215999
Total	2625	100	32804	787910

APPENDIX III -- DETAILED RESULTS -- OTHER GASEOUS EMISSIONS

III - 1

6/8/2009

Page 1

Mt. Kisco

Community Criteria Air Pollutants Emissions in 2007
Summary Report

	NOx (lbs)	SOx (lbs)	CO (lbs)	VOC (lbs)	PM10 (lbs)
Residential	137185	116816	51058	7679	30661
Commercial	168710	360752	107183	13831	77318
Transportation	245101	14182	2289607	235503	6776
Total	550996	491751	2447848	257013	114755

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6/8/2009

Page 1

Community Criteria Air Pollutants Emissions in 2007

Report by Source

	NOx (lbs)	SOx (lbs)	CO (lbs)	VOC (lbs)	PM10 (lbs)
Residential Sector					
Electricity	24541	79767	26029	2911	21693
Light Fuel Oil	62958	35121	12763	2150	7512
Natural Gas	49682	1894	12275	2618	1454
Subtotal	137181	116782	51066	7680	30658
Commercial Sector					
Electricity	81449	264808	86343	9658	71995
Light Fuel Oil	30069	93665	6073	1023	3575
Natural Gas	57192	2278	14767	3150	1749
Subtotal	168710	360752	107183	13831	77318
Transportation Sector					
Diesel	47899	2355	39051	5884	2335
Gasoline	197202	11827	2250556	229619	4441
Subtotal	245101	14182	2289607	235503	6776
Total	550992	491716	2447857	257014	114752

This report has been generated for Mt. Kisco, New York using STAPPA/ALAPCO and ICLEI's Clean Air and Climate Protection Software developed by Torrie Smith Associates Inc.

6/8/2009

Page 1

Community Criteria Air Pollutants Emissions in 2007 Detailed Report

	NOx (lbs)	SOx (lbs)	CO (lbs)	VOC (lbs)	PM10 (lbs)
Mt. Kisco, New York					
Residential					
Other					
Electricity	374	1195	410	46	331
Light Fuel Oil	62958	35121	12763	2150	7512
Natural Gas	2455	94	607	129	72
Subtotal Other	65787	36409	13779	2326	7915
Public Street & Highway					
Electricity	162	528	172	19	144
Subtotal Public Street & Highway	162	528	172	19	144
Residential					
Electricity	24004	78044	25447	2846	21218
Natural Gas	47227	1800	11669	2489	1382
Subtotal Residential	71232	79844	37116	5335	22600
Subtotal Residential Commercial	137181	116782	51066	7680	30658
Commercial					
Commercial Industrial Total					
Electricity	81449	264808	86343	9658	71995
Light Fuel Oil	30069	93665	6073	1023	3575
Natural Gas	57192	2278	14767	3150	1749
Subtotal Commercial Industrial Total	168710	360752	107183	13831	77318
Subtotal Commercial Transportation	168710	360752	107183	13831	77318
All Non Municipal Vehicles					
Gasoline	197202	11827	2250556	229619	4441
Diesel	47899	2355	39051	5884	2335

III-3

Subtotal All Non Municipal Vehicles	245101	14182	2289607	235503	6776
Subtotal Transportation	245101	14182	2289607	235503	6776
Subtotal Mt. Kisco, New York	550992	491716	2447857	257014	114752
Total	550992	491716	2447857	257014	114752

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6/8/2009

Page 1

Mt. Kisco

Government Criteria Air Pollutants Emissions in 2006
Summary Report

	NOx (lbs)	SOx (lbs)	CO (lbs)	VOC (lbs)	PM10 (lbs)
Buildings	4115	9505	1948	267	1336
Vehicle Fleet	2887	183	17377	1882	130
Streetlights	723	2349	766	86	639
Water/Sewage	2100	6730	1600	187	1298
Total	9825	18767	21691	2422	3403

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III - 5

6/8/2009

Page 1

Mt. Kisco

Government Criteria Air Pollutants Emissions in 2006

Report by Source

	NOx (lbs)	SOx (lbs)	CO (lbs)	VOC (lbs)	PM10 (lbs)
Diesel	1509		96	1286	236
Electricity	3331	10828	3531	395	2944
Gasoline	1379	88	16091	1645	30
Light Fuel Oil	2476	7713	500	84	294
Natural Gas	1061	42	274	58	32
Propane	69	0	9	2	2
Total	9825	18767	21691	2422	3403

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6/8/2009

Page 1

Government Criteria Air Pollutants Emissions in 2006
Detailed Report

Buildings

Mt. Kisco, New York									
Buildings with Diesel Fuel									
Light Fuel Oil	51	158	10	2				6	
Subtotal Buildings with Diesel Fuel	51	158	10	2				6	
DPW Garage									
Electricity	41	133	43	5				36	
Light Fuel Oil	838	2611	169	29				100	
Propane	2	0	0	0				0	
Subtotal DPW Garage	881	2743	213	33				136	
East Main Street Statue									
Electricity	1	2	1	0				1	
Subtotal East Main Street Statue	1	2	1	0				1	
East Main Street Tennis Courts									
Electricity	1	3	1	0				1	
Subtotal East Main Street Tennis Courts	1	3	1	0				1	
Fox Senior Center									
Electricity	112	364	119	13				99	
Subtotal Fox Senior Center	112	364	119	13				99	
Green Street Fire Dept.									
Electricity	49	159	52	6				43	
Subtotal Green Street Fire Dept.	49	159	52	6				43	
Housing Authority/Seinor Center									
Natural Gas	905	36	234	50				28	
Subtotal Housing Authority/Seinor Center	905	36	234	50				28	
Leonard Park Pool House									

Propane 7 0 1 0 0
 Subtotal Leonard Park Pool House 7 0 1 0 0
 Leonard Park Pool Rec Room

Electricity 216 703 229 26 191
 Subtotal Leonard Park Pool Rec Room 216 703 229 26 191
 Leonard Park Rec Garage

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Electricity 6 18 6 1 5
 Subtotal Leonard Park Rec Garage 6 18 6 1 5

Leonard Park Tea House
 Electricity 23 74 24 3 20
 Subtotal Leonard Park Tea House 23 74 24 3 20
 Leonard Pool House Snack Bar

Propane 61 0 8 2 2
 Subtotal Leonard Pool House Snack Bar 61 0 8 2 2
 Lexington Ave Ambulance Corps

Electricity 76 246 80 9 67
 Natural Gas 23 1 6 1 1
 Subtotal Lexington Ave Ambulance Corps 99 247 86 10 68
 Lexington Ave Fire Dept.

Electricity 36 118 39 4 32
 Light Fuel Oil 124 385 25 4 15
 Subtotal Lexington Ave Fire Dept. 160 504 64 9 47
 Lexington Ave Police and Courthouse

Electricity 316 1027 335 37 279
 Natural Gas 133 5 34 7 4
 Subtotal Lexington Ave Police and Courthouse 449 1033 369 45 283
 Main Street Fire Dept.

Electricity 40 129 42 5 35

Light Fuel Oil	184	573	37	6	22
Subtotal Main Street Fire Dept.	224	702	79	11	57
Maple Ave Rec Center					
Electricity	1	3	1	0	1
Light Fuel Oil	26	82	5	1	3
Subtotal Maple Ave Rec Center	27	85	6	1	4
Moore Ave Historic School House					
Electricity	2	6	2	0	2
Subtotal Moore Ave Historic School House	2	6	2	0	2
Old Kirby Ambulance Buildig					
Electricity	32	103	33	4	28
Subtotal Old Kirby Ambulance Buildig	32	103	33	4	28
Old Library					
Electricity	103	336	109	12	91
Natural Gas	0	0	0	0	0
Subtotal Old Library	104	336	110	12	91
Old Post Office					
Electricity	43	139	45	5	38
Subtotal Old Post Office	43	139	45	5	38
Village Clock					
Electricity	2	6	2	0	2
Subtotal Village Clock	2	6	2	0	2
Village Hall					
Electricity	117	379	124	14	103
Light Fuel Oil	442	1375	89	15	52
Subtotal Village Hall	558	1754	213	29	156
Water Department Building					
Electricity	23	74	24	3	20
Light Fuel Oil	82	256	17	3	10
Subtotal Water Department Building	105	330	41	6	30
Subtotal Buildings	4115	9505	1948	267	1336
Vehicle Fleet					

Electricity	25	80	26	3	22
Subtotal North Bedford Road Pump	25	80	26	3	22
Radio Circle Sewer Pump					
Electricity	7	24	8	1	7
Subtotal Radio Circle Sewer Pump	7	24	8	1	7
Saw Mill Sewer Pump					
Electricity	380	1237	403	45	336
Light Fuel Oil	126	393	26	4	15
Subtotal Saw Mill Sewer Pump	507	1630	429	49	351
Stratford Drive Pump					
Electricity	66	214	70	8	58
Subtotal Stratford Drive Pump	66	214	70	8	58
Stratford Drive Water Pump					
Electricity	0	0	0	0	0
Subtotal Stratford Drive Water Pump	0	0	0	0	0
Victoria Drive Pump					
Electricity	30	98	32	4	27
Subtotal Victoria Drive Pump	30	98	32	4	27
Subtotal Water/Sewage	2100	6730	1600	187	1298
Total	9825	18767	21691	2422	3403

