

City of Markham Ontario Regulation 397/11 Energy Consumption and Greenhouse Gas Emissions Report for 2012

Confirm consecutive 12-month period (month-year to month-year)		Jan/2012 - Dec/2012											Total (These columns will calculate when file is Saved)				
Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area of the Indoor Space in which Operation is Conducted	Avg hrs/wk	Annual Flow (Mega Litres)	Energy Type and Amount Purchased and Consumed in Natural Units					GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litres)		
								Electricity	Natural Gas	District Heating	If Yes, enter Emission Factor	District Cooling				If Yes, enter Emission Factor	
Fire Station #91	Fire stations and associated offices and facilities	7801 Bayview Avenue	Thornhill	L3T 7N1	8,348 Square feet	168		95,347.45 kWh	19,221.87 Cubic meter				43,969.18	35.89			
Fire Station #92	Fire stations and associated offices and facilities	10 Riviera Dr	Markham	L3R 5M1	15,408 Square feet	168		212,749.65 kWh	40,707.60 Cubic meter				93,982.86	41.89			
Fire Station #93	Fire stations and associated offices and facilities	2930 MAJOR MACKENZIE DR E	Markham	L6C 0J1	10,834 Square feet	168		152,312.90 kWh	2,238.39 Cubic meter				16,416.98	16.25			
Fire Station #94	Fire stations and associated offices and facilities	7300 Birchmount	Markham	L3R 3T1	7,142 Square feet	168		84,468.78 kWh	22,065.50 Cubic meter				48,475.13	44.66			
Fire Station #95	Fire stations and associated offices and facilities	316 Main Street	Unionville	L3R 2H2	11,846 Square feet	168		147,896.69 kWh	33,522.67 Cubic meter				75,210.59	42.56			
Fire Station #96	Fire stations and associated offices and facilities	5567 14th Avenue, Milliken	Markham	L3S 3K5	8,933 Square feet	168		82,323.07 kWh	22,409.25 Cubic meter				48,953.37	35.88			
Fire Station #97	Fire stations and associated offices and facilities	209 Main Street, Markham	Markham	L3P 1Y4	7,669 Square feet	168		51,079.49 kWh	6,420.11 Cubic meter				16,224.39	15.56			
Fire Station #98	Fire stations and associated offices and facilities	650 Bur Oak Avenue, Markham	Markham	L6E 1C3	9,400 Square feet	168		133,503.09 kWh	28,371.39 Cubic meter				64,319.97	46.28			
Fire Station #99	Fire stations and associated offices and facilities	3255 Bur Oak Avenue, Markham	Markham	L6B 1E3	10,834 Square feet	168		16,500.00 kWh	573.66 Cubic meter	673.20	Giga Joule - st	43.03	243.00	Giga Joule - c	5.20	45,153.81	21.23
John Street Fire Training Centre	Fire stations and associated offices and facilities	438 John Street	Thornhill	L3T 1Z1	5,531 Square feet	168		24,410.00 kWh	11,323.66 Cubic meter				23,361.62	26.17			
Markham Village Library	Public libraries	6031 Highway 7	Markham	L3P 3A7	19,561 Square feet	67		587,427.88 kWh	40,905.79 Cubic meter				124,331.83	52.26			
Unionville Library	Public libraries	15 Library Lane	Markham	L3R 5C4	13,640 Square feet	65		256,140.73 kWh	9,103.87 Cubic meter				37,703.27	25.87			
Thornhill Village Library	Public libraries	10 Colborne St	Thornhill	L3T 1Z6	4,283 Square feet	44		31,785.97 kWh	3,635.32 Cubic meter				9,415.92	16.44			
McKay House	Art galleries	197 MAIN ST	Markham	L3R 9W3	3,116 Square feet	39		17,044.14 kWh	3,831.53 Cubic meter				8,607.53	18.54			
Varley Art Gallery	Art galleries	216 Main st	Unionville	L3R 2H1	25,000 Square feet	41		511,331.29 kWh	62,005.43 Cubic meter				158,135.65	46.81			
Enterprise Dr. Stormwater Pumping Station	Facilities related to the pumping of water	Enterprise Dr. (43°51'10.84"N- 79°18'54.70"W)	Markham	L3R 2E3	400 Square feet	2	5.11	25,400.90 kWh	- Cubic meter				2,032.07	63.50	4,972.71		
HAGERMAN DIAMOND STORM WATER PUMPING STATION	Facilities related to the pumping of water	4228 14th Ave Pump Stn	Markham	L3R 0J3	1,000 Square feet	34	74.52	134,632.74 kWh	- Cubic meter				10,770.62	134.63	1,806.76		
Carlton Sewage Lift Station	Facilities related to the pumping of sewage	4228 14th Ave Pump Stn	Markham	L3R 3M5	1,000 Square feet	37	19.98	29,531.72 kWh	- Cubic meter				2,362.54	29.53	1,478.41		
(Milliken) HAGERMAN DIAMOND SEWAGE PUMPING STATION	Facilities related to the pumping of sewage	14TH AVE MILLIKEN MILLS PARK PUMP STAT	Markham	L3R 0J2	538 Square feet	48	18.99	22,825.55 kWh	- Cubic meter				1,826.04	42.43	1,201.82		
Cachet Woods Sewage Lift Station	Facilities related to the pumping of sewage	(350) 400 Calvert Road	Unionville	L6C 1Y2	500 Square feet	29	41.48	71,020.43 kWh	8,183.27 Cubic meter				21,153.15	315.98	3,809.26		
(Kennedy) Milliken Mills Sewage Lift Station	Facilities related to the pumping of sewage	7522 KENNEDY ROAD	Markham	L3R 955	538 Square feet	6	1.86	3,152.41 kWh	- Cubic meter				252.19	5.86	1,698.23		
Rougecrest Sewage Lift Station	Facilities related to the pumping of sewage	26 Rougecrest Rd	Markham	L3P 3C1	500 Square feet	2	0.47	2,740.55 kWh	- Cubic meter				219.24	2,740.55	5,847.24		
Markham Village BIA	Administrative offices and related facilities, including municipal council chambers	132 ROBINSON ST	Markham	L3P 5H5	630 Square feet	65		12,172.24 kWh	1,898.40 Cubic meter				4,562.94	51.35			
Community & Fire Services Administration Building	Administrative offices and related facilities, including municipal council chambers	8100 WARDEN AVE	Markham	L3R 8H7	34,028 Square feet	65		266,046.52 kWh	6,150.78 Cubic meter	743.55	Giga Joule - st	43.03	305.63	Giga Joule - c	5.20	80,540.38	16.57
Community & Fire Services Administration Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	8100 WARDEN AVE	Markham	L3R 8H7	25,694 Square feet	65		200,887.48 kWh	4,644.36 Cubic meter	561.45	Giga Joule - st	43.03	233.29	Giga Joule - c	5.20	60,842.57	16.57
Buttonville Women's Institute Community Hall	Community centres	8931 Woodbine Avenue	Unionville	L3R 0J9	5,360 Square feet	126		16,334.48 kWh	6,243.37 Cubic meter				13,110.65	15.43			
Old Unionville Library Community Centre	Community centres	221 Main Street	Unionville	L3P 1Y6	3,369 Square feet	126		15,153.74 kWh	4,686.17 Cubic meter				10,072.09	19.28			
Unionville Train Station Community Centre	Community centres	7 STATION LANE	Markham	L3R 1R4	1,985 Square feet	126		8,132.25 kWh	2,975.60 Cubic meter				6,276.33	20.03			
Warden House	Community centres	8840 Warden Avenue	Markham	L3R 0K3	5,296 Square feet	56		52,538.67 kWh	- Cubic meter				4,203.09	9.92			
Markham Seniors Activity Centre	Indoor recreational facilities	22 Water Street, Markham	Markham	L3P 7P9	10,106 Square feet	49		211,539.73 kWh	11,429.02 Cubic meter				38,531.20	32.95			
Markham Seniors Activity Centre	Gyms and indoor courts for playing tennis, basketball or other sports	22 Water Street, Markham	Markham	L3P 7P9	4,033 Square feet	49		84,419.13 kWh	4,560.98 Cubic meter				15,376.64	32.95			
Milliken Mills Soccer Dome & Clubhouse	Gyms and indoor courts for playing tennis, basketball or other sports	7700 Kennedy Rd	Markham	L3R 955	33,382 Square feet	30		310,961.81 kWh	65,971.86 Cubic meter				149,605.12	30.32			
St. Robert's Soccer Dome	Gyms and indoor courts for playing tennis, basketball or other sports	8101 LESLIE ST	Markham	L3T 7P4	29,351 Square feet	30		- kWh	69,758.35 Cubic meter				131,887.02	25.26			
Markham Civic Centre	Administrative offices and related facilities, including municipal council chambers	101 Town Centre Blvd	Markham	L3R 9W3	155,917 Square feet	65		2,214,699.24 kWh	- Cubic meter	4,290.90	Giga Joule - st	43.03	3,449.18	Giga Joule - c	5.20	470,631.67	23.71
Markham Civic Centre	Parking garages	101 Town Centre Blvd	Markham	L3R 9W3	16,598 Square feet	65		235,763.76 kWh	- Cubic meter	456.78	Giga Joule - st	43.03	367.18	Giga Joule - c	5.20	50,100.66	23.71
Centennial Community Centre	Indoor ice rinks	8600 McCowan Rd	Markham	L3P 3M2	67,578 Square feet	126		1,461,719.79 kWh	54,555.50 Cubic meter				220,081.69	30.21			
Centennial Community Centre	Community centres	8600 McCowan Rd	Markham	L3P 3M2	48,525 Square feet	126		1,049,601.24 kWh	163,785.27 Cubic meter				393,624.96	57.50			
Centennial Community Centre	Gyms and indoor courts for playing tennis, basketball or other sports	8600 McCowan Rd	Markham	L3P 3M3	8,305 Square feet	107		179,638.09 kWh	28,031.67 Cubic meter				67,368.48	57.50			
Centennial Community Centre	Indoor swimming pools	8600 McCowan Rd	Markham	L3P 3M4	17,592 Square feet	126		380,516.95 kWh	59,377.86 Cubic meter				142,702.74	57.50			
Thornhill Community Centre	Community centres	7755 Bayview Ave	Markham	L3T 4P1	50,819 Square feet	126		1,077,345.27 kWh	91,474.82 Cubic meter				259,132.40	40.33			
Thornhill Community Centre	Indoor ice rinks	7755 Bayview Ave	Markham	L3T 4P1	92,267 Square feet	126		1,956,028.58 kWh	166,081.73 Cubic meter				470,480.90	40.33			
Thornhill Community Centre	Public libraries	7755 Bayview Ave	Markham	L3T 4P1	25,053 Square feet	45		531,114.96 kWh	45,300.71 Cubic meter				128,135.94	40.42			
Crosby Community Centre/Arena	Community centres	210 Main St	Unionville	L3R 2G9	5,658 Square feet	126		130,336.17 kWh	7,386.46 Cubic meter				24,391.93	36.91			
Crosby Community Centre/Arena	Indoor ice rinks	210 Main St	Unionville	L3R 2G9	28,635 Square feet	126		659,628.18 kWh	37,382.68 Cubic meter				123,446.95	36.91			
Milliken Mills Community Centre	Community centres	7600 Kennedy Rd	Markham	L3R 955	36,410 Square feet	126		747,203.34 kWh	157,607.51 Cubic meter				357,753.28	66.53			
Milliken Mills Community Centre	Indoor swimming pools	7600 Kennedy Rd	Markham	L3R 956	18,388 Square feet	126		377,357.18 kWh	79,595.90 Cubic meter				180,674.74	66.53			
Milliken Mills Community Centre	Public libraries	7600 Kennedy Rd	Markham	L3R 957	16,434 Square feet	43		337,257.34 kWh	71,137.65 Cubic meter				161,475.35	66.53			
Milliken Mills Community Centre	Indoor ice rinks	7600 Kennedy Rd	Markham	L3R 955	32,206 Square feet	126		660,929.16 kWh	23,061.81 Cubic meter				96,475.61	28.13			
Armada Community Centre	Community centres	2401 Denison St	Markham	L3S 1G3	12,699 Square feet	126		187,084.90 kWh	25,232.46 Cubic meter				62,671.96	35.85			
Armada Community Centre	Gyms and indoor courts for playing tennis, basketball or other sports	2401 Denison St	Markham	L3S 1G3	10,858 Square feet	126		159,962.82 kWh	21,574.46 Cubic meter				53,586.27	35.85			
Angus Glen Tennis Centre	Gyms and indoor courts for playing tennis, basketball or other sports	3970 Major Mackenzie Dr E	Markham	L6P 1P8	31,893 Square feet	126		841,822.43 kWh	28,567.30 Cubic meter				121,355.90	35.91			
Pingle House	Community centres	4022 Major Mackenzie Drive	Markham	L6P 1P8	4,400 Square feet	126		116,138.92 kWh	2,963.67 Cubic meter				14,894.31	33.55			
Angus Glen Community Centre/Arena	Community centres	3990 Major Mackenzie Dr E	Markham	L6P 1P8	43,596 Square feet	126		1,150,725.57 kWh	122,899.87 Cubic meter				324,415.85	56.36			
Angus Glen Community Centre/Arena	Public libraries	3990 Major Mackenzie Dr E	Markham	L6P 1P8	34,910 Square feet	42		921,456.78 kWh	98,413.49 Cubic meter				259,779.74	56.36			
Angus Glen Community Centre/Arena	Indoor ice rinks	3990 Major Mackenzie Dr E	Markham	L6P 1P8	74,584 Square feet	45		1,968,660.34 kWh	210,256.99 Cubic meter				555,010.37	56.36			
Angus Glen Community Centre/Arena	Indoor swimming pools	3990 Major Mackenzie Dr E	Markham	L6P 1P8	18,633 Square feet	126		491,821.95 kWh	52,527.60 Cubic meter				138,655.85	56.36			
Angus Glen Community Centre/Arena	Gyms and indoor courts for playing tennis, basketball or other sports	3990 Major Mackenzie Dr E	Markham	L6P 1P8	7,284 Square feet	126		192,262.71 kWh	20,534.05 Cubic meter				54,203.25	56.36			
Markham Village Community Centre/Arena	Community centres	6041 Highway 7	Markham	L3P 3A7	10,120 Square feet	126		198,054.75 kWh	7,992.27 Cubic meter				30,954.78	27.96			
Markham Village Community Centre/Arena	Indoor ice rinks	6041 Highway 7	Markham	L3P 3A7	33,084 Square feet	126		647,474.64 kWh	26,128.08 Cubic meter				101,196.43	27.96			
Mount Joy Community Centre/Arena	Community centres	6140 16th Ave	Markham	L3P 3K8	28,473 Square feet	126		485,552.27 kWh	17,355.43 Cubic meter				71,656.83	23.53			
Mount Joy Community Centre/Arena	Indoor ice rinks	6140 16th Ave	Markham	L3P 3K8	32,571 Square feet	126		555,435.78 kWh	19,853.33 Cubic meter				81,970.10	23.53			
Rouge River Community Centre	Community centres	120 Rouge Bank Dr	Markham	L3S 4B7	15,569 Square feet	126		211,971.85 kWh	38,982.14 Cubic meter				90,658.43	40.23			
Rouge River Community Centre	Auditoriums	120 Rouge Bank Dr	Markham	L3S 4B7	4,733 Square feet	126		64,439.77 kWh	11,850.63 Cubic meter				27,560.30	40.23			
R.J. Clatworthy Arena	Indoor ice rinks	2400 John St	Markham	L3T 6G6	33,284 Square feet	126		568,635.87 kWh	26,765.47 Cubic meter				96,094.39	25.63			
Princess Street Parks Shop	Storage facilities where equipment or vehicles are maintained, repaired or stored	6 Princess Street, Markham	Markham	L3P 1K3	960 Square feet	65		38,427.19 kWh	- Cubic meter				3,074.18	40.03			
Milne Parks Yard Shop	Storage facilities where equipment or vehicles are maintained, repaired or stored	8251 MCCOWAN RD Milne Park	Markham	L3P 3J3	1,291 Square feet	65		11,598.23 kWh	- Cubic meter				927.86	8.98			
Parks Department Maintenance Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	4415 14th Avenue, Milliken	Markham	L3R 0J2	7,259 Square feet	65		73,502.89 kWh	12,911.93 Cubic meter				30,291.88	29.03			
Fleet Maintenance Works Yard- Main Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	555 Miller Avenue, Markham	Markham	L6G 1B2	30,035 Square feet	65		392,773.32 kWh	109,803.38 Cubic meter				239,019.10	51.93			
Fleet Maintenance																	