

**City of Markham Ontario Regulation 397/11 Energy Consumption and Greenhouse Gas Emissions Report for 2011**

Confirm consecutive 12-month period (month-year to month-year)															Total (These columns will calculate when file is Saved)					
Jan/2011 - Dec/2011																				
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					If Yes, enter Emission Factor	If Yes, enter Emission Factor	GHG Emissions (kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litres)			
								Electricity	Natural Gas	District Heating	District Cooling	District Cooling								
Fire Station #91	Fire stations and associated offices and facilities	7801 Bayview Avenue	Thornhill	L3T 7N1	8,348	Square feet	168	-	101,887.23	kWh	21,085.00	Cubic meter			48,014.85	39.05				
Fire Station #92	Fire stations and associated offices and facilities	10 Riviera Dr	Markham	L3R 5M1	15,408	Square feet	168	-	259,911.79	kWh	41,921.00	Cubic meter			100,049.92	45.78				
Fire Station #93	Fire stations and associated offices and facilities	2930 MAJOR MACKENZIE DR E	Markham	L6C 0J1	10,834	Square feet	168	-	126,529.18	kWh	2,725.00	Cubic meter			15,274.29	14.35				
Fire Station #94	Fire stations and associated offices and facilities	7300 Birchmount	Markham	L3R 3T1	7,142	Square feet	168	-	88,365.43	kWh	23,980.00	Cubic meter			52,406.47	48.06				
Fire Station #95	Fire stations and associated offices and facilities	316 Main Street	Unionville	L3R 2H2	11,846	Square feet	168	-	180,795.91	kWh	37,210.00	Cubic meter			84,813.90	48.65				
Fire Station #96	Fire stations and associated offices and facilities	5567 14th Avenue, Milliken	Markham	L3S 3K5	8,933	Square feet	168	-	75,652.61	kWh	23,270.00	Cubic meter			50,047.10	36.15				
Fire Station #97	Fire stations and associated offices and facilities	209 Main Street, Markham	Markham	L3P 1Y4	7,669	Square feet	168	-	59,717.94	kWh	15,825.00	Cubic meter			34,696.61	29.72				
Fire Station #98	Fire stations and associated offices and facilities	650 Bur Oak Avenue, Markham	Markham	L6E 1C3	9,400	Square feet	168	-	126,056.15	kWh	27,863.00	Cubic meter			62,763.03	44.91				
John Street Fire Training Centre	Fire stations and associated offices and facilities	438 John Street	Thornhill	L3T 1Z1	5,531	Square feet	168	-	23,706.13	kWh	17,914.00	Cubic meter			35,765.18	38.71				
Markham Village Library	Public libraries	6031 Highway 7	Markham	L3P 3A7	19,561	Square feet	67	-	655,883.96	kWh	48,284.00	Cubic meter			143,757.75	59.76				
Unionville Library	Public libraries	15 Library Lane	Markham	L3R 5C4	13,640	Square feet	65	-	318,326.76	kWh	11,746.00	Cubic meter			47,673.45	32.49				
Thornhill Village Library	Public libraries	10 Colborne St	Thornhill	L3T 1Z6	4,283	Square feet	44	-	39,350.58	kWh	205.00	Cubic meter			3,535.62	9.70				
McKay House	Art galleries	197 MAIN ST	Markham	L3R 9W3	3,116	Square feet	39	-	17,546.42	kWh	4,199.00	Cubic meter			9,342.46	19.95				
Varley Art Gallery	Art galleries	216 Main st	Unionville	L3R 2H1	25,000	Square feet	41	-	526,657.12	kWh	62,084.00	Cubic meter			159,510.26	47.46				
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	7,997.86	kWh	-	Cubic meter			639.83	19.99	1,565.73			
HAGERMAN DIAMOND STORM WATER PUMP STATION	Facilities related to the pumping of water	4228 14th Ave Pump Stn	Markham	L3R 0J3	1,000	Square feet	34	74.52	119,031.13	kWh	-	Cubic meter			9,522.49	119.03	1,597.39			
Carlton Sewage Lift Station	Facilities related to the pumping of sewage	216 CARLTON ST	Markham	L3R 3M5	1,000	Square feet	37	19.98	28,660.81	kWh	-	Cubic meter			2,292.86	28.66	1,434.81			
(Milliken) HAGERMAN DIAMOND SEWAGE PUMP STATION	Facilities related to the pumping of sewage	14TH AVE MILLIKEN MILLS PARK PUMP STAT	Markham	L3R 0J2	538	Square feet	48	18.99	27,932.37	kWh	-	Cubic meter			2,234.59	51.92	1,470.71			
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	77,881.56	kWh	10,580.00	Cubic meter			26,233.36	380.65	4,588.83			
(Kennedy) Milliken Mills Sewage Lift Station	Facilities related to the pumping of sewage	7522 KENNEDY ROAD	Markham	L3R 9S5	538	Square feet	6	1.86	1,766.51	kWh	-	Cubic meter			141.32	3.28	951.63			
Rougecrest Sewage Lift Station	Facilities related to the pumping of sewage	26 Rougecrest Rd	Markham	L3P 3C1	500	Square feet	2	0.47	327.22	kWh	-	Cubic meter			26.18	0.65	698.15			
Markham Village BIA	Administrative offices and related facilities, including municipal council chambers	132 ROBINSON ST	Markham	L3P 5H5	630	Square feet	65	-	10,772.75	kWh	1,989.00	Cubic meter			4,622.28	50.65				
Community & Fire Services Administration	Administrative offices and related facilities, including municipal council chambers	8100 WARDEN AVE	Markham	L3R 8H7	34,028	Square feet	65	-	489,443.23	kWh	3,545.00	Cubic meter	785.60	Giga Joule - st	50.12	292.50	Giga Joule - c	5.26	86,770.72	22.63
Community & Fire Services Administration	Storage facilities where equipment or vehicles are maintained, repaired or stored	8100 WARDEN AVE	Markham	L3R 8H7	25,694	Square feet	65	-	369,570.77	kWh	1,687.00	Cubic meter	593.20	Giga Joule - st	50.12	220.86	Giga Joule - c	5.26	63,647.89	22.22
Buttonville Women's Institute Community Centre	Community centres	8931 Woodbine Avenue	Unionville	L3R 0J9	5,360	Square feet	126	-	29,002.63	kWh	6,277.00	Cubic meter			14,187.68	17.86				
Old Unionville Library Community Centre	Community centres	221 Main Street	Unionville	L3P 1Y6	3,369	Square feet	126	-	19,983.48	kWh	5,753.00	Cubic meter			12,475.46	24.08				
Unionville Train Station Community Centre	Community centres	7 STATION LANE	Markham	L3R 1R4	1,985	Square feet	126	-	4,762.85	kWh	3,623.00	Cubic meter			7,230.77	21.80				
Warden House	Community centres	8840 Warden Avenue	Markham	L3R 0K3	5,296	Square feet	56	-	80,567.69	kWh	-	Cubic meter			6,445.41	15.21				
Markham Seniors Activity Centre	Indoor recreational facilities	22 Water Street, Markham	Markham	L3P 7P9	10,106	Square feet	49	-	137,679.33	kWh	6,510.04	Cubic meter			23,322.40	20.47				
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	-	54,943.67	kWh	2,597.96	Cubic meter			9,307.27	20.47				
Milliken Mills Soccer Dome & Clubhouse	Gyms and indoor courts for playing tennis, basketball or other sports	7700 Kennedy Rd	Markham	L3R 9S5	33,382	Square feet	30	-	319,816.68	kWh	67,649.00	Cubic meter			153,484.36	31.12				
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	70,300.00	Cubic meter			132,911.08	25.46				
Markham Civic Centre	Administrative offices and related facilities, including municipal council chambers	101 Town Centre Blvd	Markham	L3R 9W3	155,917	Square feet	65	-	2,429,620.90	kWh	-	Cubic meter	4,732.42	Giga Joule - st	50.12	2,749.97	Giga Joule - c	5.26	446,023.18	25.50
Markham Civic Centre	Parking garages	101 Town Centre Blvd	Markham	L3R 9W3	16,598	Square feet	65	-	258,643.05	kWh	-	Cubic meter	503.78	Giga Joule - st	50.12	292.75	Giga Joule - c	5.26	47,480.99	25.50
Centennial Community Centre	Indoor ice rinks	8600 McCowan Rd	Markham	L3P 3M2	67,578	Square feet	126	-	1,448,447.71	kWh	43,567.00	Cubic meter			198,244.76	28.29				
Centennial Community Centre	Community centres	8600 McCowan Rd	Markham	L3P 3M2	48,525	Square feet	126	-	1,040,071.10	kWh	215,557.49	Cubic meter			490,744.50	68.64				
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	-	178,007.02	kWh	36,892.43	Cubic meter			83,990.38	68.64				
Centennial Community Centre	Indoor swimming pools	8600 McCowan Rd	Markham	L3P 3M4	17,592	Square feet	126	-	377,061.94	kWh	78,147.09	Cubic meter			177,911.95	68.64				
Thornhill Community Centre	Community centres	7755 Bayview Ave	Markham	L3T 4P1	50,819	Square feet	126	-	1,015,275.61	kWh	119,886.28	Cubic meter			307,882.29	45.05				
Thornhill Community Centre	Indoor ice rinks	7755 Bayview Ave	Markham	L3T 4P1	92,267	Square feet	126	-	1,843,334.87	kWh	217,665.59	Cubic meter			558,991.23	45.05				
Thornhill Community Centre	Public libraries	7755 Bayview Ave	Markham	L3T 4P1	25,053	Square feet	45	-	500,515.55	kWh	59,307.13	Cubic meter			152,168.90	45.14				
Crosby Community Centre/Arena	Community centres	210 Main St	Unionville	L3R 2G9	5,658	Square feet	126	-	134,451.96	kWh	7,903.68	Cubic meter			25,699.06	38.61				
Crosby Community Centre/Arena	Indoor ice rinks	210 Main St	Unionville	L3R 2G9	28,635	Square feet	126	-	680,458.11	kWh	40,000.32	Cubic meter			130,062.34	38.61				
Milliken Mills Community Centre	Community centres	7600 Kennedy Rd	Markham	L3R 9S5	36,410	Square feet	126	-	724,779.17	kWh	151,156.81	Cubic meter			343,763.47	64.03				
Milliken Mills Community Centre	Indoor swimming pools	7600 Kennedy Rd	Markham	L3R 9S6	18,388	Square feet	126	-	366,032.39	kWh	76,338.13	Cubic meter			173,609.52	64.03				
Milliken Mills Community Centre	Public libraries	7600 Kennedy Rd	Markham	L3R 9S7	16,434	Square feet	43	-	327,135.98	kWh	68,226.06	Cubic meter			155,160.91	64.03				
Milliken Mills Community Centre	Indoor ice rinks	7600 Kennedy Rd	Markham	L3R 9S5	32,206	Square feet	126	-	641,094.15	kWh	27,444.00	Cubic meter			103,173.90	28.96				
Armada Community Centre	Community centres	2401 Denison St	Markham	L3S 1G3	12,699	Square feet	126	-	211,183.49	kWh	25,065.39	Cubic meter			64,283.98	37.61				
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	-	180,567.79	kWh	21,431.61	Cubic meter			54,964.60	37.61				
Angus Glen Tennis Centre	Gyms and indoor courts for playing tennis, basketball or other sports	3970 Major Mackenzie Dr E	Markham	L6P 1P8	35,000	Square feet	126	-	864,221.65	kWh	22,187.00	Cubic meter			111,085.07	31.43				
Pingle House	Community centres	4022 Major Mackenzie Drive	Markham	L6P 1P8	4,400	Square feet	126	-	108,645.01	kWh	4,174.00	Cubic meter			16,583.08	34.77				
Angus Glen Community Centre/Arena	Community centres	3990 Major Mackenzie Dr E	Markham	L6P 1P8	43,596	Square feet	126	-	1,076,474.49	kWh	131,168.90	Cubic meter			334,109.43	56.67				
Angus Glen Community Centre/Arena	Public libraries	3990 Major Mackenzie Dr E	Markham	L6P 1P8	34,910	Square feet	42	-	861,999.37	kWh	105,035.01	Cubic meter			267,541.98	56.67				
Angus Glen Community Centre/Arena	Indoor ice rinks	3990 Major Mackenzie Dr E	Markham	L6P 1P8	74,584	Square feet	45	-	1,841,631.65	kWh	224,403.65	Cubic meter			571,594.13	56.67				
Angus Glen Community Centre/Arena	Indoor swimming pools	3990 Major Mackenzie Dr E	Markham	L6P 1P8	18,633	Square feet	126	-	460,086.92	kWh	56,061.80	Cubic meter			142,798.90	56.67				
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	-	179,856.87	kWh	21,915.64	Cubic meter			55,822.85	56.67				
Markham Village Community Centre/Arena	Community centres	6041 Highway 7	Markham	L3P 3A7	10,120	Square feet	126	-	202,963.65	kWh	7,805.26	Cubic meter			30,993.94	28.25				
Markham Village Community Centre/Arena	Indoor ice rinks	6041 Highway 7	Markham	L3P 3A7	33,084	Square feet	126	-	663,522.67	kWh	25,516.74	Cubic meter			101,324.44	28.25				
Mount Joy Community Centre/Arena	Community centres	6140 16th Ave	Markham	L3P 3K8	28,473	Square feet	126	-	504,996.85	kWh	19,276.79	Cubic meter			76,844.96	24.93				
Mount Joy Community Centre/Arena	Indoor ice rinks	6140 16th Ave	Markham	L3P 3K8	32,571	Square feet	126	-	577,678.94	kWh	22,051.21	Cubic meter			87,904.94	24.93				
Rouge River Community Centre	Community centres	120 Rouge Bank Dr	Markham	L3S 4B7	15,569	Square feet	126	-	191,411.44	kWh	35,312.07	Cubic meter			82,074.88	36.40				
Rouge River Community Centre	Auditoriums	120 Rouge Bank Dr	Markham	L3S 4B7	4,733	Square feet	126	-	58,189.37	kWh	10,734.93	Cubic meter			24,950.89	36.40				
R.J. Clatworthy Arena	Indoor ice rinks	2400 John St	Markham	L3T 6G6	33,284	Square feet	126	-	582,586.78	kWh	31,445.00	Cubic meter			106,057.71	27.54				
Princess Street Parks Shop	Storage facilities where equipment or vehicles are maintained, repaired or stored	6 Princess Street, Markham	Markham	L																