

**City of Markham Ontario Regulation 397/11 Energy Consumption and Greenhouse Gas Emissions Report for 2013**

Confirm consecutive 12-mth period (mth-yr to mth-yr)		Jan/2013 - Dec/2013																			
Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area	Unit	Avg hrs/wk	Annual Flow (Mega Litres)	Energy Type and Amount Purchased and Consumed in Natural Units										Total (calculated in webform)		
									Electricity		Natural Gas		District Heating		District Cooling		If Yes, enter Emission Factor	GHG Emissions (kg)	Energy Intensity (kWh/sq ft)	Energy Intensity (kWh/M)	
Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity					Unit
(Kennedy) Milliken Mills Sewage Lift Station	Facilities related to the pumping of sewage	7522 KENNEDY ROAD	Markham	L3R 9S5	538	Square feet	6	89.10	4,796.45	kWh	-	Cubic Meter	-	-	-	-	-	8.32	6.30	53.72	
(Milliken) HAGERMAN DIAMOND SEWAGE PUMPING STATION	Facilities related to the pumping of sewage	1474 AVE MILLIKEN MILLS PARK PUMP STATION	Markham	L3R 0J2	538	Square feet	27	518.92	24,372.00	kWh	-	Cubic Meter	-	-	-	-	-	1,852.52	45.30	46.97	
Angus Glen Community Centre/Arena	Community centres	3990 Major Mackenzie Dr E	Markham	L6P 1P8	43,596	Square feet	126	-	1,405,835.00	kWh	141,613.60	Cubic Meter	-	-	-	-	-	374,607.36	66.77	-	
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	-	1,125,739.00	kWh	23,661.74	Cubic Meter	-	-	-	-	-	130,302.94	189.07	-	
Angus Glen Community Centre/Arena	Indoor ice rinks	3990 Major Mackenzie Dr E	Markham	L6P 1P8	74,584	Square feet	45	-	2,405,102.00	kWh	242,282.69	Cubic Meter	-	-	-	-	-	640,878.00	66.77	-	
Angus Glen Community Centre/Arena	Indoor swimming pools	3990 Major Mackenzie Dr E	Markham	L6P 1P8	18,633	Square feet	126	-	600,856.00	kWh	60,528.44	Cubic Meter	-	-	-	-	-	160,107.77	66.77	-	
Angus Glen Community Centre/Arena	Public libraries	3990 Major Mackenzie Dr E	Markham	L6P 1P8	34,910	Square feet	42	-	234,886.00	kWh	113,403.53	Cubic Meter	-	-	-	-	-	232,257.46	41.25	-	
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	-	2,215,000.00	kWh	22,116.00	Cubic Meter	-	-	-	-	-	41,833.11	67.2	-	
Armada Community Centre	Community centres	2401 Denison St	Markham	L3S 1G3	12,699	Square feet	126	-	151,948.00	kWh	23,835.76	Cubic Meter	-	-	-	-	-	56,614.10	31.91	-	
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	-	129,919.00	kWh	20,380.24	Cubic Meter	-	-	-	-	-	48,406.58	31.91	-	
Buttonville Women's Institute Community Hall	Community centres	8931 Woodbine Avenue	Unionville	L3R 0J9	5,360	Square feet	126	-	21,351.63	kWh	6,906.00	Cubic Meter	-	-	-	-	-	14,679.61	17.68	-	
Cachet Woods Sewage Lift Station	Facilities related to the pumping of sewage	(350) 400 Calvert Road	Unionville	L6C 1Y2	500	Square feet	29	2,004.50	90,960.00	kWh	12,306.00	Cubic Meter	-	-	-	-	-	30,179.93	443.49	110.62	
Carlton Sewage Lift Station	Facilities related to the pumping of sewage	216 CARLTON ST	Markham	L3R 3M5	1,000	Square feet	21	549.76	41,997.45	kWh	107,808.20	Cubic Meter	-	-	-	-	-	3,192.23	42.00	76.39	
Centennial Community Centre	Community centres	8600 McCowan Rd	Markham	L3P 3M2	48,525	Square feet	126	-	1,108,122.71	kWh	107,808.20	Cubic Meter	-	-	-	-	-	288,053.50	46.45	-	
Centennial Community Centre	Gyms and indoor courts for playing tennis, basketball or other sports	8600 McCowan Rd	Markham	L3P 3M2	8,305	Square feet	107	-	189,653.97	kWh	18,451.25	Cubic Meter	-	-	-	-	-	49,300.04	46.45	-	
Centennial Community Centre	Indoor ice rinks	8600 McCowan Rd	Markham	L3P 3M2	67,578	Square feet	126	-	1,543,219.30	kWh	150,138.33	Cubic Meter	-	-	-	-	-	401,155.68	46.45	-	
Centennial Community Centre	Indoor swimming pools	8600 McCowan Rd	Markham	L3P 3M2	17,592	Square feet	126	-	401,733.00	kWh	39,084.22	Cubic Meter	-	-	-	-	-	104,429.41	46.45	-	
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	-	316,212.00	kWh	18,527.32	Cubic Meter	862.52	Giga Joule	46.84	302.55	Giga Joule	5.20	101,037.36	22.87	-
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	-	238,766.80	kWh	13,989.68	Cubic Meter	651.28	Giga Joule	46.84	228.45	Giga Joule	5.20	76,291.70	22.87	-
Cornell Community Centre	Gyms and indoor courts for playing tennis, basketball or other sports	3201 Bur Oak Avenue	Markham	L6B 0T2	84,964	Square feet	55	-	2,572,151.49	kWh	25,717.49	Cubic Meter	7,836.40	Giga Joule	46.84	4,815.26	Giga Joule	5.20	587,605.59	60.66	-
Cornell Community Centre	Indoor swimming pools	3201 Bur Oak Avenue	Markham	L6B 0T2	19,037	Square feet	55	-	576,303.49	kWh	-	Cubic Meter	-	-	-	-	-	131,655.99	60.66	-	
Cornell Community Centre	Public libraries	3201 Bur Oak Avenue	Markham	L6B 0T2	25,000	Square feet	55	-	756,840.14	kWh	-	Cubic Meter	-	-	-	-	-	172,899.42	60.66	-	
Crosby Community Centre/Arena	Community centres	210 Main St	Unionville	L3R 2G9	5,658	Square feet	126	-	142,155.00	kWh	8,212.00	Cubic Meter	-	-	-	-	-	26,331.03	40.55	-	
Crosby Community Centre/Arena	Indoor ice rinks	210 Main St	Unionville	L3R 2G9	28,635	Square feet	126	-	719,445.00	kWh	41,558.00	Cubic Meter	-	-	-	-	-	133,259.69	40.55	-	
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	1	108.60	43,781.00	kWh	-	Cubic Meter	-	-	-	-	-	3,327.79	109.45	403.14	
Fire Station #91	Fire stations and associated offices and facilities	7801 Bayview Avenue	Thornhill	L3T 7H1	8,348	Square feet	168	-	89,920.00	kWh	22,666.00	Cubic Meter	-	-	-	-	-	49,691.55	39.63	-	
Fire Station #92	Fire stations and associated offices and facilities	10 Riviera Dr	Markham	L3R 5M1	15,408	Square feet	168	-	260,480.00	kWh	46,322.00	Cubic Meter	-	-	-	-	-	107,376.71	48.86	-	
Fire Station #93	Fire stations and associated offices and facilities	2930 MAJOR MACKENZIE DR E	Markham	L6C 0I1	10,834	Square feet	168	-	163,006.00	kWh	2,456.00	Cubic Meter	-	-	-	-	-	17,033.47	17.46	-	
Fire Station #94	Fire stations and associated offices and facilities	7300 Birchmount	Markham	L3R 3T1	7,142	Square feet	168	-	82,272.24	kWh	25,310.00	Cubic Meter	-	-	-	-	-	54,105.28	49.18	-	
Fire Station #95	Fire stations and associated offices and facilities	316 Main Street	Unionville	L3R 2H2	11,846	Square feet	168	-	149,427.76	kWh	40,589.00	Cubic Meter	-	-	-	-	-	88,096.66	49.03	-	
Fire Station #96	Fire stations and associated offices and facilities	5567 14th Avenue, Milliken	Markham	L3S 3K5	8,933	Square feet	168	-	76,941.60	kWh	15,005.00	Cubic Meter	-	-	-	-	-	34,217.19	26.46	-	
Fire Station #97	Fire stations and associated offices and facilities	209 Main Street, Markham	Markham	L3P 1Y4	7,669	Square feet	168	-	54,934.23	kWh	14,963.00	Cubic Meter	-	-	-	-	-	32,461.22	27.90	-	
Fire Station #98	Fire stations and associated offices and facilities	650 Bur Oak Avenue, Markham	Markham	L6E 1C3	9,400	Square feet	168	-	134,700.00	kWh	39,455.00	Cubic Meter	-	-	-	-	-	73,491.36	52.16	-	
Fire Station #99	Fire stations and associated offices and facilities	3255 Bur Oak Avenue, Markham	Markham	L6B 1E3	10,834	Square feet	168	-	74,460.00	kWh	69.00	Cubic Meter	795.60	Giga Joule	46.84	278.00	Giga Joule	5.20	45,690.87	30.12	-
Fleet Maintenance Works Yard- Main Building	Administrative offices and related facilities, including municipal council chambers	555 Miller Avenue, Markham	Markham	L6G 1B2	2,967	Square feet	65	-	44,900.76	kWh	6,977.42	Cubic Meter	-	-	-	-	-	16,604.61	40.13	-	
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	-	454,531.24	kWh	70,632.58	Cubic Meter	-	-	-	-	-	168,088.78	40.13	-	
HAGERMAN DIAMOND STORM WATER PUMPING STATION	Facilities related to the pumping of water	4228 14th Ave Pump Str	Markham	L3R 0J3	1,000	Square feet	34	2,321.67	129,235.00	kWh	-	Cubic Meter	-	-	-	-	-	9,823.15	129.24	55.66	
John Street Fire Training Centre	Fire stations and associated offices and facilities	438 John Street	Thornhill	L3T 121	5,531	Square feet	168	-	26,704.30	kWh	13,238.00	Cubic Meter	-	-	-	-	-	27,057.91	30.26	-	
Markham Civic Centre	Administrative offices and related facilities, including municipal council chambers	101 Town Centre Blvd	Markham	L3R 9W3	155,917	Square feet	65	-	2,188,551.75	kWh	-	Cubic Meter	5,036.24	Giga Joule	46.84	3,049.96	Giga Joule	5.20	417,640.53	24.64	-
Markham Civic Centre	Parking garages	101 Town Centre Blvd	Markham	L3R 9W3	16,598	Square feet	65	-	232,980.25	kWh	-	Cubic Meter	-	-	-	-	-	44,459.54	20.38	-	
Markham Museum- Baptist Church	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	4,743	Square feet	40	-	47,769.64	kWh	4,600.45	Cubic Meter	-	-	-	-	-	12,328.71	20.38	-	
Markham Museum- Burkholder House	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	3,490	Square feet	40	-	35,149.91	kWh	3,385.11	Cubic Meter	-	-	-	-	-	9,071.72	20.38	-	
Markham Museum- Chapman House	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	2,341	Square feet	40	-	23,577.63	kWh	2,270.64	Cubic Meter	-	-	-	-	-	6,085.07	20.38	-	
Markham Museum- Education Building	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	1,167	Square feet	40	-	11,753.57	kWh	1,131.93	Cubic Meter	-	-	-	-	-	3,033.44	20.38	-	
Markham Museum- Mr. Joy School	Administrative offices and related facilities, including municipal council chambers	9350 HIGHWAY 48	Markham	L3P 3J3	7,842	Square feet	40	-	78,981.65	kWh	7,608.00	Cubic Meter	-	-	-	-	-	20,384.08	26.72	-	
Markham Museum- Print Shop	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	1,120	Square feet	40	-	11,280.20	kWh	1,086.34	Cubic Meter	-	-	-	-	-	2,911.27	20.38	-	
Markham Museum- Reception/Collection Centre	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	27,086	Square feet	40	-	272,799.58	kWh	26,271.93	Cubic Meter	-	-	-	-	-	70,405.92	20.38	-	
Markham Museum- Strickler House	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	2,920	Square feet	40	-	29,409.10	kWh	2,832.24	Cubic Meter	-	-	-	-	-	7,590.09	20.38	-	
Markham Museum- Ward Building (transportation)	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	11,277	Square feet	40	-	113,577.53	kWh	10,938.07	Cubic Meter	-	-	-	-	-	29,312.84	20.38	-	
Markham Museum- Ward Building (transportation)	Storage facilities where equipment or vehicles are maintained, repaired or stored	9350 HIGHWAY 48	Markham	L3P 3J3	1,829	Square feet	40	-	18,420.97	kWh	1,774.03	Cubic Meter	-	-	-	-	-	4,754.21	20.38	-	
Markham Museum- Wilson Variety Hall	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	4,194	Square feet	40	-	42,240.32	kWh	4,067.95	Cubic Meter	-	-	-	-	-	10,901.66	20.38	-	
Markham Seniors Activity Centre	Gyms and indoor courts for playing tennis, basketball or other sports	22 Water Street, Markham	Markham	L3P 799	4,033	Square feet	49	-	184,394.67	kWh	6,610.00	Cubic Meter	-	-	-	-	-	26,512.88	63.14	-	
Markham Seniors Activity Centre	Indoor recreational facilities	22 Water Street, Markham	Markham	L3P 799	10,106	Square feet	49	-	15,366.22	kWh	2,697.00	Cubic Meter	-	-	-	-	-	6,267.01	4.36	-	
Markham Village BIA	Administrative offices and related facilities, including municipal council chambers	132 ROBINSON ST	Markham	L3P 5H5	630	Square feet	65	-	6,296.10	kWh	2,522.00	Cubic Meter	-	-	-	-	-	5,246.73	5.24	-	
Markham Village Community Centre/Arena	Community centres	6041 Highway 7	Markham	L3P 3A7	10,120	Square feet	126	-	170,506.21	kWh	9,039.23	Cubic Meter	-	-	-	-	-	30,049.99	26.34	-	
Markham Village Community Centre/Arena	Indoor ice rinks	6041 Highway 7	Markham	L3P 3A7	33,084	Square feet	126	-	557,413.79	kWh	29,550.77	Cubic Meter	-	-	-	-	-	98,238.51	26.34	-	
Markham Village Library</																					