

City of Markham Ontario Regulation 397/11 Energy Consumption and Greenhouse Gas Emissions Report for 2014

Confirm consecutive 12-month period (mth-yr to mth-yr)	Jan/2014 - Dec/2014	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/Res #/Litre)							
											Quantity	Unit	Quantity	Unit	Quantity	Unit	Renewable?	Quantity	Unit					Renewable?						
(Kennedy) Milliken Mills Sewage Lift Station	Facilities related to the pumping of sewage	7522 Kennedy Road	Markham	L3R 9S5	538.00	Square feet	12	95		2,284.00	kWh	0.00	Cubic Meter							91.39	-	24.04								
(Milliken) HAGERMAN DIAMOND SEWAGE PUMPING STATION	Facilities related to the pumping of sewage	14TH AVE MILLIKEN MILLS PARK PUMP ST	Markham	L3R 0J2	538.00	Square feet	48	530		27,432.00	kWh	0.00	Cubic Meter							1,097.58	-	51.76								
Angus Glen Community Centre/Arena	Community centres	3990 Major Mackenzie Dr E	Markham	L6P 1P8	43,596.00	Square feet	126	-		1,366,735.95	kWh	125,184.00	Cubic Meter							291,360.72	61.87	-								
Angus Glen Community Centre/Arena	Gyms and indoor courts for playing tennis, basketball or other sports	3990 Major Mackenzie Dr E	Markham	L6P 1P8	7,284.00	Square feet	126	-		1,094,229.56	kWh	106,243.00	Cubic Meter							233,311.34	296.51	-								
Angus Glen Community Centre/Arena	Indoor ice rinks	3990 Major Mackenzie Dr E	Markham	L6P 1P8	74,584.00	Square feet	45	-		2,138,210.71	kWh	214,165.00	Cubic Meter							498,460.28	61.87	-								
Angus Glen Community Centre/Arena	Indoor swimming pools	3990 Major Mackenzie Dr E	Markham	L6P 1P8	18,633.00	Square feet	126	-		584,145.71	kWh	53,504.00	Cubic Meter							124,528.36	61.87	-								
Angus Glen Community Centre/Arena	Public libraries	3990 Major Mackenzie Dr E	Markham	L6P 1P8	34,910.00	Square feet	42	-		228,353.63	kWh	20,916.00	Cubic Meter							48,861.01	12.91	-								
Angus Glen Tennis Centre	Gyms and indoor courts for playing tennis, basketball or other sports	3970 Major Mackenzie Dr E	Markham	L6P 1P8	35,000.00	Square feet	126	-		0.00	kWh	24,518.00	Cubic Meter							46,354.39	7.44	-								
Armadale Community Centre	Community centres	2401 Denison St	Markham	L3S 1G3	12,699.00	Square feet	126	-		232,216.00	kWh	25,341.00	Cubic Meter							61,483.18	36.38	-								
Armadale Community Centre	Gyms and indoor courts for playing tennis, basketball or other sports	2401 Denison St	Markham	L3S 1G3	10,858.00	Square feet	126	-		128,439.00	kWh	25,059.00	Cubic Meter							52,591.82	36.40	-								
Buttonville Women's Institute Community Hall	Community centres	8931 Woodbine Avenue	Unionville	L3R 0J9	5,360.00	Square feet	126	-		22,884.00	kWh	7,810.00	Cubic Meter							15,681.41	19.76	-								
Cachet Woods Sewage Lift Station	Facilities related to the pumping of sewage	(350) 400 Calvert Road	Unionville	L6C 1Y2	500.00	Square feet	29	1,900		64,080.00	kWh	11,311.00	Cubic Meter							23,948.79	-	97.00								
Carlton Sewage Lift Station	Facilities related to the pumping of sewage	216 CARLTON ST	Markham	L3R 3M5	1,000.00	Square feet	21	959		26,152.02	kWh	0.00	Cubic Meter							1,046.37	26.15	27.28								
Centennial Community Centre	Community centres	8600 McCowan Rd	Markham	L3P 3M2	48,525.00	Square feet	126	-		1,457,383.93	kWh	178,260.00	Cubic Meter							395,734.67	69.28	-								
Centennial Community Centre	Gyms and indoor courts for playing tennis, basketball or other sports	8600 McCowan Rd	Markham	L3P 3M2	8,305.00	Square feet	107	-		1,053,668.43	kWh	128,000.00	Cubic Meter							284,160.47	200.67	-								
Centennial Community Centre	Indoor ice rinks	8600 McCowan Rd	Markham	L3P 3M2	67,578.00	Square feet	126	-		180,334.19	kWh	21,907.00	Cubic Meter							48,633.32	6.11	-								
Centennial Community Centre	Indoor swimming pools	8600 McCowan Rd	Markham	L3P 3M2	17,592.00	Square feet	126	-		381,991.45	kWh	46,405.00	Cubic Meter							103,018.41	49.75	-								
Community & Fire Services Administration Building	Administrative offices and related facilities, including municipal council chambers	8100 WARDEN AVE	Markham	L3R 8H7	34,028.00	Square feet	65	-		348,428.33	kWh	14,885.90	Cubic Meter	970.42	Giga Joule	No	42.60	296.81	Giga Joule	No	5.16	100,628.22	23.54	-						
Community & Fire Services Administration Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	210 MAIN ST	Markham	L3R 2G9	25,694.00	Square feet	65	-		203,027.67	kWh	11,240.10	Cubic Meter	732.74	Giga Joule	No	42.60	224.11	Giga Joule	No	5.16	75,982.75	23.54	-						
Crosby Community Centre/Arena	Indoor ice rinks	210 Main St	Unionville	L3R 2G9	5,658.00	Square feet	126	-		17,713.10	kWh	11,243.00	Cubic Meter							568,902.04	60.18	-								
Crosby Community Centre/Arena	Indoor ice rinks	210 Main St	Unionville	L3R 2G9	28,635.00	Square feet	126	-		67,748.89	kWh	56,901.00	Cubic Meter							127,465.37	60.18	-								
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	400.00	Square feet	1	240		31,394.00	kWh	0.00	Cubic Meter							167,396.01	60.18	-								
Fire Station #91	Fire stations and associated offices and facilities	7801 Bayview Avenue	Thornhill	L3T 7N1	8,348.00	Square feet	168	-		92,400.00	kWh	29,288.00	Cubic Meter							26,567.02	44.58	-								
Fire Station #92	Fire stations and associated offices and facilities	10 Riverdale	Markham	L3R 3M5	15,488.00	Square feet	168	-		32,720.00	kWh	43,742.00	Cubic Meter							181,455.20	44.58	-								
Fire Station #93	Fire stations and associated offices and facilities	2930 MAJOR MACKENZIE DR E	Markham	L6C 0J1	10,834.00	Square feet	168	-		183,050.00	kWh	2,254.00	Cubic Meter							1,256.11	78.49	131.08								
Fire Station #94	Fire stations and associated offices and facilities	7300 Birchmount	Markham	L3R 3T1	7,142.00	Square feet	168	-		80,480.00	kWh	29,001.00	Cubic Meter							59,069.70	48.35	-								
Fire Station #95	Fire stations and associated offices and facilities	316 Main Street	Unionville	L3R 2H2	11,846.00	Square feet	168	-		150,993.00	kWh	45,439.00	Cubic Meter							92,011.17	45.28	-								
Fire Station #96	Fire stations and associated offices and facilities	5567 14th Avenue, Milliken	Markham	L3S 3K5	8,933.00	Square feet	168	-		82,038.00	kWh	29,264.00	Cubic Meter							10,785.27	17.26	-								
Fire Station #97	Fire stations and associated offices and facilities	209 Main Street, Markham	Markham	L3P 3T4	7,653.00	Square feet	168	-		50,828.00	kWh	21,123.00	Cubic Meter							58,055.16	54.42	-								
Fire Station #98	Fire stations and associated offices and facilities	650 Bur Oak Avenue, Markham	Markham	L6E 1C3	9,400.00	Square feet	168	-		128,916.00	kWh	35,762.00	Cubic Meter							91,945.58	53.51	-								
Fire Station #99	Fire stations and associated offices and facilities	3255 Bur Oak Avenue, Markham	Markham	L6B 1E3	10,834.00	Square feet	168	-		86,880.00	kWh	312.00	Cubic Meter	860.40	Giga Joule	No	42.60	41,969.30	Giga Joule	No	5.16	58,609.73	44.00	-						
Fleet Maintenance Works Yard- Main Building	Administrative offices and related facilities, including municipal council chambers	555 Miller Avenue, Markham	Markham	L6G 1B2	2,967.00	Square feet	65	-		41,797.28	kWh	0.00	Cubic Meter							8,360.39	35.00	-								
Fleet Maintenance Works Yard- Main Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	555 Miller Avenue, Markham	Markham	L6G 1B2	30,035.00	Square feet	65	-		423,114.72	kWh	0.00	Cubic Meter							10,785.27	54.15	-								
HAGERMAN DIAMOND STORM WATER PUMPING STATION	Facilities related to the pumping of water	4228 14th Ave Pump Stn	Markham	L3R 0J3	1,200.00	Square feet	16	2,158		397,023.00	kWh	0.00	Cubic Meter							55,860.90	32.17	-								
John Street Fire Training Centre	Fire stations and associated offices and facilities	438 John Street	Thornhill	L3T 121	5,531.00	Square feet	168	-		52,989.00	kWh	18,098.00	Cubic Meter							1,672.35	14.09	-								
Markham Civic Centre	Administrative offices and related facilities, including municipal council chambers	101 Town Centre Blvd	Markham	L3R 9W3	155,917.00	Square feet	65	-		2,147,787.29	kWh	0.00	Cubic Meter							4,991.71	Giga Joule	No	42.60	2,748.02	Giga Joule	No	5.16	16,929.24	14.09	-
Markham Civic Centre	Parking garages	101 Town Centre Blvd	Markham	L3R 9W3	16,598.00	Square feet	65	-		228,241.71	kWh	0.00	Cubic Meter	531.39	Giga Joule	No	42.60	292.54	Giga Joule	No	5.16	3,881.99	-	44.96						
Markham Museum- Baptist Church	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	4,743.00	Square feet	40	-		50,916.34	kWh	6,417.62	Cubic Meter							36,336.71	44.36	-								
Markham Museum- Burholder House	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	3,480.00	Square feet	40	-		37,465.32	kWh	4,722.22	Cubic Meter							391,190.20	24.15	-								
Markham Museum- Chapman House	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	2,341.00	Square feet	40	-		25,130.75	kWh	3,167.54	Cubic Meter							41,643.79	24.15	-								
Markham Museum- Education Building	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	1,167.00	Square feet	40	-		12,527.80	kWh	1,579.03	Cubic Meter							14,170.54	25.12	-								
Markham Museum- Mt. Joy School	Administrative offices and related facilities, including municipal council chambers	9350 HIGHWAY 48	Markham	L3P 3J3	7,842.00	Square feet	40	-		84,184.26	kWh	10,610.78	Cubic Meter							10,426.98	25.12	-								
Markham Museum- Print Shop	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	1,120.00	Square feet	40	-		12,023.26	kWh	1,515.00	Cubic Meter							6,994.14	25.12	-								
Markham Museum- Reception Collection Centre	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	27,886.00	Square feet	40	-		290,769.56	kWh	35,549.28	Cubic Meter							3,486.54	25.12	-								
Markham Museum- Strickler House	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	2,520.00	Square feet	40	-		31,346.35	kWh	3,950.97	Cubic Meter							23,429.32	25.12	-								
Markham Museum- Ward Building (transportation)	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	11,277.00	Square feet	40	-		121,059.00	kWh	15,258.59	Cubic Meter							3,345.36	25.11	-								
Markham Museum- Ward Building (transportation)	Storage facilities where equipment or vehicles are maintained, repaired or stored	9350 HIGHWAY 48	Markham	L3P 3J3	1,829.00	Square feet	40	-		19,634.41	kWh	2,474.77	Cubic Meter							80,924.10	25.11	-								
Markham Museum- Wilson Variety Hall	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	4,194.00	Square feet	40	-		45,022.80	kWh	5,674.78	Cubic Meter							8,724.01	25.12	-								
Markham Seniors Activity Centre	Gyms and indoor courts for playing tennis, basketball or other sports	22 Water Street, Markham	Markham	L3P 7P9	4,033.00	Square feet	49	-		184,394.67	kWh	37,065.53	Cubic Meter							33,691.99	25.12	-								
Markham Seniors Activity Centre	Indoor recreational facilities	22 Water Street, Markham	Markham	L3P 7P9	10,106.00	Square feet	49	-		15,366.22	kWh	92,729.47	Cubic Meter							5,464.46	25.12	-								
Markham Village BIA	Administrative offices and related facilities, including municipal council chambers	132 ROBINSON ST	Markham	L3P 5H5	630.00	Square feet	65	-		11,074.00	kWh	3,564.00	Cubic Meter							12,530.30	25.12	-								
Markham Village Community Centre/Arena	Community centres	6041 Highway 7	Markham	L3P 3A7	10,120.00	Square feet	126	-		12,987.30	kWh	15,903.05	Cubic Meter							77,341.48	143.24	-								
Markham Village Community Centre/Arena	Indoor ice rinks	6041 Highway 7	Markham	L3P 3A7	33,084.00	Square feet	126	-		575,056.95	kWh	42,457.70	Cubic Meter							175,931.65	99.04	-								
Markham Village Library	Public libraries	6031 Highway 7	Markham	L3P 3A7	15,651.00	Square feet	67	-		696,080.00	kWh	55,601.00	Cubic Meter							7,181.28	77.70									