

City of Markham Ontario Regulation 507/18 Energy Consumption and Greenhouse Gas Emissions Report for 2017

Reporting Period		Jan/2017 - Dec/2017														Total (calculated in webform)	
Operation Name	Operation Type	Address	Total Floor Area	Unit	Avg hrs/wk	Energy Type and Amount Purchased and Consumed in Natural Units									GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	
						Electricity		Natural Gas		District Heating		District Cooling					
						Quantity	Unit	Quantity	Unit	Quantity	Unit	Emission Factor	Quantity	Unit			Emission Factor
Angus Glen Community Centre/Arena	Community centres	3990 Major Mackenzie Dr E	179,007	Square feet	126	5,351,133	KWh	522,234	Cubic Meter							1,079,914	60.90
Angus Glen Tennis Centre	Gyms and indoor courts for playing tennis, basketball or other sports	3970 Major Mackenzie Dr E	35,000	Square feet	126	0		22,479	Cubic Meter							42,499	6.83
Armadaale Community Centre	Community centres	2401 Denison St	23,557	Square feet	126	298,155	KWh	42,304	Cubic Meter						85,139	31.74	
Buttomville Women's Institute Community Hall	Community centres	8931 Woodbine Avenue	5,360	Square feet	126	10,956	KWh	5,026	Cubic Meter						9,692	12.01	
Centennial Community Centre	Community centres	8600 McCowan Rd	142,000	Square feet	126	2,810,657	KWh	292,113	Cubic Meter						600,895	41.66	
Community & Fire Services Administration Building	Administrative offices and related facilities, including municipal council chambers	8100 WARDEN AVE	59,722	Square feet	65	700,194	KWh	17,142	Cubic Meter						117,047	21.84	
Cornell Community Centre	Community centres	3201 Bur Oak Ave	129,000	Square feet	54.5	3,540,480	KWh	0		1,197	Giga Joule	43.05	1,062	Giga Joule	2.95	117,047	21.84
Crosby Community Centre/Arena	Indoor ice rinks	703,400 KWH	34,293	Square feet	126	703,400	KWh	44,158	Cubic Meter	12,230	Giga Joule	50.97	6,271	Giga Joule	2.31	795,592	57.87
Fire Station #91	Fire stations and associated offices and facilities	7801 Bayview Avenue	8,348	Square feet	168	104,920	KWh	23,756	Cubic Meter						95,654	34.20	
Fire Station #92	Fire stations and associated offices and facilities	10 Riviera Dr	15,408	Square feet	168	212,320	KWh	35,971	Cubic Meter						46,729	42.81	
Fire Station #93	Fire stations and associated offices and facilities	2930 MAJOR MACKENZIE DR E	10,834	Square feet	168	141,190	KWh	1,957	Cubic Meter						71,680	38.59	
Fire Station #94	Fire stations and associated offices and facilities	7300 Birchmount	7,142	Square feet	168	76,670	KWh	14,647	Cubic Meter						6,142	14.95	
Fire Station #95	Fire stations and associated offices and facilities	316 Main Street	11,846	Square feet	168	150,693	KWh	27,175	Cubic Meter						29,018	32.53	
Fire Station #96	Fire stations and associated offices and facilities	5567 14th Avenue, Milliken	8,933	Square feet	168	66,138	KWh	17,718	Cubic Meter						53,984	37.10	
Fire Station #97	Fire stations and associated offices and facilities	209 Main Street, Markham	7,669	Square feet	168	58,739	KWh	13,987	Cubic Meter						34,642	28.48	
Fire Station #98	Fire stations and associated offices and facilities	650 Bur Oak Avenue, Markham	9,400	Square feet	168	128,723	KWh	27,637	Cubic Meter						27,460	27.04	
Fire Station #99	Fire stations and associated offices and facilities	3255 Bur Oak Avenue, Markham	10,834	Square feet	168	87,120	KWh	607	Cubic Meter	826	Giga Joule	50.97	331	Giga Joule	54,478	44.94	
Fleet Maintenance Works Yard- Main Building	Administrative offices and related facilities, including municipal council chambers	555 Miller Avenue, Markham	33,002	Square feet	65	421,293	KWh	38,698	Cubic Meter						52,107	32.38	
John Street Fire Training Centre	Fire stations and associated offices and facilities	438 John Street	5,531	Square feet	168	58,093	KWh	14,280	Cubic Meter						80,451	25.23	
Markham Civic Centre	Administrative offices and related facilities, including municipal council chambers	101 Town Centre Blvd	172,515	Square feet	65	1,963,415	KWh	11,409	Cubic Meter	4,737	Giga Joule	43.05	2,293	Giga Joule	28,001	37.93	
Markham Museum	Cultural facilities	9350 HIGHWAY 48	68,009	Square feet	40	681,600	KWh	61,168	Cubic Meter						339,780	20.83	
Markham Seniors Activity Centre	Community centres	22 Water Street, Markham	14,139	Square feet	49	154,320	KWh	13,109	Cubic Meter						127,436	19.58	
Markham Village BIA	Administrative offices and related facilities, including municipal council chambers	132 ROBINSON ST	630	Square feet	65	3,719	KWh	1,929	Cubic Meter						27,454	20.77	
Markham Village Community Centre/Arena	Indoor ice rinks	6041 Highway 7	43,204	Square feet	126	592,560	KWh	35,031	Cubic Meter						3,711	38.44	
Markham Village Library	Public libraries	6031 Highway 7	19,561	Square feet	66.5	542,560	KWh	54,710	Cubic Meter						76,481	22.33	
McKay House	Art galleries	197 MAIN ST	3,116	Square feet	38.75	10,106	KWh	5,379	Cubic Meter						112,821	57.46	
Milliken Mills Community Centre	Community centres	7600 Kennedy Rd	103,438	Square feet	126	1,744,242	KWh	337,451	Cubic Meter						10,344	21.59	
Milliken Mills Soccer Dome & Clubhouse	Gyms and indoor courts for playing tennis, basketball or other sports	7700 Kennedy Rd	33,382	Square feet	30	241,080	KWh	60,006	Cubic Meter						668,166	51.53	
Milne Parks Yard Shop	Storage facilities where equipment or vehicles are maintained, repaired or stored	8251 MCCOWAN RD	1,291	Square feet	65	698	KWh	0							117,619	26.33	
Mount Joy Community Centre/Arena	Indoor ice rinks	6140 16th Ave	61,044	Square feet	126	1,127,120	KWh	43,066	Cubic Meter						12	0.54	
Old Unionville Library Community Centre	Community centres	221 Main Street	3,369	Square feet	126	9,242	KWh	4,630	Cubic Meter						100,919	25.96	
Pan Am Centre	Community centres	16 Main Street	142,000	Square feet	54.5	3,526,443	KWh	57,039	Cubic Meter	17,243	Giga Joule	43.05	11,930	Giga Joule	8,913	17.35	
Parks Department Maintenance Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	4415 14th Avenue, Milliken	7,259	Square feet	65	62,837	KWh	27,910	Cubic Meter						1,208,692	69.91	
Pingle House	Community centres	4022 Major Mackenzie Drive	4,400	Square feet	126	0		2,099	Cubic Meter						53,854	49.52	
Princess Street Parks Shop	Storage facilities where equipment or vehicles are maintained, repaired or stored	6 Princess Street, Markham	960	Square feet	65	35,571	KWh	0							3,968	5.07	
R.J. Clatworthy Arena	Indoor ice rinks	2400 John St	33,284	Square feet	126	492,810	KWh	28,613	Cubic Meter						615	37.05	
Rouge River Community Centre	Community centres	120 Rouge Bank Dr	20,302	Square feet	126	240,100	KWh	52,942	Cubic Meter						62,621	23.94	
St. Robert's Soccer Dome	Gyms and indoor courts for playing tennis, basketball or other sports	8101 LESLIE ST	29,351	Square feet	30	1,137	KWh	0							104,247	39.54	
Thornhill Community Centre	Community centres	7755 Bayview Ave	168,139	Square feet	126	3,339,903	KWh	356,493	Cubic Meter						20	0.04	
Thornhill Village Library	Public libraries	10 Colborne St	4,283	Square feet	44	23,630	KWh	3,106	Cubic Meter						731,769	42.40	
Unionville Library	Public libraries	15 Library Lane	13,640	Square feet	64.5	234,000	KWh	11,028	Cubic Meter						6,281	13.22	
Unionville Train Station Community Centre	Community centres	7 STATION LANE	1,985	Square feet	126	6,567	KWh	7,447	Cubic Meter						24,898	25.75	
Varley Art Gallery	Art galleries	216 Main st	25,000	Square feet	41	425,440	KWh	54,358	Cubic Meter						14,193	43.18	
Warden House	Community centres	8840 Warden Avenue	5,296	Square feet	56	32,025	KWh	0							110,130	40.13	
West Parks Yard Shop	Storage facilities where equipment or vehicles are maintained, repaired or stored	428 John Street	2,719	Square feet	65	45,920	KWh	6,869	Cubic Meter						554	6.05	
Total			1,719,202			30,457,869		2,397,681		36,233		21,888			7,240,407		