City of Markham Ontario Regulation 397/11 Energy Consumption and Greenhouse Gas Emissions Report for 2016

Confirm consecutive 12-mth period (mth-yr to mth-yr): Jan/2016 - Dec/2016

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: Electricity Quantity	Electricity Unit	Natural Gas Quantity	Natural Gas Unit	District Heating Quantity	District Heating Unit	District Cooling Quantity	District Cooling Unit	Total (calculated in webform): GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
Angus Glen Community Centre/Arena	Community centres	3990 Major Mackenzie Dr E	Markham	L6P 1P8	179,007	Square feet	126		5,501,121	kWh	545,340	Cubic Meter					1,226,588	63.11
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				4,800	Cubic Meter					9,075	1.46
Armadale Community Centre	Community centres	2401 Denison St	Markham	L3S 1G3	23,557	Square feet	126		307,112	kWh	37,910	Cubic Meter					82,591	30.14
Buttonville Women's Institute Community Hall	Community centres	8931 Woodbine Avenue	Unionville	L3R 0J9	5,360	Square feet	126		13,204	kWh	6,598	Cubic Meter					12,944	15.55
Centennial Community Centre	Community centres	8600 McCowan Rd	Markham	L3P 3M2	142,000	Square feet	126		3,054,625	kWh	260,273	Cubic Meter					600,665	40.99
Community & Fire Services Administration Building	Administrative offices and related facilities, including municipal council chambers	8100 WARDEN AVE	Markham	L3R 8H7	59,722	Square feet	65		777,295	kWh	24,734	Cubic Meter	1,177	Giga Joule	916	Giga Joule	146,947	24.18
Cornell Community Centre	Community centres	3201 Bur Oak Ave	Markham	L6B 0T2	129,000	Square feet	54.5		3,424,275	kWh			10,613	Giga Joule	8,066	Giga Joule	775,239	54.66
Crosby Community Centre/Arena	Community centres	210 Main St	Unionville	L3R 2G9	34,293	Square feet	126		745,200	kWh	47,973	Cubic Meter					117,189	36.60
Fire Station #91	Fire stations and associated offices and facilities	7801 Bayview Avenue	Thornhill	L3T 7N1	8,348	Square feet	168		100,000	kWh	20,331	Cubic Meter					41,993	37.86
Fire Station #92	Fire stations and associated offices and facilities	10 Riviera Dr	Markham	L3R 5M1	15,408	Square feet	168		237,520	kWh	43,722	Cubic Meter					91,105	45.57
Fire Station #93	Fire stations and associated offices and facilities	2930 MAJOR MACKENZIE DR E	Markham	L6C 0J1	10,834	Square feet	168		144,650	kWh	2,279	Cubic Meter					9,451	15.59
Fire Station #94	Fire stations and associated offices and facilities	7300 Birchmount	Markham	L3R 3T1	7,142	Square feet	168		92,998	kWh	18,273	Cubic Meter					37,853	40.21
Fire Station #95	Fire stations and associated offices and facilities	316 Main Street	Unionville	L3R 2H2	11,846	Square feet	168		141,359	kWh	29,536	Cubic Meter					60,867	38.43
Fire Station #96	Fire stations and associated offices and facilities	5567 14th Avenue, Milliken	Markham	L3S 3K5	8,933	Square feet	168		77,897	kWh	19,762	Cubic Meter					40,132	32.23
Fire Station #97	Fire stations and associated offices and facilities	209 Main Street, Markham	Markham	L3P 1Y4	7,669	Square feet	168		62,725	kWh	14,878	Cubic Meter					30,359	28.80
Fire Station #98	Fire stations and associated offices and facilities	650 Bur Oak Avenue, Markham	Markham	L6E 1C3	9,400	Square feet	168		163,299	kWh	31,241	Cubic Meter					64,870	52.69
Fire Station #99	Fire stations and associated offices and facilities	3255 Bur Oak Avenue, Markham	Markham	L6B 1E3	10,834	Square feet	168		73,860	kWh	770	Cubic Meter	781	Giga Joule	338	Giga Joule	51,407	30.22
Fleet Maintenance Works Yard- Main Building	Administrative offices and related facilities, including municipal council chambers	555 Miller Avenue, Markham	Markham	L6G 1B2	33,002	Square feet	65		436,631	kWh	59,491	Cubic Meter					127,997	32.39
John Street Fire Training Centre	Fire stations and associated offices and facilities	438 John Street	Thornhill	L3T 1Z1	5,531	Square feet	168		59,686	kWh	13,472	Cubic Meter					27,592	36.68
Markham Civic Centre	Administrative offices and related facilities, including municipal council chambers	101 Town Centre Blvd	Markham	L3R 9W3	172,515	Square feet	65		2,099,217	kWh	3,696	Cubic Meter	4,676	Giga Joule	3,294	Giga Joule	368,793	21.53
Markham Museum	Cultural facilities	9350 HIGHWAY 48	Markham	L3P 3J3	68,009	Square feet	40		697,200	kWh	48,294	Cubic Meter					116,090	17.80
Markham Seniors Activity Centre	Indoor recreational facilities	22 Water Street, Markham	Markham	L3P 7P9	14,139	Square feet	49		167,357	kWh	148,405	Cubic Meter					286,528	123.39
Markham Village BIA	Administrative offices and related facilities, including municipal council chambers	132 ROBINSON ST	Markham	L3P 5H5	630	Square feet	65		4,257	kWh	1,715	Cubic Meter					3,394	35.69
Markham Village Community Centre/Arena	Community centres	6041 Highway 7	Markham	L3P 3A7	43,204	Square feet	126		651,360	kWh	38,744	Cubic Meter					96,405	24.61
Markham Village Library	Public libraries	6031 Highway 7	Markham	L3P 3A7	19,561	Square feet	66.5		556,480	kWh	37,390	Cubic Meter					90,472	48.76
McKay House	Art galleries	197 MAIN ST	Markham	L3R 9W3	3,116	Square feet	38.75		11,545	kWh	3,433	Cubic Meter					6,901	15.41
Milliken Mills Community Centre	Community centres	7600 Kennedy Rd	Markham	L3R 9S5	103,438	Square feet	126		1,741,712	kWh	293,575	Cubic Meter					616,955	47.00
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		186,480	kWh	73,577	Cubic Meter					145,736	29.01
Milne Parks Yard Shop	Storage facilities where equipment or vehicles are maintained, repaired or stored	8251 MCCOWAN RDMilne Park	Markham	L3P 3J3	1,291	Square feet	65		1,017	kWh							36	0.79
Mount Joy Community Centre/Arena	Community centres	6140 16th Ave	Markham	L3P 3K8	61,044	Square feet	126		1,033,702	kWh	58,913	Cubic Meter					148,129	27.19
Old Unionville Library Commuity Centre	Community centres	221 Main Street	Unionville	L3P 1Y6	3,369	Square feet	126		11,503	kWh	5,125	Cubic Meter					10,098	19.58
Pan Am Centre	Indoor recreational facilities	16 Main Street	Markham	L3R 2E5	142,000	Square feet	54.5		3,770,314	kWh			18,610	Giga Joule	14,447	Giga Joule	1,280,894	71.52
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		67,371	kWh	37,364	Cubic Meter					73,036	63.98
Pingle House	Community centres	4022 Major Mackenzie Drive	Markham	L6P 1P8	4,400	Square feet	126				2,354	Cubic Meter					4,451	5.69
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		55,811	kWh							1,984	58.14
R.J. Clatworthy Arena	Indoor ice rinks	2400 John St	Markham	L3T 6G6	33,284	Square feet	126		472,822	kWh	27,333	Cubic Meter					68,484	22.93
Rouge River Community Centre	Community centres	120 Rouge Bank Dr	Markham	L3S 4B7	20,302	Square feet	126		258,513	kWh	56,501	Cubic Meter					116,012	42.31
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		1,083	kWh							39	0.04
Thornhill Community Centre	Community centres	7755 Bayview Ave	Markham	L3T 4P1	168,139	Square feet	126		3,472,543	kWh	389,847	Cubic Meter					860,497	45.29
Thornhill Village Library	Public libraries	10 Colborne St	Thornhill	L3T 1Z6	4,283	Square feet	44		31,809	kWh	3,880	Cubic Meter					8,466	17.05
Unionville Library	Public libraries	15 Library Lane	Markham	L3R 5C4	13,640	Square feet	64.5		263,280	kWh	10,225	Cubic Meter					28,691	27.27
Unionville Train Station Community Centre	Community centres	7 STATION LANE	Markham	L3R 1R4	1,985	Square feet	126		8,362	kWh	4,207	Cubic Meter					8,251	26.74
Varley Art Gallery	Art galleries	216 Main st	Unionville	L3R 2H1	25,000	Square feet	41		483,040	kWh	68,279	Cubic Meter					146,261	48.35
Warden House	Community centres	8840 Warden Avenue	Markham	L3R 0K3	5,296	Square feet	56		53,412	kWh							1,899	10.09
West Parks Yard Shop	Storage facilities where equipment or vehicles are maintained, repaired or stored	428 John Street	Thornhill	L3T 1Z1	2,719	Square feet	65		43,821	kWh	6,199	Cubic Meter					13,278	40.35
Total					**1,719,202**				**31,557,467**		**2,500,439**		**35,857**		**27,061**		**8,056,643**	