## City of Markham Ontario Regulation 507/18 Energy Consumption and Greenhouse Gas Emissions Report for 2019

Reporting Year: Jan 2019 - Dec 2019

| | | | | | | | | Energy Type and Amount Purchased and Consumed in Natural Units | | | | | | | | | | Total (calculated in webform) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Electricity | | Natural Gas | | District Heating | | | District Cooling | | | | |
| Operation Name | Operation Type | Address | City | Postal Code | Total Floor Area | Unit | Avg hrs/wk | Quantity | Unit | Quantity | Unit | Quantity | Unit | If Yes, enter Emission Factor | Quantity | Unit | If Yes, enter Emission Factor | GHG Emissions (Kg) | Energy Intensity (ekWh/sqft) |
| Aaniin Community Centre | Community centres | 5665 14th Ave | Markham | L3S 3K5 | 122,000 | Square feet | 126 | 2,308,827 | kWh | 372,503 | Cubic Meter | | | | | | | 774,622 | 51.37 |
| Angus Glen Community Centre/Arena | Community centres | 3990 Major Mackenzie Dr E | Markham | L6P 1P8 | 179,007 | Square feet | 126 | 5,258,661 | kWh | 439,272 | Cubic Meter | | | | | | | 990,746 | 55.46 |
| 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 | | | 21,599 | Cubic Meter | | | | | | | 40,835 | 6.56 |
| Armadale Community Centre | Community centres | 2401 Denison St | Markham | L3S 1G3 | 23,557 | Square feet | 126 | 226,898 | kWh | 45,343 | Cubic Meter | | | | | | | 92,641 | 30.09 |
| Buttonville Women's Institute Community Hall | Community centres | 8931 Woodbine Avenue | Unionville | L3R 0J9 | 5,360 | Square feet | 126 | 7,495 | kWh | 6,890 | Cubic Meter | | | | | | | 13,256 | 15.06 |
| Centennial Community Centre | Community centres | 8600 McCowan Rd | Markham | L3P 3M2 | 142,000 | Square feet | 126 | 2,741,614 | kWh | 348,218 | Cubic Meter | | | | | | | 741,896 | 45.37 |
| 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 | 677,201 | kWh | 23,746 | Cubic Meter | 1,401 | Giga Joule | 48.30 | 1,054 | Giga Joule | 2.21 | 135,534 | 23.57 |
| Cornell Community Centre | Community centres | 3201 Bur Oak Ave | Markham | L6B 0T2 | 129,000 | Square feet | 54.5 | 3,863,589 | kWh | | | 12,749 | Giga Joule | 52.92 | 8,728 | Giga Joule | 1.95 | 809,410 | 63.10 |
| Crosby Community Centre/Arena | Indoor ice rinks | 210 Main St | Unionville | L3R 2G9 | 34,293 | Square feet | 126 | 696,923 | kWh | 51,305 | Cubic Meter | | | | | | | 118,235 | 36.22 |
| Fire Station #91 | Fire stations and associated offices and facilities | 7801 Bayview Avenue | Thornhill | L3T 7N1 | 8,348 | Square feet | 168 | 110,930 | kWh | 24,170 | Cubic Meter | | | | | | | 49,078 | 44.06 |
| Fire Station #92 | Fire stations and associated offices and facilities | 10 Riviera Dr | Markham | L3R 5M1 | 15,408 | Square feet | 168 | 206,734 | kWh | 44,753 | Cubic Meter | | | | | | | 90,911 | 44.29 |
| Fire Station #93 | Fire stations and associated offices and facilities | 2930 MAJOR MACKENZIE DR E | Markham | L6C 0J1 | 10,834 | Square feet | 168 | 151,712 | kWh | 2,093 | Cubic Meter | | | | | | | 8,581 | 16.06 |
| Fire Station #94 | Fire stations and associated offices and facilities | 7300 Birchmount | Markham | L3R 3T1 | 7,142 | Square feet | 168 | 100,663 | kWh | 20,368 | Cubic Meter | | | | | | | 41,575 | 44.40 |
| Fire Station #95 | Fire stations and associated offices and facilities | 316 Main Street | Unionville | L3R 2H2 | 11,846 | Square feet | 168 | 143,413 | kWh | 35,768 | Cubic Meter | | | | | | | 71,995 | 44.20 |
| Fire Station #96 | Fire stations and associated offices and facilities | 5567 14th Avenue, Milliken | Markham | L3S 3K5 | 8,933 | Square feet | 168 | 78,932 | kWh | 21,708 | Cubic Meter | | | | | | | 43,447 | 34.66 |
| Fire Station #97 | Fire stations and associated offices and facilities | 209 Main Street, Markham | Markham | L3P 1Y4 | 7,669 | Square feet | 168 | 64,847 | kWh | 18,996 | Cubic Meter | | | | | | | 37,891 | 34.78 |
| Fire Station #98 | Fire stations and associated offices and facilities | 650 Bur Oak Avenue, Markham | Markham | L6E 1C3 | 9,400 | Square feet | 168 | 134,143 | kWh | 33,465 | Cubic Meter | | | | | | | 67,357 | 52.11 |
| Fire Station #99 | Fire stations and associated offices and facilities | 3255 Bur Oak Avenue, Markham | Markham | L6B 1E3 | 10,834 | Square feet | 168 | 95,454 | kWh | 557 | Cubic Meter | 842 | Giga Joule | 52.92 | 228 | Giga Joule | 1.95 | 48,962 | 32.72 |
| 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 | 416,344 | kWh | | | | | | | | | 12,687 | 12.62 |
| John Street Fire Training Centre | Fire stations and associated offices and facilities | 438 John Street | Thornhill | L3T 1Z1 | 5,531 | Square feet | 168 | 60,746 | kWh | 14,580 | Cubic Meter | | | | | | | 29,416 | 39.00 |
| Markham Civic Centre | Administrative offices and related facilities, including municipal council chambers | 101 Town Centre Blvd | Markham | L3R 9W3 | 172,515 | Square feet | 65 | 2,276,616 | kWh | 13,511 | Cubic Meter | 5,009 | Giga Joule | 48.30 | 2,458 | Giga Joule | 2.21 | 342,290 | 23.29 |
| Markham Museum | Cultural facilities | 9350 HIGHWAY 48 | Markham | L3P 3J3 | 68,009 | Square feet | 40 | 701,903 | kWh | 93,503 | Cubic Meter | | | | | | | 198,169 | 24.93 |
| Markham Village BIA | Administrative offices and related facilities, including municipal council chambers | 132 ROBINSON ST | Markham | L3P 5H5 | 630 | Square feet | 65 | 3,936 | kWh | 1,995 | Cubic Meter | | | | | | | 3,892 | 39.90 |
| Markham Village Community Centre/Arena | Indoor ice rinks | 6041 Highway 7 | Markham | L3P 3A7 | 43,204 | Square feet | 126 | 588,673 | kWh | 47,279 | Cubic Meter | | | | | | | 107,326 | 25.26 |
| Markham Village Library | Public libraries | 6031 Highway 7 | Markham | L3P 3A7 | 19,561 | Square feet | 66.5 | 512,278 | kWh | 44,127 | Cubic Meter | | | | | | | 99,039 | 50.16 |
| McKay House | Art galleries | 197 MAIN ST | Markham | L3R 9W3 | 3,116 | Square feet | 38.75 | 11,670 | kWh | 5,024 | Cubic Meter | | | | | | | 9,854 | 20.88 |
| Milliken Mills Community Centre | Community centres | 7600 Kennedy Rd | Markham | L3R 9S5 | 103,438 | Square feet | 126 | 1,543,209 | kWh | 265,016 | Cubic Meter | | | | | | | 548,073 | 42.15 |
| 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 | 243,637 | kWh | 75,975 | Cubic Meter | | | | | | | 151,064 | 31.49 |
| 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 | 862 | kWh | | | | | | | | | 26 | 0.67 |
| Mount Joy Community Centre/Arena | Indoor ice rinks | 6140 16th Ave | Markham | L3P 3K8 | 61,044 | Square feet | 126 | 1,003,957 | kWh | 59,617 | Cubic Meter | | | | | | | 143,308 | 26.83 |
| Old Unionville Library Commuity Centre | Community centres | 221 Main Street | Unionville | L3P 1Y6 | 3,369 | Square feet | 126 | 7,636 | kWh | 5,818 | Cubic Meter | | | | | | | 11,232 | 20.62 |
| Pan Am Centre | Community centres | 16 Main Street | Markham | L3R 2E5 | 142,000 | Square feet | 54.5 | 3,302,491 | kWh | 10,481 | Cubic Meter | 19,022 | Giga Joule | 48.30 | 10,502 | Giga Joule | 2.21 | 1,062,420 | 67.48 |
| 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 | 69,501 | kWh | 35,196 | Cubic Meter | | | | | | | 68,661 | 61.10 |
| Pingle House | Community centres | 4022 Major Mackenzie Drive | Markham | L6P 1P8 | 4,400 | Square feet | 126 | | | 2,581 | Cubic Meter | | | | | | | 4,879 | 6.23 |
| 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 | 47,796 | kWh | | | | | | | | | 1,456 | 49.79 |
| R.J. Clatworthy Arena | Indoor ice rinks | 2400 John St | Markham | L3T 6G6 | 33,284 | Square feet | 126 | 570,237 | kWh | 30,989 | Cubic Meter | | | | | | | 75,965 | 27.03 |
| Rouge River Community Centre | Community centres | 120 Rouge Bank Dr | Markham | L3S 4B7 | 20,302 | Square feet | 126 | 279,466 | kWh | 49,269 | Cubic Meter | | | | | | | 101,666 | 39.56 |
| 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 | 650 | kWh | | | | | | | | | 20 | 0.02 |
| Thornhill Community Centre | Community centres | 7755 Bayview Ave | Markham | L3T 4P1 | 168,139 | Square feet | 126 | 3,271,053 | kWh | 301,641 | Cubic Meter | | | | | | | 669,969 | 38.52 |
| Thornhill Village Library | Public libraries | 10 Colborne St | Thornhill | L3T 1Z6 | 4,283 | Square feet | 44 | 26,128 | kWh | 3,991 | Cubic Meter | | | | | | | 8,342 | 16.00 |
| Unionville Library | Public libraries | 15 Library Lane | Markham | L3R 5C4 | 13,640 | Square feet | 64.5 | 256,652 | kWh | 12,534 | Cubic Meter | | | | | | | 31,519 | 28.58 |
| Unionville Train Station Community Centre | Community centres | 7 STATION LANE | Markham | L3R 1R4 | 1,985 | Square feet | 126 | 7,242 | kWh | 8,016 | Cubic Meter | | | | | | | 15,377 | 46.57 |
| Varley Art Gallery | Art galleries | 216 Main st | Unionville | L3R 2H1 | 25,000 | Square feet | 41 | 414,208 | kWh | 67,304 | Cubic Meter | | | | | | | 139,869 | 45.18 |
| Warden House | Community centres | 8840 Warden Avenue | Markham | L3R 0K3 | 5,296 | Square feet | 56 | 19,624 | kWh | | | | | | | | | 598 | 3.71 |
| 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 | 47,480 | kWh | 6,597 | Cubic Meter | | | | | | | 13,919 | 43.25 |
| **Total** | | | | | **1,827,063** | | | **32,552,028** | | **2,665,799** | | **39,023** | | | **22,970** | | | **8,028,006** | |