



The Corporation of the City of Belleville

Energy Consumption and Greenhouse Gas Emissions

Reporting for 2017

January 1st, 2017 to December 31st, 2017

Energy Consumption and Greenhouse Gas Emissions

Ontario Regulation 507/18 ([O. Reg. 507/18](#)) requires public agencies including municipalities to report annually to the Ministry of Energy on their energy use and greenhouse gas emissions. Table 1 is the data reported to the Ministry of Energy for the period **January 2017 to December 2017**. The City of Belleville reports for the Municipality sector, Municipal sub-sector. A hard copy of this document is available upon request.

Table 1: Energy Consumption and Greenhouse Gas Emissions for 2017

Operation Name	Operation Type	Address	Total Floor Area (sq. metres)	Avg Hrs per Wk	Electricity (kWh)	Natural Gas (cubic metres)	GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
Archives Building	Public Libraries	315 Church St	650.00	40	4,749.02	2,715.89	5,216.88	4.80421
Archives Building	Public Libraries	154 Cannifton Rd	234.00	10	1,222.06	2,412.78	4,582.81	10.66580
Arena - Memorial	Indoor ice rinks	15 Market Square	4,171.00	1	34,173.79		591.14	0.76117
Belleville Public Library	Public Libraries	254-256 Pinnacle St	3,530.00	60	578,073.84	51,159.47	106,722.99	29.52329
Canteens	Community Centres	516 Harmony Rd	134.00	49	73,387.72	6,364.23	13,301.84	97.77370
City Hall	Administrative offices and related facilities, including municipal council chambers	169 Front St	3,292.00	60	353,108.29	38,102.28	78,145.27	21.39283
City Professional Building	Administrative offices and related facilities, including municipal council chambers	179-185 Pinnacle St	966.00	40	65,815.09	22,508.18	43,693.04	29.33532
Club - Rowing - Indoor	Indoor recreational facilities	35 Keegan Pkwy	1,121.00	30	65,076.76		1,125.70	5.39324
Club - Tennis - Outdoor	Gyms and indoor courts for playing tennis, basketball or other sports	221 Dufferin	105.00	20	4,094.61		70.83	3.62287
Community Centre - Elderly Person	Administrative offices and related facilities, including municipal council chambers	116 Pinnacle	521.00	50	31,844.05	6,137.92	12,155.35	17.31035
Community Centre - Hillcrest	Community Centres	69 Centre St	565.00	20	5,869.28	3,858.63	7,396.76	7.70815

Operation Name	Operation Type	Address	Total Floor Area (sq. metres)	Avg Hrs per Wk	Electricity (kWh)	Natural Gas (cubic metres)	GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
Community Centre - Opportunity Shop	Community Centres	29 Market Square	275.00	10	14,130.45		244.43	4.77368
Community Centre - Parkdale	Community Centres	599 Sidney St	77.00	25	9,753.71	3,460.98	6,712.14	56.14747
Community Centre - Thurlow	Community Centres	516 Harmony Rd	260.00	25	853.64		14.77	0.30502
Fire Hall #1	Fire stations and associated offices and facilities	72 Moira St W	465.00	168	56,758.57	12,624.30	24,849.65	38.14553
Fire Hall #2	Fire stations and associated offices and facilities	316 Dundas St E	427.00	168	1,432.75	7,895.30	14,951.84	18.56802
Fire Hall #3	Fire stations and associated offices and facilities	4867 Old Highway 2	93.00	20	533.56		9.23	0.53300
Fire Hall #4	Fire stations and associated offices and facilities	516 Harmony Rd	232.00	20	1,280.47	3,733.57	7,080.93	16.40219
Glanmore National Historic Site	Cultural facilities	257 Bridge St E	518.00	40	22,468.35	13,383.88	25,692.57	29.54050
Kinsmen Pool and Hall	Indoor recreational facilities	151 Dundas St E	697.00	20	84,909.13	19,069.70	37,522.44	38.33117
Meyers Pier	Indoor recreational facilities	1 South Front St	695.00	40	1,659.84		28.71	0.22188
Parks Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	259 North Park St	791.00	70	71,132.97	27,187.61	52,632.10	42.29105
Police Services Facility	Police stations and associated offices and facilities	93 Dundas St E	3,112.00	168	428,956.26	34,081.32	71,855.15	23.61876
Property Maintenance - Sidney Smith	Storage facilities where equipment or vehicles are maintained, repaired or stored	74 South Foster	234.00	40	6,636.29	5,414.29	10,351.20	25.48010
Public Utilities & Veridian - Neil Britton	Administrative offices and related facilities, including municipal council chambers	195 College St W	2,914.00	40	355,180.51	19,146.76	42,343.30	17.81123

Operation Name	Operation Type	Address	Total Floor Area (sq. metres)	Avg Hrs per Wk	Electricity (kWh)	Natural Gas (cubic metres)	GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
Public Works	Storage facilities where equipment or vehicles are maintained, repaired or stored	29 Ritz Rd	1,858.00	35	60,995.17	7,935.08	16,057.36	7.26660
PW - Joe Angelo Operations Centre	Storage facilities where equipment or vehicles are maintained, repaired or stored	75 Wallbridge Cres	4,780.00	50	178,785.22	22,529.48	45,687.46	8.12850
QSWC - Yardmen & Wally Dever	Indoor ice rinks	265 Cannifton Rd	11,706.00	133	4,204,133.16		72,723.10	33.36550
Quinte Exhibition and Raceway	Cultural facilities	158 Bridge St E	1,382.00	20	44,286.06	5,005.09	10,228.82	6.55289
Quinte Sports Centre - A.B. Pool	Indoor recreational facilities	265 Cannifton Rd	16,165.00	133	2,806,196.48	441,534.70	883,319.00	43.09647
Transit Garage	Storage facilities where equipment or vehicles are maintained, repaired or stored	400 Coleman St	780.00	50	113,404.52	46,475.49	89,829.49	72.33757
Transit Terminal	Administrative offices and related facilities, including municipal council chambers	165 Pinnacle St	93.00	80	93,047.94	3,014.01	7,307.91	124.94970
Water Pollution Control Plant	Facilities related to the treatment of sewage	131 St Paul St	12,618.09	168	3,120,457.00	110,906.49	263,660.47	31.65325
Water Treatment Plant	Facilities related to the treatment of water	2 Sidney St	7,525.00	168	4,032,160.51	143,572.55	341,190.46	68.61881

Energy Intensity of Water and Sewage Works

Public agencies, including municipalities, must also report the energy intensity of their water and sewage works. The City of Belleville's data for its water and sewage works is captured in Table 2.

Table 2: Annual Flow and Energy Intensity of Water and Sewage Works

Operation Name	Annual Flow (mega litres)	Energy Intensity (ekWh/Mega Litre)
Water Pollution Control Plant	12,534.822	342.97627
Water Treatment Plant	7,718.98	720.04560