



**The Corporation of the City of Belleville**

# **Energy Consumption and Greenhouse Gas Emissions**

## **Reporting for 2016**

**January 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2016**

## 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 2016 to December 2016**. 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 2016**

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	154 Cannifton Rd	234.00	10	8,915.74537	3,067.58866	6,116.60286	16.48329
Archives Building	Public Libraries	315 Church St	650.00	40	10,534.26742	7,859.74000	15,234.30880	13.44461
Arena - Memorial	Indoor ice rinks	15 Market Square	4,171.00	1	46,784.33143		1,663.08941	1.04205
Belleville Public Library	Public Libraries	254-256 Pinnacle St	3,530.00	60	570,421.90000	58,700.13000	131,257.40838	31.43105
Canteens	Community Centres	516 Harmony Rd	134.00	49	122,479.20097	8,814.30094	21,018.44598	149.86199
City Hall	Administrative offices and related facilities, including municipal council chambers	169 Front St	3,292.00	60	389,830.85000	43,281.88235	95,687.60244	23.98266
City Professional Building	Administrative offices and related facilities, including municipal council chambers	179-185 Pinnacle St	966.00	40	68,417.77161	17,736.80118	35,965.79014	24.70879
Club - Rowing - Indoor	Indoor recreational facilities	35 Keegan Pkwy	1,121.00	30	2,258.58484		80.28817	0.18718
Club - Tennis - Outdoor	Gyms and indoor courts for playing tennis, basketball or other sports	221 Dufferin	105.00	20	4,711.67677		167.49069	4.16885
Community Centre - Elderly Person	Administrative offices and related facilities, including municipal council chambers	116 Pinnacle	521.00	50	74,614.66161	11,242.71824	23,908.18864	34.61123

<b>Operation Name</b>	<b>Operation Type</b>	<b>Address</b>	<b>Total Floor Area (sq. metres)</b>	<b>Avg Hrs per Wk</b>	<b>Electricity (kWh)</b>	<b>Natural Gas (cubic metres)</b>	<b>GHG Emissions (Kg)</b>	<b>Energy Intensity (ekWh/sqft)</b>
Community Centre - Opportunity Shop	Community Centres	29 Market Square	275.00	10	5,965.52032	3,660.62153	7,132.93221	15.15832
Community Centre - Parkdale	Community Centres	599 Sidney St	77.00	25	22,977.32742	4,062.89369	8,498.21454	79.82039
Community Centre - Thurlow	Community Centres	516 Harmony Rd	260.00	25	677.48188		24.08313	0.24208
Community Centre - Hillcrest	Community Centres	69 Centre St.	565.00	20	5,965.52032	3,660.62153	7,132.93221	7.37794
Fire Hall #1	Fire stations and associated offices and facilities	72 Moira St W	465.00	168	59,647.41742	11,593.66457	24,039.64166	36.53431
Fire Hall #2	Fire stations and associated offices and facilities	316 Dundas St E	427.00	168	2,979.14968	14,022.00636	26,616.28663	33.07127
Fire Hall #3	Fire stations and associated offices and facilities	4867 Old Highway 2	93.00	20	6,181.58052		219.74282	6.17513
Fire Hall #4	Fire stations and associated offices and facilities	516 Harmony Rd	232.00	20	1,016.22282	2,555.26714	4,867.18174	11.28172
Glanmore National Historic Site	Cultural facilities	257 Bridge St E	518.00	40	35,000.61677	12,312.21143	24,522.00128	29.74547
Kinsmen Pool and Hall	Indoor recreational facilities	151 Dundas St E	697.00	20	100,062.70387	10,849.74325	24,069.84653	28.70681
Meyers Pier	Indoor recreational facilities	1 South Front St	695.00	40	278.16000		9.88803	0.03718
Parks Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	259 North Park St	791.00	70	69,823.41710	24,206.35359	48,247.26849	38.41594
Parks Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	29 Ritz Rd	1,858.00	35	43,399.00000	10,884.17639	22,120.66540	7.95394
Police Services Facility	Police stations and associated offices and facilities	93 Dundas St E	3,112.00	168	471,532.00000	38,016.58294	88,637.19769	26.13834

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Property Maintenance - Sidney Smith	Storage facilities where equipment or vehicles are maintained, repaired or stored	74 South Foster	234.00	40	5,809.54097	4,466.94775	8,651.84959	21.15459
Public Utilities & Veridian - Neil Britton	Administrative offices and related facilities, including municipal council chambers	195 College St W	2,914.00	40	365,788.24484	18,682.04900	48,323.82678	17.99197
PW - Joe Angelo Operations Centre	Storage facilities where equipment or vehicles are maintained, repaired or stored	75 Wallbridge Cres	4,780.00	50	175,109.31000	22,446.99146	48,663.67388	8.04001
QSWC - Yardmen & Wally Dever	Indoor ice rinks	265 Cannifton Rd	11,706.00	133	4,321,845.00		153,632.94606	34.29971
Quinte Exhibition and Raceway	Cultural facilities	158 Bridge St E	1,382.00	20	39,738.91499	1,508.65652	4,264.94569	3.74923
Quinte Sports Centre - A.B. Pool	Indoor recreational facilities	265 Cannifton Rd	16,165.00	133	3,089,770.00000	392,439.57138	851,791.99347	41.72750
Transit Garage	Storage facilities where equipment or vehicles are maintained, repaired or stored	400 Coleman St	780.00	50	123,143.44645	43,591.83916	86,793.41133	69.84731
Transit Terminal	Administrative offices and related facilities, including municipal council chambers	165 Pinnacle St	93.00	80	107,883.47097	1,027.07155	5,776.85083	118.67505
Water Pollution Control Plant	Facilities related to the treatment of sewage	131 St Paul St	12,618.09	168	3,092,326.00	94,598.30000	288,776.10478	30.17004
Water Treatment Plant	Facilities related to the treatment of water	2 Sidney St	7,525.00	168	4,024,013.04	141,045.42712	409,709.90829	68.18663

## Energy Intensity of Water and Sewage Works

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Public agencies, including municipalities, must also report the energy intensity of their water and sewage works. The City of Belleville's 2016 data for its water and sewage works is captured in Table 2.

**Table 2: Annual Flow and Energy Intensity of Water and Sewage Works in 2016**

<b>Operation Name</b>	<b>Annual Flow (mega litres)</b>	<b>Energy Intensity (ekWh/Mega Litre)</b>
Water Pollution Control Plant	8289.77	494.30752
Water Treatment Plant	7723.697	715.07367