



**The Corporation of the City of Belleville**

## Energy Consumption and Greenhouse Gas Emissions

Reporting for 2020

**January 1<sup>st</sup>, 2020 to December 31<sup>st</sup>, 2020**

## 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 2020 to December 2020**. 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 2019**

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)
Arena - Memorial	Indoor ice rinks	15 Market Square	4,171.00	1	60,713.14452	0	1,850.11165	1.35230
Belleville Public Library	Public Libraries	254-256 Pinnacle St	3,530.00	60	519,241.7800	42,510.17207	96,193.73385	25.55570
Canteens - George St.	Community Centres	75 George St.	297.00	49	36,833.78323	7,236.08968	14,803.18239	35.57757
City Hall	Administrative offices and related facilities, including municipal council chambers	169 Front St	3,292.00	60	345,826.33806	28,378.84283	64,192.17249	18.27103
City Professional Building	Administrative offices and related facilities, including municipal council chambers	179-185 Pinnacle St	966.00	40	69,911.72226	21,635.93061	43,035.89450	28.83778
Club - Lawn Bowling	Community centres	69 Centre St	565.00	20	3,556.74806	3,290.95452	6,330.35225	6.33587
Club - Rowing - Indoor	Indoor recreational facilities	35 Keegan Pkwy	1,121.00	30	10,646.58226	0	324.43330	0.88234
Club - Tennis - Outdoor	Gyms and indoor courts for playing tennis, basketball or other sports	221 Dufferin	105.00	20	2,039.52387	0	62.15041	1.80455
Community Centre - Opportunity Shop	Community Centres	29 Market Square	275.00	10	8,676.20452	0	264.38998	2.93107
Community Centre - Parkdale	Community Centres	599 Sidney St	77.00	25	12,839.96581	3,356.54039	6,737.23817	58.53194

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Community Centre - Thurlow	Community Centres	516 Harmony Rd	260.00	25	184.45860	0	521.50850	0.90692
EOS/TOS Operational Centre	Storage facilities where equipment or vehicles are maintained, repaired or stored	31 Wallbridge Cres	3,716.12	168	217,285.15323	34,601.99488	72,040.79626	14.62569
Fire Hall # 1 (NEW)	Fire stations and associated offices and facilities	60 Bettes St.	2,090.00	168	255,165.40000	40,743.21125	84,805.87049	30.59021
Fire Hall #2	Fire stations and associated offices and facilities	72 Moira St W	465.00	168	62,301.12065	11,201.29250	23,075.96808	36.23136
Fire Hall #3	Fire stations and associated offices and facilities	4867 Old Highway 2	93.00	20	19,638.17339	0	11,165.53600	67.77854
Fire Hall #4	Fire stations and associated offices and facilities	516 Harmony Rd	232.00	20	276.86401	3,286.35223	6,221.70313	14.09702
Fire Hall #5	Fire stations and associated offices and facilities	26/30 Hoskins Rd.	93.00	20	7,055.79656	0	7,936.18779	42.23864
Glanmore National Historic Site	Cultural facilities	257 Bridge St E	518.00	40	27,320.49419	12,328.14406	24,140.45944	28.39841
Kinsmen Pool and Hall	Indoor recreational facilities	151 Dundas St E	697.00	20	34,523.11065	5,292.60532	11,058.36527	12.09895
Meyers Pier	Indoor recreational facilities	1 South Front St	695.00	20	1,664.40000	0	50.71926	0.22249
Parks Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	259 North Park St	791.00	70	77,502.23516	22,349.45828	44,616.21487	36.99998
Police Services Facility	Police stations and associated offices and facilities	93 Dundas St E	3,112.00	168	388,453.48548	28,623.26516	65,953.26101	20.67794
Police Services	Police stations and associated offices and facilities	459 Sidney St. W.	6,503.21	168	487,921.40000	0	14,868.42882	6.97031
Property Maintenance - Sidney Smith	Storage facilities where equipment or vehicles are maintained, repaired or stored	74 South Foster	234.00	40	7,696.56290	5,021.50894	9,728.33774	24.24373

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Public Utilities & Veridian - Neil Britton	Administrative offices and related facilities, including municipal council chambers	195 College St W	2,914.00	40	15,226.82452	0	464.00702	0.48546
Public Works	Storage facilities where equipment or vehicles are maintained, repaired or stored	29 Ritz Rd	1,858.00	35	59,832.00000	8,687.19332	18,247.50279	7.60812
PW - Joe Angelo Operations Centre	Storage facilities where equipment or vehicles are maintained, repaired or stored	75 Wallbridge Cres	4,780.00	50	131,552.77000	51,862.04376	102,060.58776	13.26941
QSWC - CAA	Indoor ice rinks	265 Cannifton Rd	11,706.00	133	2,821,800.79700	0	85,988.73569	22.39482
Quinte Exhibition and Raceway	Cultural facilities	158 Bridge St E	1,382.00	20	35,013.85323	5,175.48483	10,851.88851	6.05132
Quinte Sports Centre, A, B, Pool, Offices	Indoor recreational facilities	265 Cannifton Rd	16,165.00	133	2,673,403.32000	466,170.06582	962,820.33239	43.83800
Transit Garage	Storage facilities where equipment or vehicles are maintained, repaired or stored	400 Coleman St	780.00	50	135,523.73065	77,297.39821	150,270.36274	113.98760
Transit Terminal	Administrative offices and related facilities, including municipal council chambers	165 Pinnacle St	93.00	80	59,870.89323	3,604.85365	8,639.87936	98.08007
Water Pollution Control Plant	Facilities related to the treatment of sewage	131 St Paul St	12,618.09	168	3,652,343.58645	155,920.19592	406,084.79837	39.09164
Water Treatment Plant	Facilities related to the treatment of water	2 Sidney St	7,525.00	168	3,773,015.70000	161,043.95296	419,449.15308	67.71184

## 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 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 2019**

<b>Operation Name</b>	<b>Annual Flow (mega litres)</b>	<b>Energy Intensity (ekWh/Mega Litre)</b>
Water Pollution Control Plant	10753.82500	493.72467
Water Treatment Plant	7701.30000	712.15962