

# 2017 Energy Consumption and Greenhouse gas Emissions Reporting

Sector: **Municipality**  
 Agency sub-sector: **Municipal**  
 Organization Name: **Regional of Waterloo**

Summary of table: The Region of Waterloo reports to Ontario Ministry of Energy, Northern Development and Mines, on energy consumption and greenhouse gas emissions through O. Reg. 507/18. For the Jan. 1, 2017 to Dec. 31, 2017 reporting period, the Region of Waterloo reported on 102 facilities, including administrative, vehicle storage and maintenance, public libraries, water and sewage treatment and pumping, museums, paramedic and police facilities. These facilities combined, used around 101 GWh of electricity, 4.46 million cubic meters of natural gas and emitted 10,200 tonnes of greenhouse gas emissions during the reporting period.

Operation Name	Operation Type	Address	C ty	Postal Code	Total F oor Area	Unit	Avq hrs/wk	Annual Flow (ML)	Electricity Quantity	Electricity Unit	Natural Gas Quantity	Natural Gas Unit	GHG Em sions (Kq)	Energy Intensity (ekWh/Unit)	Energy Intensity (ekWh/Mega Litre)	Comments
130 Main	Administrative offices and related facilities, including municipal council chambers	130 Main St	Cambridge	N1R 8H6	122,103.00	Square Feet	40	1,271,679.0000	kWh	208702.59147	98,753.0000	Cubic Meter	208702.59147	19.01021	0.00000	
Airport Operations Centre	Storage facilities where equipment or vehicles are maintained, repaired or stored	75 New Germany Lane	Brinsford	N0B 1A0	27,024.00	Square Feet	40	271,397.0000	kWh	69,269.0000	Cubic Meter	113656.46697	37.28436	0.00000		
Ayr Library	Public Libraries	137 Stanley St	Ayr	N0B 1E0	7,151.00	Square Feet	40	64,743.0000	kWh	7,853.0000	Cubic Meter	15967.01825	20.72478	0.00000		
Ayr Wastewater Plant	Facilities related to the treatment of sewage	1292 Nth Rd	Ayr	N0B 1E0	2,500.00	Square Feet	168	549.21600	kWh	538.634.0000	kWh	9317.20993	215.45360	980.73254		
Ayr WTP & Booster Station	Facilities related to the pumping of water	59 Gibson St	Ayr	N0B 1E0	11,783.50	Square Feet	168	724.25200	kWh	697,954.0000	kWh	8,114.0000	66.50095	1082.75543		
Baden Library	Public Libraries	115 Snyders Rd E	Baden	N3A 2V4	1,858.50	Square Feet	40	12,897.0000	kWh	1,897.0000	Cubic Meter	2089.14116	12.58360	0.00000		
Baden Station	Facilities related to the pumping of sewage	1044 Foundry St	Baden	N0B 1G0	2,234.00	Square Feet	168	469.88580	kWh	95,543.0000	kWh	1721.89481	44.55819	211.84509		
Branchton Meadows WTP / PS & Reservoir	Facilities related to the pumping of water	33 A Hughson St	Branchton	N0B 1L0	621.00	Square Feet	168	9,017.000	kWh	47,674.0000	kWh	824.66485	76.77857	5287.12432		
Bridgeport WTP Pump Station	Facilities related to the pumping of sewage	21 Carrisbrook Dr	Kitchener	N2E 4G1	2,348.00	Square Feet	168	897.90843	kWh	435,300.0000	kWh	7529.19850	185.39183	486.93931		
Chandler Drive Maintenance Facility	Storage facilities where equipment or vehicles are maintained, repaired or stored	85 Chandler Drive	Kitchener	N2E 3M6	93,488.00	Square Feet	40	1,271,116.0000	kWh	179,979.0000	Cubic Meter	362260.92140	34.05670	0.00000		
Conestoga Blvd Ops Centre	Storage facilities where equipment or vehicles are maintained, repaired or stored	460 Conestoga Blvd	Cambridge	N1R 7L7	49,513.91	Square Feet	40	726,141.0000	kWh	219,071.0000	Cubic Meter	426742.33454	61.68729	0.00000		
Conestoga Golf PS	Facilities related to the pumping of water	386 Golf Course Dr	Conestoga	N0B 1N0	542.50	Square Feet	168	51.59600	kWh	88,102.0000	kWh	1523.38840	162.40000	1707.53547		
Conestoga Plains PS & Reservoir	Facilities related to the pumping of water	1982 Sawmill Rd	Conestoga	N0B 1N0	769.91	Square Feet	168	31.39600	kWh	62,671.0000	kWh	1084.08294	81.40481	2002.52428		
Conestoga Wastewater Plant	Facilities related to the treatment of sewage	420 Golf Course Rd	Conestoga	N0B 1N0	1,209.00	Square Feet	168	15.21359	kWh	84,332.0000	kWh	6009.51413	90.91237	7224.66290		
Doon - Curatorial Centre	Cultural facilities	10 Huron Rd	Kitchener	N2P 2K7	46,663.69	Square Feet	40	830.036.3702	kWh	85,703.02670	Cubic Meter	176390.42540	37.30672	0.00000		
Doon - Maintenance Building	Cultural facilities	10 Huron Rd	Kitchener	N2P 2K7	4,053.50	Square Feet	40	72,102.15113	kWh	7,444.70098	Cubic Meter	15322.75659	37.30672	0.00000		
Doon - Museum	Cultural facilities	10 Huron Rd	Kitchener	N2P 2K7	44,125.00	Square Feet	40	785,768.47815	kWh	81,132.27232	Cubic Meter	166983.08775	37.30672	0.00000		
Elmira Library	Public Libraries	65 Arthur St S	Elmira	N3B 2M6	6,411.13	Square Feet	40	32,623.0000	kWh	18,907.0000	Cubic Meter	36310.39734	36.43077	0.00000		
Elmira Wastewater Plant	Facilities related to the treatment of sewage	80 First St	Elmira	N3B 1G9	14,822.00	Square Feet	168	1645.44600	kWh	1,518,462.0000	kWh	94,030.0000	204042.01249	169.86857	1530.15770	
Guelph House	Ambulance stations and associated offices and facilities	120 Maple Grove Rd	Cambridge	N3H 4R7	21,037.00	Square Feet	40	234,514.91226	kWh	44,420.0000	Cubic Meter	88038.29028	33.58848	0.00000		
Guelph Services - Pinebush	Ambulance stations and associated offices and facilities	465 Pinebush Rd	Cambridge	N1T 214	3,188.00	Square Feet	40	52,738.0000	kWh	14,307.0000	Cubic Meter	27961.46241	64.23764	0.00000		
Guelph Services - St Jacobs	Ambulance stations and associated offices and facilities	30 Parkside Dr	St. Jacobs	N0B 2N0	1,535.00	Square Feet	40	11,483.0000	kWh	4,071.0000	Cubic Meter	7895.37545	35.66689	0.00000		
Guelph Services - Weber & Water	Ambulance stations and associated offices and facilities	100 Weber St W	Kitchener	N2E 3Z7	2,134.00	Square Feet	40	16,285.0000	kWh	5,891.0000	Cubic Meter	11419.38159	36.96965	0.00000		
Guelph Services - Westmount	Ambulance stations and associated offices and facilities	90 Westmount Rd N	Waterloo	N2L 2H4	2,318.00	Square Feet	40	30,851.0000	kWh	14,697.0000	Cubic Meter	28520.20562	60.69346	0.00000		
Erb Station	Facilities related to the pumping of water	590 Erb St W	Waterloo	N2J 3Z4	2,082.60	Square Feet	168	3863.92000	kWh	1,610,996.0000	kWh	27867.00881	773.55037	416.93306		
Firearms Training Facility	Police stations and associated offices and facilities	200 Maple Grove Rd	Cambridge	N3H 4R7	9,576.80	Square Feet	40	178,446.5713	kWh	17,930.0000	Cubic Meter	36985.71093	38.53089	0.00000		
Foxboro Wastewater Plant	Facilities related to the treatment of sewage	87 Foxboro Dr	Baden	N0B 1G0	1,486.00	Square Feet	168	43.73869	kWh	87,286.0000	kWh	167.98387	75.58836	2525.99486		
Foxboro WTP / PS & Reservoir	Facilities related to the treatment of water	87 Foxboro Dr	Baden	N0B 1G0	1,998.83	Square Feet	168	36.33900	kWh	90,125.0000	kWh	7689.00543	62.32830	3428.37405		
G4	Facilities related to the pumping of water	35 Dianne Ave	Cambridge	N1S 3I4	229.03	Square Feet	168	464.79500	kWh	321,604.0000	kWh	5563.10599	1404.20032	691.92655		
G5	Facilities related to the pumping of water	98 Pinebush Rd	Cambridge	N1R 8E1	317.25	Square Feet	168	682.78400	kWh	401,945.0000	kWh	6952.84461	1266.96612	588.48544		
G6	Facilities related to the pumping of water	1058 Franklin Blvd	Cambridge	N1R 8E5	205.44	Square Feet	168	456.97100	kWh	177,787.0000	kWh	3073.82877	864.81231	600.17436		
G9	Facilities related to the pumping of water	55 Egin St	Cambridge	N1R 5G6	330.17	Square Feet	168	0.03500	kWh	25,901.0000	kWh	448.03550	78.44747	740028.57143		
Galt Wastewater Plant	Facilities related to the treatment of sewage	230 Water St. S. R.R. #5	Cambridge	N1R 3C1	30,697.00	Square Feet	168	1079.19534	kWh	8,439.304.0000	kWh	320.770.0000	752439.50338	385.97830	1163.97963	
Guelph Warehouse Plant	Administrative offices and related facilities, including municipal council chambers	77 Queen St N	Kitchener	N2H 2H1	11,753.00	Square Feet	40	88,152.0000	kWh	11,368.63882	Cubic Meter	23018.69509	17.78062	0.00000		
Governor's Residence	Administrative offices and related facilities, including municipal council chambers	73 Queen St N	Kitchener	N2H 2H1	3,340.00	Square Feet	40	25,051.30195	kWh	3,230.76891	Cubic Meter	6541.51634	17.78060	0.00000		
Grand River Transit Operations Centre North	Storage facilities where equipment or vehicles are maintained, repaired or stored	250 Strasburg Rd	Kitchener	N2E 3M6	220,026.20	Square Feet	40	2,094,111.0000	kWh	790,571.0000	Cubic Meter	1530898.81010	47.70397	0.00000		
Greenbrook PS, Reservoir, Treatment Plant	Facilities related to the pumping of water	20 Greenbrook Dr	Kitchener	N2M 2S5	75,242.81	Square Feet	168	2456.21700	kWh	4,390,791.0000	kWh	128443.27075	62.27652	1907.75514		
H5	Facilities related to the pumping of water	189 Hungerford Rd	Cambridge	N1C 2K1	263.85	Square Feet	168	41.81400	kWh	186,134.0000	kWh	3219.74593	703.37365	4451.71554		
Heidelberg Equipment Storage	Storage facilities where equipment or vehicles are maintained, repaired or stored	500 Guelph Ave	Cambridge	N1C 1A8	79.24	Square Feet	168	134.02880	kWh	78,465.0000	kWh	1357.28577	990.28207	585.43737		
Heidelberg Wastewater Plant	Facilities related to the treatment of sewage	2828 Kressler Rd	Heidelberg	N0B 1Y0	5,091.67	Square Feet	40	24,018.46780	kWh	8,916.73538	Cubic Meter	17273.69211	23.32899	0.00000		
Heidelberg WTP / PS & Reservoir	Facilities related to the treatment of water	5 Apen Grove	Heidelberg	N0B 1Y0	1,722.00	Square Feet	168	203.62324	kWh	7,556.0000	kWh	20359.89796	136.24559	11700.25668		
Heidelberg Yard	Storage facilities where equipment or vehicles are maintained, repaired or stored	7 Bevaner Dr	Heidelberg	N0B 1Y0	8,010.34	Square Feet	168	64.30000	kWh	135,769.0000	kWh	2345.52165	15.64923	2111.49300		
Hespeler Wastewater Plant	Facilities related to the treatment of sewage	900 Beverdale Rd	Cambridge	N1C 4B1	3,549.00	Square Feet	168	2442.68827	kWh	2,716,505.0000	kWh	12,964.0000	71500.19192	804.25007	1168.50092	
Highland Health Office	Administrative offices and related facilities, including municipal council chambers	475 Highland Rd W Unit 1	Kitchener	N2C 1E8	21,120.00	Square Feet	40	1,074,843.0000	kWh	1,197,083.0000	kWh	18539.87531	2792.96399	4001.17436		
Joseph Schneider House	Cultural facilities	464-468 Queen Street S	Kitchener	N2G 1W7	10,984.00	Square Feet	40	111,478.0000	kWh	7,564.0000	Cubic Meter	16229.04907	17.46782	0.00000		
K23	Facilities related to the pumping of water	1508 Mannheim Rd	Petersburg	N0B 2H0	390.97	Square Feet	168	785.25000	kWh	374,122.0000	kWh	6471.56236	956.90718	476.43680		
K24	Facilities related to the pumping of water	1024 Wmner Rd/Pr2	Petersburg	N0B 2H0	403.72	Square Feet	168	1033.56300	kWh	382,162.0000	kWh	6610.63828	946.60161	369.75201		
K26	Facilities related to the pumping of water	1139 Mannheim Rd/Rr2	Petersburg	N0B 2H0	384.65	Square Feet	168	29.78.31500	kWh	1,074,843.0000	kWh	18539.87531	2792.96399	4001.17436		
K34 & K36	Facilities related to the treatment of water	163 Biehn Dr	Kitchener	N2R 1M6	2,028.77	Square Feet	168	1161.55500	kWh	659,504.0000	kWh	7,160.0000	24944.98551	362.58368	633.28803	
K50 Diesel Chemical and Generator Bldgs	Facilities related to the pumping of water	2324 Bleams Rd	Kitchener	N2E 3Y1	596.07	Square Feet	168	3255.84400	kWh	1,211,391.0000	kWh	20954.64152	2032.31090	372.06666		
Kitchener Wastewater Plant	Facilities related to the treatment of sewage	368 Mill Park Dr	Kitchener	N2H 2R7	57,109.74	Square Feet	168	25060.56774	kWh	11,445,947.0000	kWh	219,707.0000	61,6375.97750	241.38637	540.78068	
Linwood WTP & PS	Facilities related to the treatment of water	3883 Mansier Rd	Linwood	N0B 2T0	1,856.32	Square Feet	168	89.78400	kWh	66,021.0000	kWh	17928.42720	101.35720	1789.89425		
Mannheim Storage & Pumping	Facilities related to the pumping of water	2056 Ottawa St S	Kitchener	N2G 3W7	88,581.94	Square Feet	168	5268.23800	kWh	4,118,357.0000	kWh	7129.39399	46.42026	781.73329		
Mannheim Water Treatment Plant	Facilities related to the treatment of water	2056 Ottawa St S	Kitchener	N2G 3W7	136,630.54	Square Feet	168	12829.39700	kWh	10,849,552.0000	kWh	595902.89974	94.35197	1004.42981		
Maryhill Grove Voice Radio	Public Libraries	230 Maple Grove Rd	Cambridge	N3H 4R7	1,682.00	Square Feet	40	11,446.0000	kWh	184,412.0000	kWh	677.0000	23,70784	42.70785	0.00000	
Maryhill Heights PS & Reservoir	Facilities related to the pumping of water	24 St Boniface Dr	Maryhill	N0B 2B0	859.60	Square Feet	168	10.64500	kWh	42,109.0000	kWh	768.40148	48.98650	3955.75388		
Maryhill WTP / PS & Reservoir	Facilities related to the treatment of water	52 Islay Dr	Maryhill	N0B 2B0	657.97	Square Feet	168	21.47200	kWh	119,120.0000	Cubic Meter	595902.89974	94.35197	1004.42981		
McDougall Cottage	Cultural facilities	90 Grand Ave S	Cambridge	N1S 2L7	1,511.12	Square Feet	40	6698.25100	kWh	101,955.0000	kWh	3,773.0000	37,730.0000	280.99291	1417.86511	
Midleford PS & Reservoir	Facilities related to the pumping of water	50 Middleton St	New Dundee	N0B 2E0	362.89	Square Feet	168	71.91900	kWh	22,830.0000	Cubic Meter	25.52523	29.52523	909.91292		
Morningside Station	Public Libraries	35 West Morningside Cir.	New Hamburg	N3A 2E6	1,782.00	Square Feet	168	1474.31700	kWh	232,561.0000	kWh	1,176.0000	6246.21753	137.51923	166.21884	
New Dundee Library "New"	Public Libraries	1176 Queen St	New Dundee	N0B 2E0	870.00	Square Feet	40									