Energy Consumption and Greenhouse Gas Emissions Reporting - for 2019

Confirm consecutive 12-mth period (mth-yr to mth-yr)	Jan/2019 - Dec/2019
Sector	**Municipality**
Agency Sub-sector	**Municipal**
Organization Name	City of Waterloo

Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area	Unit	Avg hrs/wk	Annual Flow (ML)	Electricity Quantity	Electricity Unit	Natural Gas Quantity	Natural Gas Unit	Fuel Oil 1 & 2 Quantity	Fuel Oil 1 & 2 Unit	Fuel Oil 4 & 6 Quantity	Fuel Oil 4 & 6 Unit	Propane Quantity	Propane Unit	Coal Quantity	Coal Unit	Wood Quantity	Wood Unit	District Heating Quantity	District Heating Unit	Renewable?	If Yes, enter Emission Factor	District Cooling Quantity	District Cooling Unit	Renewable?	If Yes, enter Emission Factor	GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litre)	Building / Operation Identifier	Comments
404 Wing Rotary Adult Centre - Main Building	Community centres	510 Dutton Drive	Waterloo	N2L 4C6	6,500.00	Square feet	98	0.00000	86,027.04000	kWh	23,141.69400	Cubic Meter																			46,373.81349	51.07259	0.00000		
Adult Recreation Centre (ARC)	Community centres	185 King Street South	Waterloo	N2J 1P7	16,926.00	Square feet	40	0.00000	142,790.42000	kWh	34,440.54500	Cubic Meter																			69,465.47674	30.06126	0.00000		
Albert McCormick Community Centre	Indoor ice rinks	500 Parkside Drive	Waterloo	N2L 5J4	72,997.00	Square feet	133	0.00000	1,357,136.54000	kWh	121,889.37200	Cubic Meter																			271,803.35950	36.33779	0.00000		
Button Factory	Community centres	25 Regina Street South	Waterloo	N2J 1R8	12,180.00	Square feet	46	0.00000	41,171.68000	kWh	18,659.34200	Cubic Meter																			36,532.48039	19.66166	0.00000		
Carnegie Library	Cultural facilities	40 Albert Street	Waterloo	N2L 3S2	7,452.00	Square feet	50	0.00000	11,847.55200	kWh	4,951.40400	Cubic Meter																			9,722.28854	8.65136	0.00000		Leased space.
City of Waterloo Museum	Cultural facilities	550 King Street North	Waterloo	N2L 5W6	4,000.00	Square feet	37.5	0.00000	68,237.28000	kWh																					2,079.39463	17.05932	0.00000		Leased space - natural gas data not available.
Elam Martin Farmstead	Cultural facilities	2002 University Avenue East	Waterloo	N2K 4K4	11,500.00	Square feet	168	0.00000	39,605.44000	kWh																					1,206.89657	3.44395	0.00000		
EMS Building (Old Fire Station #2)	Ambulance stations and associated offices and facilities	90 Westmount Drive	Waterloo	N2L 2R4	5,780.00	Square feet	168	0.00000	24,506.68800	kWh	16,938.56100	Cubic Meter																			32,771.29307	35.38511	0.00000		Leased space
Erbsville Community Centre	Community centres	719 Erbsville Road	Waterloo	N2J 3Z4	5,844.00	Square feet	44	0.00000	25,494.83000	kWh							16,289.10000	Litre													25,878.14643	23.95897	0.00000		Leased space.
Fire Station #1 - Main Building	Fire stations and associated offices and facilities	216 Weber Street North	Waterloo	N2J 3H4	12,670.00	Square feet	168	0.00000	121,145.32000	kWh	22,846.13900	Cubic Meter																			46,885.18858	28.72526	0.00000		
Fire Station #2	Fire stations and associated offices and facilities	470 Columbia Street W.	Waterloo	N2T 2Y6	20,800.00	Square feet	168	0.00000	242,998.39999	kWh	26,946.41000	Cubic Meter																			58,350.50054	25.45091	0.00000		
Fire Station #3	Fire stations and associated offices and facilities	150 Northfield Drive	Waterloo	N2L 6J6	4,932.00	Square feet	168	0.00000	63,436.54400	kWh	17,482.55100	Cubic Meter																			34,986.08475	50.53471	0.00000		
Fire Station #4	Fire stations and associated offices and facilities	911 University Avenue East	Waterloo	N2K 0A6	6,141.00	Square feet	168	0.00000	75,073.24000	kWh	24,446.15600	Cubic Meter																			48,506.26942	54.53209	0.00000		
Hillside Park Optimist Building	Administrative offices and related facilities, including municipal council chambers	352 Marsland Drive	Waterloo	N2J 4N7	1,000.00	Square feet	5	0.00000	12,156.44792	kWh																					370.44344	12.15645	0.00000		Leased space.
Hillside Park Storage Building/Washrooms	Storage facilities where equipment or vehicles are maintained, repaired or stored	352 Marsland Drive	Waterloo	N2J 4N7	3,800.00	Square feet	5	0.00000	46,194.50208	kWh																					1,407.68506	12.15645	0.00000		
John M. Harper District Branch & Stork Family YMCA	Indoor recreational facilities	500 Fischer-Hallman Road North	Waterloo	N2L 0B1	68,422.00	Square feet	113.5	0.00000	1,492,956.87000	kWh	196,000.82800	Cubic Meter																			416,059.33214	52.26404	0.00000		Leased space.
Manulife Financial Soccer & Sport Complex	Indoor sports arenas	185 Bridge Street	Waterloo	N2K 1K9	27,205.00	Square feet	105	0.00000	215,228.85350	kWh	41,875.96800	Cubic Meter																			85,730.50460	24.27044	0.00000		
Moses Springer Community Centre	Indoor ice rinks	150 Lincoln Road	Waterloo	N2J 2P1	44,205.00	Square feet	112	0.00000	490,800.00000	kWh	49,776.95500	Cubic Meter																			109,065.80350	23.07020	0.00000		
Mount Hope Cemetery Equipment Storage	Storage facilities where equipment or vehicles are maintained, repaired or stored	81 Roger Street	Waterloo	N2J 1A4	1,000.00	Square feet	40	0.00000	1,561.87000	kWh	1,855.05600	Cubic Meter																			3,554.81382	21.27699	0.00000		
Parkview Cemetery Offices	Storage facilities where equipment or vehicles are maintained, repaired or stored	335 University Ave. East	Waterloo	N2K 4P4	3,446.00	Square feet	40	0.00000	27,262.58516	kWh	35,419.00147	Cubic Meter																			67,794.89325	117.14679	0.00000		
Parkview Storage 2	Storage facilities where equipment or vehicles are maintained, repaired or stored	335 University Ave. East	Waterloo	N2K 4P4	400.00	Square feet	5	0.00000	3,164.54848	kWh	4,111.31764	Cubic Meter																			7,869.40142	117.14679	0.00000		
Parkview Storage Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	335 University Ave. East	Waterloo	N2K 4P4	1,200.00	Square feet	5	0.00000	9,493.64544	kWh	12,333.95292	Cubic Meter																			23,608.20426	117.14679	0.00000		
Parkview Storage	Storage facilities where equipment or vehicles are maintained, repaired or stored	335 University Ave. East	Waterloo	N2K 4P4	200.00	Square feet	5	0.00000	1,582.27424	kWh	2,055.65882	Cubic Meter																			3,934.70071	117.14679	0.00000		
RIM Park - Manulife Financial Sportsplex	Indoor recreational facilities	2001 University Avenue East	Waterloo	N2K 4K4	320,000.00	Square feet	91	0.00000	5,493,082.17600	kWh	462,423.79700	Cubic Meter																			1,041,661.60920	32.52381	0.00000		
Rink In The Park	Indoor ice rinks	99 Seagram Drive	Waterloo	N2L 3B6	33,779.00	Square feet	112	0.00000	544,230.05000	kWh	50,101.66600	Cubic Meter																			111,307.88480	31.87482	0.00000		
Service Centre - Main Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	265 Lexington Court	Waterloo	N2J 4R9	71,895.00	Square feet	168	0.00000	731,559.32912	kWh	123,086.03600	Cubic Meter																			255,002.59042	28.37041	0.00000		
Service Centre - Oktoberfest Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	265 Lexington Court	Waterloo	N2J 4R9	15,000.00	Square feet	168	0.00000	152,630.78012	kWh																					4,651.11776	10.17539	0.00000		Portions of building are leased.
Service Centre - Parks Portable	Storage facilities where equipment or vehicles are maintained, repaired or stored	265 Lexington Court	Waterloo	N2J 4R9	1,000.00	Square feet	40	0.00000	10,175.38534	kWh																					310.07452	10.17539	0.00000		
Service Centre - Pigeon Coop/Cold Vehicle Storage Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	265 Lexington Court	Waterloo	N2J 4R9	16,600.00	Square feet	168	0.00000	169,114.90437	kWh	2,120.29000	Cubic Meter																			9,162.11600	11.54511	0.00000		New gas meter installed and account in 2019.
Service Centre - Truckwash	Storage facilities where equipment or vehicles are maintained, repaired or stored	265 Lexington Court	Waterloo	N2J 4R9	2,000.00	Square feet	168	0.00000	20,045.50912	kWh	9,381.01300	Cubic Meter																			18,346.84326	59.87241	0.00000		
Uptown Parkade (Willis Way)	Parking garages	60 King Street	Waterloo	N2J 1N8	207,084.00	Square feet	168	0.00000	302,245.41000	kWh	23,607.96400	Cubic Meter																			53,844.17853	2.67112	0.00000		
Waterloo City Centre	Administrative offices and related facilities, including municipal council chambers	100 Regina Street South	Waterloo	N2J 4A8	75,000.00	Square feet	55	0.00000	858,126.51474	kWh	83,754.73400	Cubic Meter																			184,498.65076	23.31004	0.00000		Portions of building are leased.
Waterloo Library (Main Branch)	Public libraries	35 Albert Street	Waterloo	N2L 5E2	35,200.00	Square feet	62	0.00000	299,436.07200	kWh	80,019.62900	Cubic Meter																			160,411.98654	32.66667	0.00000		Leased space.
Waterloo Memorial Recreation Complex - Portable #1	Storage facilities where equipment or vehicles are maintained, repaired or stored	101 Father David Bauer Drive	Waterloo	N2L 6L1	1,000.00	Square feet	5	0.00000	21,175.89409	kWh	1,815.97474	Cubic Meter																			4,078.62389	40.47567	0.00000		
Waterloo Memorial Recreation Complex - Portable #2	Administrative offices and related facilities, including municipal council chambers	101 Father David Bauer Drive	Waterloo	N2L 6L1	1,000.00	Square feet	40	0.00000	21,175.89409	kWh	1,815.97474	Cubic Meter																			4,078.62389	40.47567	0.00000		
Waterloo Memorial Recreation Complex	Indoor ice rinks	101 Father David Bauer Drive	Waterloo	N2L 6L1	181,628.00	Square feet	126	0.00000	3,846,135.29182	kWh	329,831.85953	Cubic Meter																			740,792.29983	40.47567	0.00000		
Waterloo Park - Concrete Bunker	Storage facilities where equipment or vehicles are maintained, repaired or stored	Waterloo Park	Waterloo	N2L	100.00	Square feet	1	0.00000	688.31337	kWh																					20.97497	6.88313	0.00000		
Waterloo Park - Eby Schoolhouse	Cultural facilities	Waterloo Park	Waterloo	N2L	430.00	Square feet	5	0.00000	2,959.74748	kWh	818.93437	Cubic Meter																			1,638.49181	27.12372	0.00000		
Waterloo Park - Former Woodworkers Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	Waterloo Park	Waterloo	N2L	1,112.00	Square feet	1	0.00000	7,654.04466	kWh																					233.24170	6.88313	0.00000		
Waterloo Park - Grist Mill	Cultural facilities	Waterloo Park	Waterloo	N2L	2,080.00	Square feet	8	0.00000	14,316.91806	kWh	3,961.35693	Cubic Meter																			7,925.72782	27.12372	0.00000		
Waterloo Park - Hospitality Centre - Servery	Parking garages	Waterloo Park	Waterloo	N2L	2,800.00	Square feet	91	0.00000	19,272.77432	kWh	5,332.59587	Cubic Meter																			10,669.24898	27.12372	0.00000		
Waterloo Park - Potters Workshop-Erb Farmhouse	Cultural facilities	Waterloo Park	Waterloo	N2L	2,520.00	Square feet	56	0.00000	17,345.49688	kWh	4,799.33628	Cubic Meter																			9,602.32408	27.12372	0.00000		
Waterloo Park - Service Centre	Storage facilities where equipment or vehicles are maintained, repaired or stored	Waterloo Park	Waterloo	N2L	5,982.00	Square feet	56	0.00000	41,174.90570	kWh																					1,254.72290	6.88313	0.00000		
Waterloo Park - Storage Booth	Storage facilities where equipment or vehicles are maintained, repaired or stored	Waterloo Park	Waterloo	N2L	240.00	Square feet	1	0.00000	1,651.95208	kWh																					50.33994	6.88313	0.00000		
Waterloo St. Jacob Railway Station	Cultural facilities	10 Father David Bauer Drive	Waterloo	N2L 6M3	2,400.00	Square feet	42	0.00000	11,202.68000	kWh	2,732.00700	Cubic Meter																			5,506.58547	16.76577	0.00000		