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**Energy Consumption and Greenhouse Gas Emissions Reporting - for 2011**

Confirm consecutive 12-month period (month-year to month-year)

Type of Public Agency (Sector):	Municipal	Please fill in the mandatory fields indicated in red, in addition to submitting data on your energy usage.														
Agency Sub-sector	Municipality															
Organization Name	City of Waterloo															
Operation Name and/or Unique Identifier	Operation Type	Address	City	Postal Code	Total Floor Area of the Indoor Space in which Operation is Conducted	Annual Flow (Mega Litres)	Average # Hours Per Week	Swimming Pool (Y/N)	Number of Portables	Energy Consumption						
										Electricity	Natural Gas	Fuel Oil 1 & 2	Fuel Oil 4 & 6			
404 Wing Rotary Adult Centre - Main Building: Community Centre	Community centres	510 Dutton Drive	Waterloo		4,647.00 Square feet					98			66,573.63692 kWh	12,560.48354 Cubic meter		
404 Wing Rotary Adult Centre - Main Building: Offices	Administrative offices and related facilities, including municipal council chambers	510 Dutton Drive	Waterloo		1,853.00 Square feet					98			26,546.36308 kWh	5,008.51646 Cubic meter		
Adult Recreation Centre (ARC)	Community centres	185 King Street South	Waterloo	N2J 1P7	16,926.00 Square feet					40			199,037.32508 kWh	22,961.28500 Cubic meter		
Albert McCormick Community Centre - Community Centre	Community centres	500 Parkside Drive	Waterloo	N2L 5J4	4,506.00 Square feet					40			97,665.22707 kWh	5,836.16741 Cubic meter		
Albert McCormick Community Centre - Ice Rink	Indoor ice rinks	500 Parkside Drive	Waterloo	N2L 5J4	62,853.76 Square feet					133			1,362,322.84568 kWh	81,408.13708 Cubic meter		
Albert McCormick Community Centre - Library	Public libraries	500 Parkside Drive	Waterloo	N2L 5J4	4,338.98 Square feet					54			94,045.15467 kWh	5,619.84325 Cubic meter		
Albert McCormick Community Centre - Offices	Administrative offices and related facilities, including municipal council chambers	500 Parkside Drive	Waterloo	N2L 5J4	1,298.26 Square feet					40			28,139.11622 kWh	1,681.50526 Cubic meter		
Beaver Creek Pumping Station	Facilities related to the pumping of sewage	325 Laurelwood Drive	Waterloo	N2V 2W7	960.00 Square feet		1185.258			168			123,360.00000 kWh			
Button Factory - Art Gallery	Cultural facilities	25 Regina Street South	Waterloo	N2J 1R8	3,045.00 Square feet					46			7,491.25000 kWh	4,219.37575 Cubic meter		
Button Factory - Community Centre	Community centres	25 Regina Street South	Waterloo	N2J 1R8	9,135.00 Square feet					46			22,473.75000 kWh	12,658.12725 Cubic meter		
Canadian Clay & Glass Gallery - Art Gallery	Art galleries	25 Caroline Street North	Waterloo	N2L 2Y5	11,210.46 Square feet					46			274,179.82545 kWh	26,808.81035 Cubic meter		
Canadian Clay & Glass Gallery - Offices	Administrative offices and related facilities, including municipal council chambers	25 Caroline Street North	Waterloo	N2L 2Y5	4,789.54 Square feet					46			117,140.17455 kWh	11,453.75565 Cubic meter		
Carnegie Library	Administrative offices and related facilities, including municipal council chambers	40 Albert Street	Waterloo	N2L 3S2	7,452.00 Square feet					50			45,923.00000 kWh	9,725.17000 Cubic meter		
City of Waterloo Museum	Cultural facilities	550 King Street North	Waterloo	N2L 6L2	4,000.00 Square feet					38			64,834.00000 kWh			
Colonial Pumping Station	Facilities related to the pumping of sewage	473 Denholm Street	Waterloo	N2K 2S8	340.00 Square feet					168			148,080.00000 kWh			
Elam Martin Farmstead	Cultural facilities	2002 University Avenue East	Waterloo	N2K 4K4	11,500.00 Square feet					168			40,761.00000 kWh			
EMS Building (Old Fire Station #2)	Ambulance stations and associated offices and facilities	90 Westmount Drive	Waterloo	N2L 2R7	5,780.00 Square feet					168			36,123.00000 kWh	13,025.00000 Cubic meter		
Ersbville Community Centre	Community centres	719 Ersbville Road	Waterloo	N2J 3Z4	5,844.00 Square feet					44			27,122.04141 kWh			
Fire Station #1 - Main Building	Fire stations and associated offices and facilities	216 Weber Street North	Waterloo	N2J 2V5	12,670.00 Square feet					168			125,800.00000 kWh	20,236.82100 Cubic meter		
Fire Station #2	Fire stations and associated offices and facilities	470 Columbia Street W.	Waterloo	N2T 2Y6	20,800.00 Square feet					168			313,680.00000 kWh	24,521.21900 Cubic meter		
Fire Station #3	Fire stations and associated offices and facilities	150 Northfield Drive	Waterloo	N2L 6J6	4,932.00 Square feet					168			82,121.00000 kWh	18,784.24300 Cubic meter		
Fire Station #4	Fire stations and associated offices and facilities	911 University Avenue East	Waterloo	N2J 4G8	6,141.00 Square feet					168			73,039.99616 kWh	16,757.86500 Cubic meter		
Frobisher Pumping Station	Facilities related to the pumping of sewage	401 Country Squire Road	Waterloo	N2J 4G8	250.00 Square feet		22.688			168			11,897.00000 kWh			
Grey Silo Maintenance Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	2001 University Ave. East	Waterloo	N2K 4K4	4,300.00 Square feet					126			28,495.00000 kWh	4,388.00000 Cubic meter		
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			12,731.25000 kWh			
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			48,378.75000 kWh			
Waterloo Park - Hospitality Centre - Servery: Parking Garage	Parking garages	Waterloo Park	Waterloo	N2L	550.00 Square feet					91			2,402.85011 kWh	1,097.35441 Cubic meter		
John M. Harper District Branch & Stork Family YMCA - Gym	Gyms and indoor courts for playing tennis, basketball or other sports	500 Fischer-Hallman Road North	Waterloo	N2L 0B1	7,124.00 Square feet					114			20,397.65853 kWh	4,512.39420 Cubic meter		
John M. Harper District Branch & Stork Family YMCA - Indoor Pool	Indoor swimming pools	500 Fischer-Hallman Road North	Waterloo	N2L 0B1	8,124.00 Square feet					114			23,260.88966 kWh	5,145.80158 Cubic meter		
Recreational	Indoor recreational facilities	500 Fischer-Hallman Road North	Waterloo	N2L 0B1	33,481.00 Square feet					114			95,863.84128 kWh	21,207.11261 Cubic meter		
John M. Harper District Branch & Stork Family YMCA - Library	Public libraries	500 Fischer-Hallman Road North	Waterloo	N2L 0B1	19,693.00 Square feet					59			56,385.61053 kWh	12,473.69161 Cubic meter		
Malabar Pumping Station	Facilities related to the pumping of sewage	Malabar At Woolwich	Waterloo	N2K	500.00 Square feet					168			18,596.00000 kWh			
Manulife Financial Soccer & Sport Complex - Arena	Indoor sports arenas	185 Bridge Street	Waterloo	N2K 1K9	24,705.00 Square feet					105			278,953.06168 kWh	26,492.15089 Cubic meter		
Manulife Financial Soccer & Sport Complex - Offices	Administrative offices and related facilities, including municipal council chambers	185 Bridge Street	Waterloo	N2K 1K9	2,500.00 Square feet					105			28,228.40130 kWh	2,680.84911 Cubic meter		
Millennium Pumping Station	Facilities related to the pumping of sewage	2001 University Ave. East	Waterloo	N2K 4K4	675.00 Square feet					168			35,880.00000 kWh			
Moses Springer Community Centre: Ice Rink	Indoor ice rinks	150 Lincoln Road	Waterloo	N2J 2P1	25,329.00 Square feet					112			300,931.37102 kWh	33,072.37984 Cubic meter		
Moses Springer Community Centre: Other Use	Indoor recreational facilities	150 Lincoln Road	Waterloo	N2J 2P1	18,876.00 Square feet					112			224,263.90933 kWh	24,646.62016 Cubic meter		
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			9,865.00000 kWh	1,744.00000 Cubic meter		
Northlands Pumping Station	Facilities related to the pumping of sewage	2401 Country Squire Rd	Waterloo	N2J 4G8	250.00 Square feet					168			14,570.00000 kWh			
Parkview Cemetery Offices	Administrative offices and related facilities, including municipal council chambers	335 University Ave. East	Waterloo	N2K 1T9	1,710.32 Square feet					40				21,708.84498 Cubic meter		
Parkview Cemetery Service Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	335 University Ave. East	Waterloo	N2K 1T9	1,735.68 Square feet					40				22,030.73580 Cubic meter		
Parkview Storage	Storage facilities where equipment or vehicles are maintained, repaired or stored	335 University Ave. East	Waterloo	N2K 1T9	200.00 Square feet					5				2,538.57114 Cubic meter		
Parkview Storage 2	Storage facilities where equipment or vehicles are maintained, repaired or stored	335 University Ave. East	Waterloo	N2K 1T9	400.00 Square feet					5				5,077.14228 Cubic meter		
Parkview Storage Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	335 University Ave. East	Waterloo	N2K 1T9	1,200.00 Square feet					5				15,231.42685 Cubic meter		
RIM Park - Manulife Financial Sportsplex - Gyms	Gyms and indoor courts for playing tennis, basketball or other sports	2001 University Avenue East	Waterloo	N2K 4K4	73,059.00 Square feet					91			1,733,331.16766 kWh	128,886.12161 Cubic meter		
RIM Park - Manulife Financial Sportsplex - Ice Rinks	Indoor ice rinks	2001 University Avenue East	Waterloo	N2K 4K4	94,833.00 Square feet					91			2,249,921.22289 kWh	167,298.45154 Cubic meter		
RIM Park - Manulife Financial Sportsplex - Offices	Administrative offices and related facilities, including municipal council chambers	2001 University Avenue East	Waterloo	N2K 4K4	30,622.00 Square feet					91			726,509.62943 kWh	54,021.41853 Cubic meter		
RIM Park - Manulife Financial Sportsplex - Recreational	Indoor recreational facilities	2001 University Avenue East	Waterloo	N2K 4K4	121,486.00 Square feet					91			2,882,265.98003 kWh	214,318.00833 Cubic meter		
Rink In The Park: Community Centre	Community centres	99 Seagram Drive	Waterloo	N2L 3B6	10,069.00 Square feet					112			180,029.68990 kWh	14,798.41040 Cubic meter		
Rink In The Park: Ice Rink	Indoor ice rinks	99 Seagram Drive	Waterloo	N2L 3B6	23,504.00 Square feet					112			420,242.11256 kWh	34,543.83137 Cubic meter		
Service Centre - Main Building - Offices	Administrative offices and related facilities, including municipal council chambers	265 Lexington Court	Waterloo	N2J 4R9	16,697.16 Square feet					60			168,738.64980 kWh	33,454.25938 Cubic meter		
Service Centre - Main Building - Storage	Storage facilities where equipment or vehicles are maintained, repaired or stored	265 Lexington Court	Waterloo	N2J 4R9	43,194.84 Square feet					60			436,519.68239 kWh	86,544.74062 Cubic meter		
Service Centre - Oktoberfest Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	265 Lexington Court	Waterloo	N2J 4R9	6,000.00 Square feet					168			60,634.97618 kWh			
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			10,105.82936 kWh			
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	6,000.00 Square feet					168			60,634.97618 kWh			
Service Centre - Truckwash	Storage facilities where equipment or vehicles are maintained, repaired or stored	265 Lexington Court	Waterloo	N2J 4R9	4,000.00 Square feet					168			40,423.31745 kWh	6,594.00000 Cubic meter		
Uptown Parkade (Willis Way)	Parking garages	60 King Street	Waterloo	N2J 1N8	207,084.00 Square feet					168			530,100.00000 kWh	22,506.00000 Cubic meter		
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			1,517,620.76440 kWh	84,142.81200 Cubic meter		
Waterloo Library (Main Branch)	Public libraries	35 Albert Street	Waterloo	N2L 5E2	35,200.00 Square feet					62			1,549.00000 kWh	65,376.00000 Cubic meter		
Waterloo Memorial Recreation Complex - Facilities	Indoor recreational facilities	101 Father David Bauer Drive	Waterloo	N2L 6L1	66,168.00 Square feet					126			1,414,123.73733 kWh	153,474.82170 Cubic meter		
Waterloo Memorial Recreation Complex - Ice Rink	Indoor ice rinks	101 Father David Bauer Drive	Waterloo	N2L 6L1	78,306.00 Square feet					126			1,673,533.63220 kWh	181,628.57255 Cubic meter		
Waterloo Memorial Recreation Complex - Offices	Administrative offices and related facilities, including municipal council chambers	101 Father David Bauer Drive	Waterloo	N2L 6L1	3,147.00 Square feet					126			67,256.79182 kWh	7,299.37831 Cubic meter		
Waterloo Memorial Recreation Complex - Portable #1 Storage Offices	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			21,371.71650 kWh	2,319.47198 Cubic meter		
Waterloo Memorial Recreation Complex - Swimming Pool	Administrative offices and related facilities, including municipal council chambers	101 Father David Bauer Drive	Waterloo	N2L 6L1	1,000.00 Square feet					40			21,371.71650 kWh	2,319.47198 Cubic meter		
Waterloo Memorial Recreation Complex - Eby Schoolhouse	Indoor swimming pools	101 Father David Bauer Drive	Waterloo	N2L 6L1	34,007.00 Square feet					126			726,787.96300 kWh	78,878.28349 Cubic meter		
Waterloo Park - Former Woodworkers Building	Cultural facilities	Waterloo Park	Waterloo	N2L	430.00 Square feet					5			1,878.59191 kWh	857.93163 Cubic meter		
Waterloo Park - Grist Mill	Storage facilities where equipment or vehicles are maintained, repaired or stored	Waterloo Park	Waterloo	N2L	1,112.00 Square feet					1			4,858.12605 kWh			
Waterloo Park - Potters Workshop-Erb Farmhouse	Cultural facilities	Waterloo Park	Waterloo	N2L	2,080.00 Square feet					8			9,087.14225 kWh	4,149.99487 Cubic meter		
Waterloo Park - Pump House	Facilities related to the pumping of water	Waterloo Park	Waterloo	N2L	2,520.00 Square feet					56			11,009.42234 kWh	5,027.87840 Cubic meter		
Waterloo Park - Service Centre: Offices	Administrative offices and related facilities, including municipal council chambers	Waterloo Park	Waterloo	N2L	264.00 Square feet					168			1,153.36805 kWh			
Waterloo Park - Service Centre: Storage	Storage facilities where equipment or vehicles are maintained, repaired or stored	Waterloo Park	Waterloo	N2L	1,619.00 Square feet					56			7,073.11697 kWh			
Waterloo Park - Storage Booth	Storage facilities where equipment or vehicles are maintained, repaired or stored	Waterloo Park	Waterloo	N2L	1,990.00 Square feet					56			8,693.94860 kWh			



Energy Type and Amount Purchased and Consumed in Natural Units						Total							
Propane	Coal	Wood	District Heating	Renewable?	If Yes, enter Emission Factor	District Cooling	Renewable?	If Yes, enter Emission Factor	GHG Emissions (Kg)	Energy intensity (ekWh/sqft)	Energy intensity (GJ/m2)	Energy intensity (ekWh/Mega Litres)	Energy intensity (GJ/Mega Litres)
									30,274.06867	43.05222	1.668331435		
									12,071.84189	43.05222	1.668331435		
									62,924.84473	26.17658	1.014377616		
									20,609.11454	35.43957	1.373331145		
									287,474.55378	35.43957	1.373331145		
									19,845.21434	35.43957	1.373331145		
									5,937.85820	35.43957	1.373331145		
									12,094.21440	128.50000	4.979547861	0.374682977	104.0786057
									8,711.70787	17.18681	0.66601203		
									26,135.12360	17.18681	0.66601203		
									77,566.05078	49.87288	1.932641122		
									33,139.20239	49.87288	1.932641122		
									22,888.95990	20.03220	0.776274656		
									6,356.32536	16.20850	0.628101179		
									14,517.76320	435.52941	16.87735059	0.316415512	87.8931986
									3,996.20844	3.54443	0.137351616		
									28,166.91560	30.19893	1.170249103		
									30,027.70532	25.96606	1.006219858		
									50,593.71218	26.90390	1.042562394		
									77,113.66591	27.60991	1.069921043		
									43,565.13983	57.12809	2.213790511		
									38,843.71325	40.89543	1.584753098		
									1,166.38188	47.58800	1.844099016	1.887746811	524.3741185
									11,089.72108	17.47202	0.677064308		
									1,248.17175	12.73125	0.493353064		
									4,743.05265	12.73125	0.493353064		
									2,310.26331	25.57325	0.990997948		
									10,531.04075	9.59494	0.371816991		
									12,009.28903	9.59494	0.371816991		
									49,493.23069	9.59494	0.371816991		
									29,111.14339	9.59494	0.371816991		
									1,823.15184	37.19200	1.441240032	0.138307353	38.41870939
									77,435.33393	22.68795	0.879188507		
									7,835.99817	22.68795	0.879188507		
									3,517.67520	53.15556	2.059849284	1.748277668	485.6326895
									92,030.84590	25.75772	0.998146281		
									68,584.39920	25.75772	0.998146281		
									4,264.41809	28.39984	1.100532182		
									1,428.44280	58.28000	2.2584284	0.965913478	268.3093015
									41,043.32845	134.89684	5.22743444		
									41,651.90393	134.89684	5.22743444		
									4,799.49114	134.89684	5.22743444		
									9,598.98228	134.89684	5.22743444		
									28,796.94685	134.89684	5.22743444		
									413,611.36912	42.47395	1.645922659		
									536,881.24623	42.47395	1.645922659		
									173,361.35651	42.47395	1.645922659		
									687,772.76981	42.47395	1.645922659		
									45,628.38506	33.49924	1.298140848		
									106,510.03700	33.49924	1.298140848		
									79,792.66328	31.39953	1.216774284		
									206,420.21298	31.39953	1.216774284		
									5,944.65306	10.10583	0.391614482		
									990.77551	10.10583	0.391614482		
									5,944.65306	10.10583	0.391614482		
									16,429.89648	27.62572	1.070533858		
									94,521.45526	3.71486	0.143955953		
									307,870.21196	32.15829	1.246177064		
									123,753.49471	19.78269	0.766605759		
									428,804.33294	46.02255	1.783435701		
									507,465.12053	46.02255	1.783435701		
									20,394.25758	46.02255	1.783435701		
									6,480.53943	46.02255	1.783435701		
									6,480.53943	46.02255	1.783435701		
									220,383.70436	46.02255	1.783435701		
									1,806.20586	25.57325	0.990997948		
									476.29068	4.36882	0.16929759		
									8,736.99578	25.57325	0.990997948		
									10,585.20642	25.57325	0.990997948		
									113.07620	4.36882	0.16929759	4.152124965	1153.368055
									693.44839	4.36882	0.16929759		
									852.35472	4.36882	0.16929759		
									102.79655	4.36882	0.16929759		
									6,449.26992	18.03134	0.698738785		

17,726.00000 Litres