

SUMMARY OF ENERGY CONSUMPTION AND GHG EMISSIONS BY FACILITY - 2013

Facility Name/Type		Address (Pembroke ON)	Total Area (m2)	Average Hours/Week	Annual Flow (Mega Litres)	Fuel Type	Consumption	Total		
								GHG Emissions (Kg)	Energy Intensity (ekWh/ft ²)	Energy Intensity (ekWh/Mega L)
City Hall	Pembroke City Hall - Municipal Offices	1 Pembroke Street East	856	65	---	Electricity	213,202 kWh	16,205.91	23.14	---
Community Buildings	Pembroke Public Library	237 Victoria Street	975	60	---	Electricity	156,181 kWh	24,406.49	21.60	---
						Natural Gas	6,630 m ³			
	Victoria Hall - Senior Citizen's Drop In & Activity Centre	42 Renfrew Street	371	30	---	Electricity	2,176 kWh	44,039.29	62.30	---
						Natural Gas	23,206 m ³			
Fire Department	Pembroke Fire Department - Fire Station and Offices	273 Victoria	622	168 (24 hr facility)	---	Electricity	56,638 kWh	19,479.34	21.20	---
						Natural Gas	8,026 m ³			
	Pembroke Fire Department - Annex	224 Victoria	167	168 (24 hr facility)	---	Electricity	6,754 kWh	4,479.36	12.45	---
						Oil	1,450 Litres			
Operations Department	Operations Department - Administration Offices	460 River Rd	492	65	---	Electricity	76,208 kWh	14,618.17	23.76	---
						Natural Gas	4,668 m ³			
	Operations Department - Garage #1	470 River Rd	445	40	---	Electricity	42,672 kWh	26,566.36	36.28	---
						Natural Gas	12,336 m ³			
	Operations Department - Garage #2 (George)	442 River Rd	538	40	---	Electricity	47,312 kWh	25,542.68	29.47	---
Natural Gas						11,608 m ³				
Garage WTP - Small Equipment Storage	9 Riverside Drive	66	40	---	Electricity	5,571 kWh	423.46	7.84	---	

Facility Name/Type	Address (Pembroke ON)	Total Area (m2)	Average Hours/Week	Annual Flow (Mega Litres)	Fuel Type	Consumption	Totals		
							GHG Emissions (Kg)	Energy Intensity (ekWh/ft ²)	Energy Intensity (ekWh/Mega L)
Crandall Street Lift Station	7 Crandall Street (behind Taco Bell)	6	168 (24 hr facility)	49.85	Electricity	4,098 kWh	311.50	63.45	82.21
Draper Street Lift Station	486 Draper Street (Temporary LS)	2	168 (24 hr facility)	8.01	Electricity	9,176 kWh	697.49	426.24	1145.58
Mackay Street Lift Station	4 Nelson Street (behind City Hall)	225	168 (24 hr facility)	1,622.06	Electricity	204,701 kWh	15,559.73	84.52	126.20
Marina Lift Station	11 Albert Street (entrance to Marina)	20	168 (24 hr facility)	1.49	Electricity	69 kWh	5.24	0.32	46.22
Moffat Street Lift Station	689 Moffat Street	10	168 (24 hr facility)	30.09	Electricity	3,244 kWh	246.58	30.14	107.80
McGee Street Lift Station	435 Munro Street	44	168 (24 hr facility)	838.32	Electricity	66,637 kWh	5,065.21	140.70	79.49
Pembroke Place Lift Station (Supples Landing)	199 Joseph	6	168 (24 hr facility)	8.84	Electricity	2,294 kWh	174.37	35.52	259.64
Townline Lift Station	10 Paul Martin Dr	423	168 (24 hr facility)	2,005.66	Electricity	249,841 kWh	63,605.93	109.95	249.61
					Natural Gas	23,598 m ³			

Operations ~ Sewage Pumping Stations

Facility Name/Type		Address (Pembroke ON)	Total Area (m2)	Average Hours/Week	Annual Flow (Mega Litres)	Fuel Type	Consumption	Totals		
								GHG Emissions (Kg)	Energy Intensity (ekWh/ft ²)	Energy Intensity (ekWh/Mega L)
Parks & Facilities	Kinsmen Pool	400 Herbert Street	929	90	---	Electricity	230,241 kWh	154,337.10	99.95	---
						Natural Gas	72,376 m ³			
	Kiwanis Field House	961 Pembroke St W (Riverside Park)	325	40	---	Electricity	63,024 kWh	4,790.58	18.02	---
	Pembroke Memorial Centre (PMC Arena)	393 Pembroke St W	4,180	94	---	Electricity	703,450 kWh	316,933.30	48.55	---
						Natural Gas	139,352 m ³			
	Pembroke & Area Community Centre - PACC (Pem Ice 2)	40 Bennett Street	3,809	74	---	Electricity	672,215 kWh	122,032.73	26.12	---
						Natural Gas	37,520 m ³			
Riverside Park Service Building & Beach House (& Lift Station)	Riverside Park	310	168 (24 hr facility)	---	Electricity	146,278 kWh	11,118.88	43.84	---	
Rotary Park Fieldhouse	300 James Street	148	40	---	Electricity	7,160 kWh	7,817.49	30.16	---	
					Natural Gas	3,847 m ³				
Police Services	Pembroke Police Station	169 William Street	361	168 (24 hr facility)	---	Electricity	125,770 kWh	41,536.20	78.62	---
						Natural Gas	16,913 m ³			
Wastewater Treatment	Pollution Control Centre	98 Rankin Street	5,869	168 (24 hr facility)	5,667.17	Electricity	1,697,747 kWh	382,001.80	49.38	550.48
						Natural Gas	133,793 m ³			

Facility Name/Type	Address (Pembroke ON)	Total Area (m2)	Average Hours/Week	Annual Flow (Mega Litres)	Fuel Type	Consumption	Totals		
							GHG Emissions (Kg)	Energy Intensity (ekWh/ft ²)	Energy Intensity (ekWh/Mega L)
Water Treatment Plant - Treatment Facility & Admin Offices (& 9 Riverside Dr LS)	1 Riverside Drive	768	168 (24 hr facility)	2,804.28	Electricity	1,171,125 kWh	179,034.20	202.88	598.06
					Natural Gas	47,611 m ³			
Water Treatment Plant - Bell Street Elevated Tower (Re-Chlorination & Monitoring)	Bell Street	26	168 (24 hr facility)	173.79	Electricity	16,365 kWh	1,243.94	58.48	94.17
Water Treatment Plant - Quarry Rd Reservoir (& Re-Chlorination Station)	290 Quarry Rd	139	168 (24 hr facility)	---	Electricity	144,508 kWh	10,984.34	96.58	---
Totals	2013 Facilities				Electricity	6,124,657 kWh	1,493,257.66		
					Natural Gas	541,484 m ³			
					Oil	1,450 Litres			