

SUMMARY OF ENERGY CONSUMPTION AND GHG EMISSIONS BY FACILITY - 2014

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	218,866 kWh	8,757.05	23.75	---
Community Buildings	Pembroke Public Library	237 Victoria Street	975	60	---	Electricity	150,575 kWh	24,106.61	24.03	---
						Natural Gas	9,564 m ³			
	Victoria Hall - Senior Citizen's Drop In & Activity Centre	42 Renfrew Street	371	30	---	Electricity	2,182 kWh	24,293.00	34.62	---
						Natural Gas	12,803 m ³			
Fire Department	Pembroke Fire Department - Fire Station and Offices	273 Victoria	622	168 (24 hr facility)	---	Electricity	56,352 kWh	18,837.39	22.34	---
						Natural Gas	8,771 m ³			
	Pembroke Fire Department - Annex	224 Victoria	167	168 (24 hr facility)	---	Electricity	7,381 kWh	5,041.36	14.51	---
						Oil	1,735 Litres			
Operations Department	Operations Department - Administration Offices	460 River Rd	492	65	---	Electricity	84,360 kWh	19,029.72	32.55	---
						Natural Gas	8,280 m ³			
	Operations Department - Garage #1	470 River Rd	445	40	---	Electricity	40,796 kWh	26,726.58	37.97	---
						Natural Gas	13,273 m ³			
	Operations Department - Garage #2 (George)	442 River Rd	538	40	---	Electricity	38,621 kWh	30,216.62	34.50	---
						Natural Gas	15,165 m ³			
Garage WTP - Small Equipment Storage	9 Riverside Drive	66	40	---	Electricity	10,969 kWh	438.88	15.44	---	

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)	40.97	Electricity	4,467 kWh	178.73	---	109.03
Draper Street Lift Station	486 Draper Street (Temporary LS)	2	168 (24 hr facility)	8.57	Electricity	9,653 kWh	386.23	---	1125.85
Mackay Street Lift Station	4 Nelson Street (behind City Hall)	225	168 (24 hr facility)	1,622.06	Electricity	210,669 kWh	8,429.08	---	129.88
Marina Lift Station	11 Albert Street (entrance to Marina)	20	168 (24 hr facility)	1.33	Electricity	59 kWh	2.36	---	44.53
Moffat Street Lift Station	689 Moffat Street	10	168 (24 hr facility)	30.23	Electricity	3,448 kWh	137.96	---	114.04
McGee Street Lift Station	435 Munro Street	44	168 (24 hr facility)	847.73	Electricity	55,948 kWh	2,238.54	---	66.00
Pembroke Place Lift Station (Supples Landing)	199 Joseph	6	168 (24 hr facility)	9.24	Electricity	2,233 kWh	89.34	---	241.76
Townline Lift Station	10 Paul Martin Dr	423	168 (24 hr facility)	1,268.27	Electricity	253,957 kWh	78,960.99	---	505.18
					Natural Gas	36,390 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	233,968 kWh	143,990.95	99.08	---
						Natural Gas	71,209 m ³			
	Kiwanis Field House	961 Pembroke St W (Riverside Park)	325	40	---	Electricity	74,620 kWh	2,985.62	21.33	---
	Pembroke Memorial Centre (PMC Arena)	393 Pembroke St W	4,180	94	---	Electricity	767,561 kWh	312,389.73	52.25	---
						Natural Gas	148,987 m ³			
	Pembroke & Area Community Centre - PACC (Pem Ice 2)	40 Bennett Street	3,809	74	---	Electricity	692,989 kWh	93,002.97	25.85	---
						Natural Gas	34,526 m ³			
Riverside Park Service Building & Beach House (& Lift Station)	Riverside Park	310	168 (24 hr facility)	---	Electricity	154,626 kWh	6,186.74	46.34	---	
Rotary Park Fieldhouse	300 James Street	148	40	---	Electricity	7,743 kWh	6,533.75	26.82	---	
					Natural Gas	3,292 m ³				
Police Services	OPP Station	77 International Drive	1,581	168 (24 hr facility)	---	Electricity	26,446 kWh	4,638.98	2.74	---
						Natural Gas	1,894 m ³			
Pembroke Police Station	169 William Street	361	168 (24 hr facility)	---	Electricity	117,085 kWh	53,067.72	100.12	---	
					Natural Gas	25,591 m ³				
Wastewater Treatment	Pollution Control Centre	98 Rankin Street	5,869	168 (24 hr facility)	5,604.03	Electricity	1,667,298 kWh	253,579.83	---	484.96
						Natural Gas	98,840 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	Water Treatment Plant - Treatment Facility & Admin Offices (& 9 Riverside Dr LS)	1 Riverside Drive	768	168 (24 hr facility)	2,668.42	Electricity	1,138,231 kWh	141,436.25	---	628.57
						Natural Gas	50,721 m ³			
	Water Treatment Plant - Bell Street Elevated Tower (Re-Chlorination & Monitoring)	Bell Street	26	168 (24 hr facility)	---	Electricity	15,669 kWh	626.93	55.99	---
	Water Treatment Plant - Quarry Rd Reservoir (& Re-Chlorination Station)	290 Quarry Rd	139	168 (24 hr facility)	---	Electricity	122,936 kWh	4,918.79	82.17	---
Totals	2014 Facilities					Electricity	6,169,708 kWh	1,218,160.99		
						Natural Gas	539,306 m ³			
						Oil	1,735 Litres			

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)
Streetlights	Streetlights - Crosswalks (5)	---	---	168 (24 hr)	---	Electricity	3,772 kWh	150.90	754.31	---
	Streetlights - Traffic & Caution (25)	--	---	168 (24)	---	Electricity	50,269 kWh	2,011.31	2010.76	---
	Streetlights (1907)	---	---	84 (ave 12/day)	---	Electricity	1,904,125 kWh	76,185.95	998.49	---
Totals	2014 Streetlights					Electricity	1,958,166 kWh	78,348.16		