

**SUMMARY OF ENERGY CONSUMPTION AND GHG EMISSIONS BY FACILITY - 2016**

	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 <sup>2</sup> )	Energy Intensity (ekWh/Mega L)
<b>City Hall</b>	Pembroke City Hall - Municipal Offices	1 Pembroke Street East	856	65	---	Electricity	197,842 kWh	7,032.89	21.47	---
<b>Community Buildings</b>	Pembroke Public Library	237 Victoria Street	975	60	---	Electricity	159,920 kWh	34,051.80	30.43	---
						Natural Gas	15,004 m <sup>3</sup>			
	Victoria Hall - Senior Citizen's Drop In & Activity Centre	42 Renfrew Street	371	30	---	Electricity	2,183 kWh	28,501.29	40.56	---
						Natural Gas	15,034 m <sup>3</sup>			
<b>Fire Department</b>	Pembroke Fire Department - Fire Station and Offices	273 Victoria	622	168 (24 hr facility)	---	Electricity	56,869 kWh	16,102.97	20.32	---
						Natural Gas	7,448 m <sup>3</sup>			
	Pembroke Fire Department - Annex	224 Victoria	167	168 (24 hr facility)	---	Electricity	8,185 kWh	5,006.37	14.89	---
						Oil	1,724 Litres			
<b>Operations Department</b>	Operations Department - Administration Offices	460 River Rd	492	65	---	Electricity	76,525 kWh	14,960.23	27.44	---
						Natural Gas	6,474 m <sup>3</sup>			
	Operations Department - Garage #1	470 River Rd	445	40	---	Electricity	40,959 kWh	19,624.94	29.87	---
						Natural Gas	9,610 m <sup>3</sup>			
	Operations Department - Garage #2 (George)	442 River Rd	538	40	---	Electricity	38,269 kWh	24,042.24	28.63	---
						Natural Gas	11,997 m <sup>3</sup>			
Garage WTP - Small Equipment Storage	9 Riverside Drive	66	40	---	Electricity	10,286 kWh	365.65	14.48	---	

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Crandall Street Lift Station	7 Crandall Street (behind Taco Bell)	6	168 (24 hr facility)	41.84	Electricity	4,620 kWh	164.23	---	110.42
Draper Street Lift Station	486 Draper Street (Temporary LS)	2	168 (24 hr facility)	10.21	Electricity	9,954 kWh	353.84	---	974.66
Mackay Street Lift Station	4 Nelson Street (behind City Hall)	225	168 (24 hr facility)	1,881.87	Electricity	223,922 kWh	7,959.98	---	118.99
Marina Lift Station	11 Albert Street (entrance to Marina)	20	168 (24 hr facility)	1.31	Electricity	60 kWh	2.13	---	45.92
Moffat Street Lift Station	689 Moffat Street	10	168 (24 hr facility)	20.63	Electricity	2,903 kWh	103.20	---	140.69
McGee Street Lift Station	435 Munro Street	44	168 (24 hr facility)	639.01	Electricity	43,622 kWh	1,550.67	---	68.26
Pembroke Place Lift Station (Supples Landing)	199 Joseph	6	168 (24 hr facility)	8.74	Electricity	2,340 kWh	83.18	---	267.89
Townline Lift Station	10 Paul Martin Dr	423	168 (24 hr facility)	2,537.43	Electricity	257,607 kWh	47,142.00	---	185.67
					Natural Gas	20,091 m <sup>3</sup>			

Operations ~ Sewage Pumping Stations

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Parks & Facilities	Kinsmen Pool	400 Herbert Street	929	90	---	Electricity	224,752 kWh	160,759.71	108.36	---
						Natural Gas	80,804 m <sup>3</sup>			
	Kiwanis Field House	961 Pembroke St W (Riverside Park)	325	40	---	Electricity	69,231 kWh	2,461.02	19.79	---
	Pembroke Memorial Centre (PMC Arena)	393 Pembroke St W	4,180	94	---	Electricity	762,465 kWh	293,071.84	50.18	---
						Natural Gas	140,677 m <sup>3</sup>			
	Pembroke & Area Community Centre - PACC (Pem Ice 2)	40 Bennett Street	3,809	74	---	Electricity	642,015 kWh	86,519.46	24.39	---
						Natural Gas	33,691 m <sup>3</sup>			
Riverside Park Service Building & Beach House (& Lift Station)	Riverside Park	310	168 (24 hr facility)	---	Electricity	124,260 kWh	4,417.19	37.24	---	
Rotary Park Fieldhouse	300 James Street	148	40	---	Electricity	7,723 kWh	7,540.22	30.49	---	
					Natural Gas	3,843 m <sup>3</sup>				
Police Services	OPP Station	77 International Drive	1,581	168 (24 hr facility)	---	Electricity	293,592 kWh	67,049.54	35.95	---
						Natural Gas	29,944 m <sup>3</sup>			
	Pembroke Police Station	169 William Street	361	168 (24 hr facility)	---	Electricity	5,133 kWh	9949.45	15.45	---
						Natural Gas	5,166 m <sup>3</sup>			
Wastewater Treatment	Pollution Control Centre	98 Rankin Street	5,869	168 (24 hr facility)	4,625.62	Electricity	1,633,219 kWh	257,503.69	---	595.46
						Natural Gas	105,492 m <sup>3</sup>			

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Water Treatment	Water Treatment Plant - Treatment Facility & Admin Offices (& 9 Riverside Dr LS)	1 Riverside Drive	768	168 (24 hr facility)	2,968.82	Electricity	1,224,791 kWh	116,605.93	---	550.90
						Natural Gas	38,647 m <sup>3</sup>			
	Water Treatment Plant - Bell Street Elevated Tower (Re-Chlorination & Monitoring)	Bell Street	26	168 (24 hr facility)	---	Electricity	13,278 kWh	472.01	47.44	---
Water Treatment Plant - Quarry Rd Reservoir (& Re-Chlorination Station)	290 Quarry Rd	139	168 (24 hr facility)	---	Electricity	126,199 kWh	4,486.12	84.35	---	
Totals	2016 Facilities					Electricity	6,262,724 kWh	1,217,883.79		
						Natural Gas	523,922 m <sup>3</sup>			
						Oil	1,724 Litres			

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Streetlights	Streetlights - Crosswalks (5)	---	---	168 (24 hr)	---	Electricity	4,128 kWh	146.73	825.54	---
	Streetlights - Traffic & Caution (25)	--	---	168 (24)	---	Electricity	54,604 kWh	1,941.07	2100.16	---
	Streetlights (1907)	---	---	84 (ave 12/day)	---	Electricity	1,397,964 kWh	49,694.82	736.55	---
Totals	2016 Streetlights					Electricity	1,456,696 kWh	51,782.62		