

SUMMARY OF ENERGY CONSUMPTION AND GHG EMISSIONS BY FACILITY - 2015

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	214,847 kWh	8,711.62	23.32	---
Community Buildings	Pembroke Public Library	237 Victoria Street	975	60	---	Electricity	149,880 kWh	23,221.54	23.46	---
						Natural Gas	9,068 m ³			
	Victoria Hall - Senior Citizen's Drop In & Activity Centre	42 Renfrew Street	371	30	---	Electricity	2,539 kWh	32,756.01	46.60	---
						Natural Gas	17,271 m ³			
Fire Department	Pembroke Fire Department - Fire Station and Offices	273 Victoria	622	168 (24 hr facility)	---	Electricity	56,297 kWh	19,260.56	22.66	---
						Natural Gas	8,980 m ³			
	Pembroke Fire Department - Annex	224 Victoria	167	168 (24 hr facility)	---	Electricity	7,939 kWh	5,710.17	16.23	---
						Oil	1,970 Litres			
Operations Department	Operations Department - Administration Offices	460 River Rd	492	65	---	Electricity	78,346 kWh	15,671.93	28.06	---
						Natural Gas	6,609 m ³			
	Operations Department - Garage #1	470 River Rd	445	40	---	Electricity	43,969 kWh	23,042.96	34.13	---
						Natural Gas	11,245 m ³			
	Operations Department - Garage #2 (George)	442 River Rd	538	40	---	Electricity	36,415 kWh	27,765.72	31.81	---
						Natural Gas	13,905 m ³			
Garage WTP - Small Equipment Storage	9 Riverside Drive	66	40	---	Electricity	12,802 kWh	519.10	18.02	---	

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Crandall Street Lift Station	7 Crandall Street (behind Taco Bell)	6	168 (24 hr facility)	41.95	Electricity	4,640 kWh	188.14	---	110.60
Draper Street Lift Station	486 Draper Street (Temporary LS)	2	168 (24 hr facility)	8.34	Electricity	9,008 kWh	365.26	---	1080.16
Mackay Street Lift Station	4 Nelson Street (behind City Hall)	225	168 (24 hr facility)	1,421.87	Electricity	193,146 kWh	7,831.68	---	135.84
Marina Lift Station	11 Albert Street (entrance to Marina)	20	168 (24 hr facility)	1.51	Electricity	70 kWh	2.84	---	46.36
Moffat Street Lift Station	689 Moffat Street	10	168 (24 hr facility)	25.28	Electricity	3,544 kWh	143.70	---	140.19
McGee Street Lift Station	435 Munro Street	44	168 (24 hr facility)	622.28	Electricity	38,858 kWh	1,575.61	---	62.44
Pembroke Place Lift Station (Supples Landing)	199 Joseph	6	168 (24 hr facility)	7.84	Electricity	2,252 kWh	91.31	---	287.09
Townline Lift Station	10 Paul Martin Dr	423	168 (24 hr facility)	2,026.47	Electricity	219,642 kWh	58,173.89	---	245.05
					Natural Gas	26,059 m ³			

Operations ~ Sewage Pumping Stations

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Parks & Facilities	Kinsmen Pool	400 Herbert Street	929	90	---	Electricity	231,816 kWh	150,183.32	102.32	---
						Natural Gas	74,464 m ³			
	Kiwanis Field House	961 Pembroke St W (Riverside Park)	325	40	---	Electricity	82,764 kWh	3,355.91	23.66	---
	Pembroke Memorial Centre (PMC Arena)	393 Pembroke St W	4,180	94	---	Electricity	760,011 kWh	316,583.31	52.59	---
						Natural Gas	151,149 m ³			
	Pembroke & Area Community Centre - PACC (Pem Ice 2)	40 Bennett Street	3,809	74	---	Electricity	679,315 kWh	91,274.12	25.31	---
						Natural Gas	33,708 m ³			
Riverside Park Service Building & Beach House (& Lift Station)	Riverside Park	310	168 (24 hr facility)	---	Electricity	148,387 kWh	6,016.80	44.47	---	
Rotary Park Fieldhouse	300 James Street	148	40	---	Electricity	7,391 kWh	7,618.31	30.46	---	
					Natural Gas	3,871 m ³				
Police Services	OPP Station	77 International Drive	1,581	168 (24 hr facility)	---	Electricity	297,566 kWh	89,233.54	42.98	---
						Natural Gas	40,816 m ³			
Pembroke Police Station	169 William Street	361	168 (24 hr facility)	---	Electricity	40,559 kWh	45,028.80	73.20	---	
					Natural Gas	22,947 m ³				
Wastewater Treatment	Pollution Control Centre	98 Rankin Street	5,869	168 (24 hr facility)	4,909.41	Electricity	1,673,814 kWh	298,509.29	---	605.02
						Natural Gas	121,991 m ³			

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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)	2,830.60	Electricity	1,182,032 kWh	121,952.75	---	564.59
						Natural Gas	39,153 m ³			
	Water Treatment Plant - Bell Street Elevated Tower (Re-Chlorination & Monitoring)	Bell Street	26	168 (24 hr facility)	---	Electricity	13,544 kWh	549.18	48.40	---
	Water Treatment Plant - Quarry Rd Reservoir (& Re-Chlorination Station)	290 Quarry Rd	139	168 (24 hr facility)	---	Electricity	124,408 kWh	5,044.50	83.15	---
Totals	2014 Facilities					Electricity	6,315,801 kWh	1,360,381.88		
						Natural Gas	581,236 m ³			
						Oil	1,970 Litres			

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Streetlights	Streetlights - Crosswalks (5)	---	---	168 (24 hr)	---	Electricity	4,114 kWh	166.81	822.80	---
	Streetlights - Traffic & Caution (25)	--	---	168 (24)	---	Electricity	54,428 kWh	2,206.95	2177.12	---
	Streetlights (1907)	---	---	84 (ave 12/day)	---	Electricity	1,893,188 kWh	76,764.99	992.76	---
Totals	2014 Streetlights					Electricity	1,951,730 kWh	79,138.75		