

Municipal Facilities Energy Consumption 2017		Electricity kWh	Fuel Oil (L)	Propane (L)	Equivalent kWh Propane / Oil (ekWh) *	Total Emissions (kg CO2) 2017	Total Emissions (kg CO2) with Heat Pumps **
Facility							
Admin Municipal Office		36,741		6,609	46792	11,119	1,864
Community Centre		54,831	12,697		126970	35,474	3,668
Arena		253,680				7,864	7,864
Public Works Shed		21,941		13,956	98808	21,754	2,212
Storage Shed		430				13	13
Public Works Storage Shed/Garage		8,632		15,726	111340	24,014	1,993
Fire Hall and Offices		19,681		4,291	30380	7,090	1,081
Library		15,420				478	478
Public Works Shed		2,738		2,380	16850	3,679	346
Water Low Lift Pumping Station		43,080				1,335	1,335
Water Treatment Plant		125,760		11,790	83473	21,701	5,192
Museum		3,703				115	115
Rotary Hall		12,845		3,569	25269	5,787	790
Community Centre and Small Water System		113,600				3,522	3,522
Fire Hall		9,464		6,184	43783	9,631	972
Sewer Pump Lift Station		46,603				1,445	1,445
Library		31,327				971	971
Sewer Aerator Building		170,340				5,281	5,281
Public Works Shed		11,249	4,999		49990	13,646	1,124
Meeting Place		52,107				1,615	1,615
Water Treatment Plant		47,280				1,466	1,466
Total		1,081,452	17,696	64,505	633655		
Facilities Emissions totals 2017		33,525	47,071	97,403		177,999	43,347
Municipal Vehicles Energy Consumption 2020		Diesel (l)	Gasoline (l)				
Dyed diesel (non taxed)		53002				140985	
Clear diesel (taxed)		68160				181306	
			19818			45581	
Fleet Emissions 2020						367872	
Total						545871	

* **Equivalent kWh Propane/Oil** shows the heating energy equivalent in kWh for Oil and Propane systems.

** **All Emissions With Heat Pumps** shows a conservative estimate of the emissions reduction if heat pumps replace propane and oil heating. We used a heat pump efficiency (COP) rating of 2.0, a conservative value, which means that for every kWh input the heat pump delivers 2 kWh heat output. This column doesn't show electric heating changed to heat pumps since we don't know enough about some of the facilities that use electric heat.

CO2 Emission factor	
Electricity (using 2018 emission data)	0.031 kg/kWh
Fuel Oil	2.66 kg/l
Propane	1.51 kg/l
Gasoline	2.3 kg/l
kWh/l propane	7.08
kWh/l fuel oil	10