

**Energy Consumption Summary**  
**Township of Selwyn**

**2017**

Note : Conversion factors for ekWh and GHG emissions for 2017 still need to be verified. These are currently 2016 factors.

Facility	Electricity kWh	Natural Gas m3	Furnace Oil litres	Propane litres	Energy ekWh	Building Area m2	Energy Intensity ekWh/m2	GHG Emissions CO2e Tonne
Bridgenorth Fire Hall	23681	3916			65299	542	120	8.2455
Lakefield Fire Hall	10000	6081			74627	354	211	11.8524
Youngs Point Fire Hall	9561			4256	39483	261	151	6.8983
Curve Lake Fire Hall	4316			3596	29598	187	158	5.6948
Ennismore Fire Hall	14817	6017			78764	410	192	11.9026
Slater's Hall Storage	30				30			0.0011
Gore St Well Shed	5626				5626	3	1650	0.2000
<b>Total Fire Dept</b>	<b>68,031</b>	<b>16,014</b>	<b>0</b>	<b>7,852</b>	<b>293,426</b>	<b>1,757</b>	<b>167</b>	<b>44.7947</b>
Bridgenorth Library	28634	6672			99542	483	206	13.6321
Lakefield Library	20450	6418			88659	275	322	12.8610
Ennismore Library	23726	6198			89596	187	479	12.5615
<b>Total Library</b>	<b>72,810</b>	<b>19,288</b>	<b>0</b>	<b>0</b>	<b>277,797</b>	<b>945</b>	<b>294</b>	<b>39.0547</b>
Ennismore Recreation Complex	474778	28113			773555	3667	211	70.0286
Lakefield Arena	493456	13448			636377	2794	228	42.9665
Isabel Morris Park Lakefield	4069				4069	N/A		0.1446
Lakefield Marina	37883				37883	82	462	1.3467
Douglas Sports Centre	4769				4769	41	116	0.1695
Marshland Centre	6356	2206			29801	185	161	4.3967
Lakefield Campground and Lights	6245				6245	N/A		0.2220
Bridgenorth Community Hall	28634	6672			99542	322	309	13.6321
Bridgenorth Beautification	1805				1805	N/A		0.0642
Bridgenorth Ball Park	12228				12228	N/A		0.4347
<b>Total Parks and Recreation</b>	<b>1,070,223</b>	<b>50,439</b>	<b>0</b>	<b>0</b>	<b>1,606,274</b>	<b>7,091</b>	<b>227</b>	<b>133.4056</b>
Main Public Works Complex	51626			37760	317098	1330	238	60.0228
Lakefield Works Garage	18830	5280			74944	360	208	10.6519
Ennismore Works Garage	12517	4880			64380	348	185	9.6712
Landfill Office	14383				14383	43	334	0.5113
Ennismore Sand Dome	10073				10073	N/A		0.3581
<b>Total Public Works</b>	<b>107,429</b>	<b>10,160</b>	<b>0</b>	<b>37,760</b>	<b>480,878</b>	<b>2,081</b>	<b>231</b>	<b>81.2152</b>
826 Ward St. Bridgenorth (OPP office)	7247	2078			29331	189	155	4.1863
12 Queen St. Lakefield	20635	8233			108133	545	198	16.2991
<b>Total Police Buildings</b>	<b>27882</b>	<b>10311</b>	<b>0</b>	<b>0</b>	<b>137464</b>	<b>734</b>	<b>187</b>	<b>20.4854</b>
826 Ward St Bridgenorth	9223	1639			26642	457	58	3.4266
Municipal Office	91041			9225	155897	998	156	17.4519
Memorial Hall Lakefield	42746	5861			105035	652	161	12.6005
<b>Total Other Buildings</b>	<b>143,010</b>	<b>7,500</b>	<b>0</b>	<b>9,225</b>	<b>287,574</b>	<b>2,107</b>	<b>136</b>	<b>33.4790</b>
Lakefield Streetlights LED	105355				105355	404	261	3.7452
12 LED Fixtures @ 65 watts ea	3220				3220	12	268	0.1145
6 LED Fixtures @ 101 watts ea	2383				2383	6	397	0.0847
9 LED Fixtures @ 56 watts ea	1986				1986	9	221	0.0706
6 LED Fixtures @ 29 watts ea	662				662	6	110	0.0235
47 LED Fixtures @ 43 watts ea	7778				7778	47	165	0.2765
20 LED Fixtures @ 53 watts ea	4193				4193	20	210	0.1491
96 LED Fixtures @ 73 watts ea	32063				32063	96	334	1.1398
Summer Lane 8 LED Fixtures @ 75 watts	2295				2295	8	287	0.0816
<b>Total Streetlights</b>	<b>159,935</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>159,935</b>	<b>608</b>	<b>263</b>	<b>5.6854</b>
Water Street Pumping Station	127088				127088	634214	0.2004	4.5177
Lagoon	308280				308280	634214	0.4861	10.9587
Lagoon	0				0			0.0000
Hague Blvd Pumping Station	508				508			0.0181
George Street Pumping Station	10221				10221			0.3633
Kingdon Avenue Pumping Station	468				468			0.0166
Water Treatment Plant	459900				459900	669869	0.6866	16.3485
Rolliston Booster Station	17436				17436			0.6198
Water Tower (original standpipe)	5178				5178			0.1841
Elevated Water Tower (new in 2012)	25503				25503			0.9066
Stewart Drive Pumping Station	216				216			0.0077
Woodland Acres	47457				47457	96506	0.4918	1.6870
<b>Total Water and Sewer</b>	<b>1,002,255</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,002,255</b>	<b>2,034,803</b>	<b>0.4926</b>	<b>35.6282</b>
<b>Grand Totals</b>	<b>2,651,575</b>	<b>113,712</b>	<b>0</b>	<b>54,837</b>	<b>4,245,604</b>			<b>393.7</b>
Units of measure	kWh	m3	litres	litres	ekWh			Tonnes
Product	Electricity	Natural Gas	Furnace Oil	Propane	Energy			CO2e

