

Energy Consumption Summary
Township of Selwyn

2016

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	23712	3983			66042	542	122	8.3733
Lakefield Fire Hall	10000	5670			70259	354	198	11.0753
Youngs Point Fire Hall	9505			4747	42879	261	164	7.6529
Curve Lake Fire Hall	3904			2757	23287	187	125	4.3873
Ennismore Fire Hall	15054	8211			102318	410	250	16.0591
Slater's Hall Storage	0				0			0.0000
Gore St Well Shed	6188				6188	3	1815	0.2200
Total Fire Dept	68,363	17,864	0	7,504	310,973	1,757	177	47.7679
Bridgenorth Library	32031	5719			92811	483	192	11.9511
Lakefield Library	23534	7055			98512	275	358	14.1750
Ennismore Library	25699	5923			88647	187	474	12.1117
Total Library	81,264	18,697	0	0	279,970	945	296	38.2378
Ennismore Recreation Complex	557536	25443			827937	3667	226	67.9225
Lakefield Arena	408396	18376			603691	2794	216	49.2598
Isabel Morris Park Lakefield	5316				5316	N/A		0.1890
Lakefield Marina	39474				39474	82	481	1.4032
Douglas Sports Centre	5776				5776	41	141	0.2053
Marshland Centre	6627	2178			29774	185	161	4.3534
Lakefield Campground and Lights	6760				6760	N/A		0.2403
Bridgenorth Community Hall	32031	5719			92811	322	288	11.9511
Bridgenorth Beautification	1290				1290	N/A		0.0459
Bridgenorth Ball Park	12588				12588	N/A		0.4475
Total Parks and Recreation	1,075,794	51,716	0	0	1,625,416	7,091	229	136.0180
Main Public Works Complex	66804			38066	334427	1330	251	61.0338
Lakefield Works Garage	19450	4343			65606	360	182	8.9024
Ennismore Works Garage	14763	3880			55998	348	161	7.8604
Landfill Office	14856				14856	43	345	0.5281
Ennismore Sand Dome	3293				3293	N/A		0.1171
Total Public Works	119,166	8,223	0	38,066	474,181	2,081	228	78.4418
826 Ward St. Bridgenorth (OPP office)	8775	2104			31136	189	165	4.2898
12 Queen St. Lakefield	24329	7459			103601	545	190	14.9670
Total Police Buildings	33104	9563	0	0	134737	734	184	19.2568
826 Ward St Bridgenorth	10843	1711			29027	457	64	3.6203
Municipal Office	98470			8844	160648	998	161	17.1289
Memorial Hall Lakefield	44414	6127			109530	652	168	13.1627
Total Other Buildings	153,727	7,838	0	8,844	299,205	2,107	142	33.9119
						# of fixtures	kWh/fixture	
Lakefield Streetlights LED	104078				104078	404	258	3.6998
12 LED Fixtures @ 65 watts ea	3312				3312	12	276	0.1177
6 LED Fixtures @ 101 watts ea	2592				2592	6	432	0.0921
9 LED Fixtures @ 56 watts ea	2160				2160	9	240	0.0768
6 LED Fixtures @ 29 watts ea	720				720	6	120	0.0256
47 LED Fixtures @ 43 watts ea	8460				8460	47	180	0.3007
20 LED Fixtures @ 53 watts ea	4560				4560	20	228	0.1621
96 LED Fixtures @ 73 watts ea	29952				29952	96	312	1.0647
Summer Lane 8 LED Fixtures @ 75 watts	305				305	8	38	0.0108
Total Streetlights	156,139	0	0	0	156,139	608	257	5.5504
Water Street Pumping Station	115421				115421	535943	0.2154	4.1030
Lagoon	319771				319771	535943	0.5967	11.3672
Lagoon	0				0			0.0000
Hague Blvd Pumping Station	628				628			0.0223
George Street Pumping Station	5336				5336			0.1897
Kingdon Avenue Pumping Station	399				399			0.0142
Water Treatment Plant	433440				433440	665336	0.6515	15.4079
Rolliston Booster Station	19148				19148			0.6807
Water Tower (original standpipe)	3938				3938			0.1400
Elevated Water Tower (new in 2012)	23289				23289			0.8279
Stewart Drive Pumping Station	151				151			0.0054
Woodland Acres	43908				43908	118523	0.3705	1.5608
Total Water and Sewer	965,429	0	0	0	965,429	1,855,745	0.5202	34.3191
						Flow Volume in cubic meters	ekWh/m3	
Grand Totals	2,652,986	113,901	0	54,414	4,246,049			393.50
Units of measure	kWh	m3	litres	litres	ekWh			Tonnes
Product	Electricity	Natural Gas	Furnace Oil	Propane	Energy			CO2e

