

Energy Consumption Summary
Township of Selwyn

2014

Note : Conversion factors for ekWh and GHG emissions for 2014 were verified with the Ministry of Energy

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	21096	5149			75818	542	140	10.58
Lakefield Fire Hall	10000	8012			95149	354	269	15.55
Youngs Point Fire Hall	7509			4899	41951	261	161	7.85
Curve Lake Fire Hall	3808		2291	2619	46913	187	251	10.45
Ennismore Fire Hall	14573	9700			117662	410	287	18.92
Slater's Hall Storage	1				1			0.00
Gore St Well Shed	7708				7708	3	2260	0.31
Total Fire Dept	64,695	22,861	2,291	7,518	385,202	1,757	219	63.66
Bridgenorth Library	34001	7070			109139	483	226	14.73
Lakefield Library	19389	8319			107801	275	392	16.50
Ennismore Library	28049	7324			105886	187	566	14.97
Total Library	81,439	22,713	0	0	322,826	945	342	46.20
Ennismore Recreation Complex	565422	36177			949900	3667	259	91.02
Lakefield Arena	450168	20376			666718	2794	239	56.54
Isabel Morris Park Lakefield	12312				12312	N/A		0.49
Lakefield Marina	47663				47663	82	581	1.91
Douglas Sports Centre	2412				2412	41	59	0.10
Marshland Centre	5443	2524			32267	185	174	4.99
Lakefield Campground and Lights	8293				8293	N/A		0.33
Bridgenorth Community Hall	34001	7070			109139	322	339	14.73
Bridgenorth Beautification	4010				4010	N/A		0.16
Bridgenorth Ball Park	6580				6580	N/A		0.26
Total Parks and Recreation	1,136,304	66,147	0	0	1,839,294	7,091	259	170.52
Main Public Works Complex	48425			19004	182033	730	249	31.22
Lakefield Works Garage	23433	7657			104809	360	291	15.41
Ennismore Works Garage	17657	7278			95005	348	273	14.47
Landfill Office	16587				16587	43	386	0.66
Landfill Blue Garage					0	N/A		0.00
Ennismore Sand Dome	3172				3172	N/A		0.13
Total Public Works	109,274	14,935	0	19,004	401,606	1,481	271	61.89
826 Ward St. Bridgenorth (OPP office)	7089	2576			34466	189	182	5.15
12 Queen St. Lakefield	22995	9123			119952	545	220	18.17
Total Police Buildings	30084	11699	0	0	154417	734	210	23.32
826 Ward St Bridgenorth	17535	1526			33753	457	74	3.59
Municipal Office	102638			8316	161104	998	161	16.92
Memorial Hall Lakefield	47818	7496			127483	652	196	16.09
Total Other Buildings	167,991	9,022	0	8,316	322,340	2,107	153	36.59
						# of fixtures	kWh/fixture	
Lakefield Streetlights	249060				249060	352	708	9.97
Ennis Street Lights 6 Con Lot 7	8268				8268	15	551	0.33
Pine Valley Estates Streetlights	3384				3384	2	1692	0.14
Bridgenorth Estates Ph 1 Lot 11	31965				31965	40	799	1.28
Bridgenorth Streetlights	33516				33516	42	798	1.34
Streetlights at HQ and Seaforth	3336				3336	2	1668	0.13
Youngs Point Streetlights Con 4	19584				19584	23	851	0.78
Youngs Point Streetlights Con 12	2448				2448	2	1224	0.10
Woodland Acres Streetlights Lot 12	18330				18330	31	591	0.73
6 Con Lot 11 Streetlights	18768				18768	24	782	0.75
West Communication Rd Streetlights	3384				3384	2	1692	0.14
Tyler Court Streetlights	2688				2688	2	1344	0.11
Buckhorn Streetlights	5712				5712	7	816	0.23
Total Streetlights	400,443	0	0	0	400,443	544	736	16.02
Water Street Pumping Station	121281				121281	581085	0.2087	4.85
Lagoon	300734				300734	581085	0.5175	12.03
Lagoon	1849				1849			0.07
Hague Blvd Pumping Station	402				402			0.02
George Street Pumping Station	5595				5595			0.22
Kingdon Avenue Pumping Station	495				495			0.02
Coyle Crescent Pumping Station	0				0			0.00
Water Treatment Plant	419220				419220	604713	0.6933	16.77
Rolliston Booster Station	18675				18675			0.75
Water Tower (original standpipe)	8180				8180			0.33
Elevated Water Tower (new in 2012)	24283				24283			0.97
Stewart Drive Pumping Station	181				181			0.01
Woodland Acres	47582				47582	79871	0.5957	1.90
Total Water and Sewer	948,477	0	0	0	948,477	1,846,754	0.5136	37.95
						Flow Volume	ekWh/m3	
						in cubic meters		
Grand Totals	2,938,707	147,377	2,291	34,838	4,774,606			456
Units of measure	kWh	m3	litres	litres	ekWh			Tonnes
Product	Electricity	Natural Gas	Furnace Oil	Propane	Energy			CO2e

