

Staff Report 2017-81

Schedule A: Corporate Energy and Greenhouse Gas Emissions Reporting

Facility	Square Footage	2015 Total Electricity (kWh)	2015 Total Natural Gas (m3)	2015 Total Fuel Oil (L)	Natural Gas ekWh	Fuel oil ekWh	Total ekWh	Energy Intensity (ekWh/sq ft).	Total GHG (kg)
6211 Old Church Rd.	7,339.91	48,829.00	9,314.00		98,987.11		147,816.11	20.14	19,563.00
Town Hall	55,374.71	812,738.00	51,945.00		552,059.88		1,364,797.88	24.65	130,727.08
Albion Bolton Community Centre	74,800.00	1,088,186.00	77,885.00		827,744.41		1,915,930.41	25.61	190,790.89
Alton Community Centre	5,089.34	39,497.00	6,037.00		64,159.89		103,656.89	20.37	12,994.03
Alton Fire Hall	2,921.21	9,445.00	6,084.00		64,659.40		74,104.40	25.37	11,880.48
Belfountain Community Centre	2,994.08	2,983.00		2,138.00	-	23,042.89	26,025.89	8.69	5,967.12
Bolton Fire Hall #302	10,002.58	105,317.00	18,647.00		198,176.16		303,493.16	30.34	39,468.36
Caledon Animal Shelter	3,200.00	98,058.00	9,267.00		98,487.61		196,545.61	61.42	21,443.84
Caledon Centre for Recreation & Wellness	91,685.21	1,533,931.00	270,946.00		2,879,553.67		4,413,484.67	48.14	573,631.94
Caledon Community Complex	92,465.44	1,907,352.00	189,597.00		2,014,994.64		3,922,346.64	42.42	434,772.27
Caledon East Fire Hall #303	9,998.70	38,298.00	12,967.00		137,810.38		176,108.38	17.61	26,048.10
Caledon OPP Detachment	23,650.00	378,230.00	9,311.00		98,955.23		477,185.23	20.18	32,736.99
Caledon Village Fire Hall #309	7,211.82	69,597.00	13,739.00		146,015.03		215,612.03	29.90	28,759.97
Caledon Village Place	6,394.95	45,666.00	8,525.00		90,601.80		136,267.80	21.31	17,944.74
Cheltenham Fire Station	9,650.00	41,776.00	6,445.00		68,496.02		110,272.02	11.43	13,856.59
Inglewood Community Centre	5,308.87	18,910.00	7,376.00		78,390.48		97,300.48	18.33	14,701.87
Inglewood Fire Station #305	5,766.66	17,415.00	6,516.00		69,250.59		86,665.59	15.03	13,016.12
Lloyd Wilson Centennial Arena	24,421.91	442,456.00	26,080.00		277,172.42		719,628.42	29.47	67,010.66
Margaret Dunn Library	5,040.09	51,456.00	4,012.00		42,638.64		94,094.64	18.67	9,644.00
Mayfield Recreation Complex	62,663.55	1,407,393.00	127,898.00		1,359,271.42		2,766,664.42	44.15	298,118.61
Mono Mills Fire Hall #308	2,965.13	10,074.00	6,249.00		66,412.98		76,486.98	25.80	12,217.60
Palgrave Fire Hall #306	2,977.19	9,678.00	7,361.00		78,231.07		87,909.07	29.53	14,304.13
Rotary Centre - Bolton	6,000.00	76,790.00	10,429.00		110,837.09		187,627.09	31.27	22,789.79
Snelgrove Fire Hall #307	6,754.10	95,516.00	13,474.00		143,198.67		238,714.67	35.34	29,296.00
Victoria Parks Community Centre	2,834.35	6,404.00	4,806.00		51,077.10		57,481.10	20.28	9,342.58
Yard 1	8,894.43	121,190.00	16,708.00		177,568.90		298,758.90	33.59	36,437.53
Yard 2	15,359.13	124,623.00	26,352.00		280,063.18		404,686.18	26.35	54,808.09
Yard 3	5,155.91	35,574.00	9,180.00		97,562.99		133,136.99	25.82	18,779.31
<b>Total</b>	<b>556,919.27</b>	<b>8,637,382.00</b>	<b>957,150.00</b>	<b>2,138.00</b>	<b>10,172,376.76</b>	<b>23,042.89</b>	<b>18,832,801.64</b>		<b>2,161,051.68</b>

Town of Caledon Facilities	
<b>Electricity</b>	
Total kWh	8,637,382
Total \$	\$1,264,968
<b>Total GHG (kg)</b>	345,590
<b>Natural Gas</b>	
Total m3	957,150
Total ekWh	10,172,377
Total \$	\$303,309
<b>Total GHG (kg)</b>	1,809,614
<b>Fuel Oil</b>	
Total L	2,138
Total ekWh	23,043
Total \$	\$2,055
<b>Total GHG (kg)</b>	5,848

Total ekWh	
Total ekWh	18,832,802
Total \$	\$1,568,277
Total GHG (kg)	2,161,052

GHG Coefficient	
kghg	
Electricity (kWh)	0.0400110
Natural Gas (m3)	1.890627
Fuel Oil (L)	2.7351560

Administration	Fire Stations	OPP Stations	Libraries & Community Centres	Work Yards	Recreation
<b>Electricity</b>					
Total kWh	959,625	397,116	241,706	281,387	6,379,318
Total \$	\$153,544	67,935	40,287	49,145	900,291
<b>Total GHG (kg)</b>	38,396	15,889	9,671	11,259	255,243
% of Elec Use	11.11%	4.60%	2.80%	3.26%	73.86%
% of Elec Cost	12.14%	5.37%	3.18%	3.89%	71.17%
<b>Natural Gas</b>					
Total m3	70,526	91,482	9,311	52,240	692,406
Total ekWh	749,535	972,250	98,955	555,195	7,358,737
Total \$	23,632	37,081	3,694	18,651	202,361
<b>Total GHG (kg)</b>	133,338	172,958	17,603	98,766	1,309,082
% of Gas Use	7.37%	9.56%	0.97%	5.46%	72.34%
% of Gas Cost	7.79%	12.23%	1.22%	6.15%	66.72%
<b>Total Costs</b>					
Total \$	177,176	105,016	57,460	67,796	1,102,652
Total ekWh	1,709,160	1,369,366	477,185	836,582	13,738,055
Total GHG (kg)	171,734	188,847	32,737	110,025	1,564,324
% of Total Use:	9.08%	7.27%	2.53%	4.44%	72.95%
% of Total GHG:	7.88%	8.67%	1.50%	5.05%	72.39%