

Staff Report 2019-73 Schedule A: Corporate Energy and Greenhouse Gas Emissions Reporting (2017)

Facility	Total Floor Area (sq. ft)	2017 Total Electricity (kWh)	2017 Total Natural Gas (m3)	2017 Propane (L)	Energy Intensity (ekWh/sqft)	Total GHG Emissions (Kg)
6211 Old Church Rd	7,339.91	47,880	6,677		16.19	13,451.94
Administration Building	55,374.71	844,277	48,476		24.55	106,254.34
Albion Bolton Community Centre	74,800.00	1,038,207	65,612		23.20	142,006.72
Alton Community Centre	5,089.34	38,676	6,307		20.77	12,593.20
Alton Fire Station	2,921.21	10,067	7,152		29.47	13,695.90
Belfountain Community Centre	2,994.08	9,301		2,570	7.50	3,960.00
Bolton Fire Station	10,002.58	107,570	15,880		27.63	31,883.90
Caledon Animal Shelter	3,200.00	85,970	9,257		57.61	18,988.64
Caledon Centre For Recreation	91,685.21	1,429,740	263,298		46.11	522,529.95
Caledon East Community Complex	92,465.44	1,890,579	180,761		41.22	374,454.86
Caledon East Fire Station	9,998.70	34,462	10,676		14.79	20,780.46
Caledon OPP Detachment	23,650.00	399,499	34,244		32.28	71,653.16
Caledon Village Fire Station	7,211.82	66,110	15,258		31.65	29,990.76
Caledon Village Place	6,394.95	36,757	8,568		19.99	16,834.71
Cheltenham Fire Station	9,650.00	28,599	5,489		9.01	10,872.36
Inglewood Community Centre	5,308.87	15,358	5,085		13.07	9,879.50
Inglewood Fire Station	5,766.66	16,813	4,326		10.89	8,469.68
Lloyd Wilson Centennial Arena	24,421.91	498,751	24,017		30.87	54,034.58
Margaret Dunn Valleywood Branch	5,040.09	52,278	4,219		19.27	8,880.86
Mayfield Recreation Complex	62,663.55	1,350,544	114,137		40.91	239,152.20
Mono Mills Fire Station	2,965.13	9,601	5,909		24.42	11,337.79
Palgrave Fire Station	2,977.19	9,883	7,234		29.14	13,847.75
Rotary Club	6,000.00	66,949	10,355		29.50	20,735.53
Snelgrove Fire Station	6,754.10	115,517	11,408		35.05	23,566.49
Victoria Parks Community Centre	2,834.35	6,943	6,120		25.40	11,690.74
Work Yard 1	8,894.43	162,271	28,013		51.72	55,769.10
Work Yard 2	15,359.13	100,389	26,076		24.58	51,036.52
Work Yard 3	5,155.91	34,948	8,448		24.19	16,576.55
Total	556,919.27	8,507,939	933,002	2,570		1,914,928.21

* The total emissions for buildings as per O. Reg 507/18 reporting differs from the emissions quantified in the Town's 2017 Corporate GHG inventory due to the use of slightly different emissions factors.

Town of Caledon Facilities

Electricity	
Total kWh	8,507,939
Total \$	\$1,377,906
Total GHG (kg)	170,159

Natural Gas	
Total m3	933,002
Total ekWh	9,915,737
Total \$	\$264,981
Total GHG (kg)	1,771,771

Fuel Oil/ Propane	
Total L	2,570
Total ekWh	18,065
Total \$	\$1,627
Total GHG (kg)	3,960

Total ekWh	
Total ekWh	18,441,741
Total \$	\$1,644,514
Total GHG (kg)	1,945,889

Administration

Total (kWh)	978,127
Elec costs	\$175,686
% of Elec Costs	12.75%
% of Electricity	11.50%

Total Gas (m3)	64,410
Total Gas (ekWh)	684,535
Gas Costs	\$19,527
% of Nat Gas Cost	7.37%
% of Gas Use	6.90%

Total (ekWh)	1,662,662
Total GHG (kg)	141,877
Total Costs	\$195,213
% of Total Use	9.02%

Recreation

Total (kWh)	6,207,821
Elec costs	\$979,536
% of Elec Costs	71.09%
% of Electricity	72.97%

Total (m3)	647,825
Total Gas (ekWh)	6,884,940
Gas Costs	\$168,406
% of Gas Cost	63.55%
% of Gas Use	69.43%

Total (ekWh)	13,092,761
Total GHG (kg)	1,354,376
Total Costs	\$1,147,942
% of Total Use	71.00%

Community Centres & Libraries

Total (kWh)	226,262
Elec costs	\$38,758
% of Elec Costs	2.81%
% of Electricity	2.66%

Total (m3)	40,654
Total Gas (ekWh)	432,062
Gas Costs	\$16,404
% of Nat Gas Cost	6.19%
% of Gas Use	4.36%

Total Propane (L)	2,570
Total Propane (ekWh)	18,065
Propane Costs	\$1,627

Total (ekWh)	676,389
Total GHG (kg)	85,687
Total Costs	\$56,566
% of Total Use	3.67%

Fire Stations

Total (kWh)	398,622
Elec costs	\$68,588
% of Elec Costs	4.98%
% of Electricity	4.69%

Total (m3)	83,332
Total Gas (ekWh)	885,634
Gas Costs	\$31,694
% of Gas Cost	11.96%
% of Gas Use	8.93%

Total (ekWh)	1,284,256
Total GHG (kg)	166,220
Total Costs	\$100,282
% of Total Use	6.96%

Work Yards

Total (kWh)	297,608
Elec costs	\$51,886
% of Elec Costs	3.77%
% of Electricity	3.50%

Total (m3)	62,537
Total Gas (ekWh)	664,629
Gas Costs	\$19,027
% of Gas Cost	7.18%
% of Gas Use	6.70%

Total (ekWh)	297,608
Total GHG (kg)	962,237
Total Costs	\$70,913
% of Total Use	5.22%

OPP

Total (kWh)	399,499
Elec costs	\$63,452
% of Elec Costs	4.60%
% of Electricity	4.70%

Total (m3)	34,244
Total Gas (ekWh)	363,938
Gas Costs	9,923
% of Gas Cost	3.74%
% of Gas Use	3.67%

Total (ekWh)	763,437
Total GHG (kg)	73,019
Total Costs	\$73,375
% of Total Use	4.14%