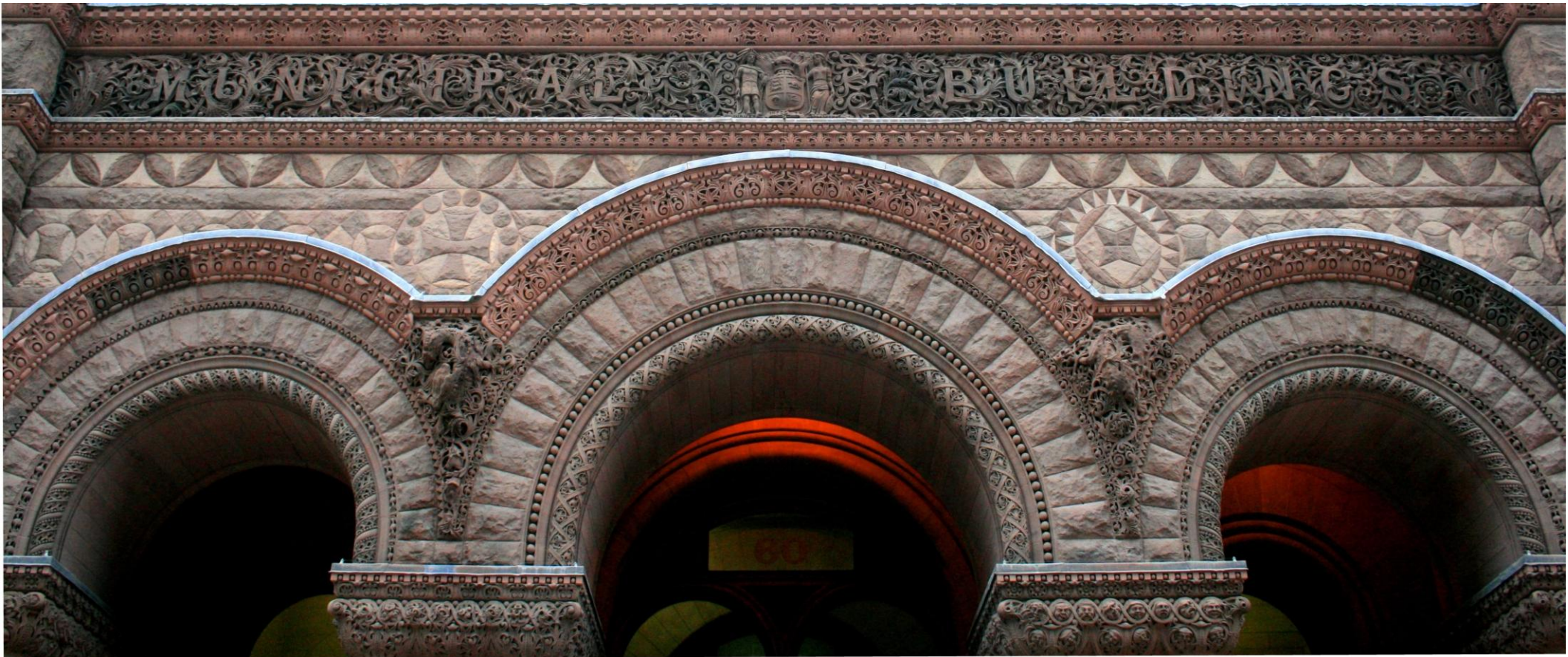


Annual Energy Consumption & Greenhouse Gas Emissions Report



City of Toronto

2011

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2011

Annual Energy Consumption & Greenhouse Gas (GHG) Emissions

Prepared by:

Energy & Waste Management Office

Environment & Energy Division

City of Toronto

2013

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1 SUMMARY

This report was produced to provide information on 2011 energy consumption and greenhouse gas emissions from a select group of City of Toronto operations. It contains information provided to the Ontario Ministry of Energy based on the 2013 mandates of the Ontario Green Energy Act, Regulation 397/11.

The City of Toronto collects utility data and stores the information using an energy management system. The energy management team at the City uses this system to monitor energy bills, analyze the corresponding data and verify savings from energy retrofits. This system was used as the primary source of 2011 energy data.

The report shows water and sewage treatment as well as pumping stations to consume the most energy among the City's operations. This is due to the energy intensive equipment used in these facilities and their continuous operating schedule. Toronto Water continues to improve its energy efficiency through its own in-house programs. Among other reported City of Toronto facilities, the top five operations with the highest energy intensity (normalized for area and operating hours) are indoor pools, storage and maintenance yards, administrative offices, public libraries and indoor sport arenas. These facilities will benefit from an in-depth analysis of their energy consuming equipment and a focus on operational energy conservation opportunities.

The City has made good progress in achieving higher energy efficiency levels in its operations, however many more opportunities exist to reach greater energy efficiencies in all City facilities. For the 2014 report, the City will provide an annual energy consumption report with an expanded scope to report on additional City facilities. The report will also emphasize the City's conservation and demand management (CDM) plan as part of the 2014 objective of the Ontario Green Energy Act Reg. 397/11.

2 BACKGROUND

In 2009, the Ontario legislature passed the Green Energy and Green Economy Act (GEA). As one of its objectives, the GEA aims to increase conservation by introducing measures to help Ontarians manage energy use. The Green Energy Act Regulation 397/11, published in August 2011, requires all public agencies to prepare, publish and implement energy conservation and demand management (CDM) plans. The energy conservation and demand management (CDM) plan has two parts:

1. A report on the annual energy consumption and greenhouse gas (GHG) emissions for City's facilities. This report is to meet the requirements of the regulation by July 1, 2013. Future updated reports are to be published annually.
2. A report summarizing the City's energy conservation and demand reduction measures along with the expected results. The first report is due on July 1, 2014 and is to be updated every five years thereafter.

3 SYNERGIES WITH EXISTING MANDATES

The creation and implementation of the CDM plan is within the context of the City's energy and environmental mandates based on:

1. Conservation and generation measures corresponding to the proposals made in "The Power to Live Green: Toronto's Sustainable Energy Strategy" and adopted by the Toronto City Council in November 2009. This strategy features a series of recommendations, including CDM measures to achieve higher energy and operational efficiencies within our facilities.
2. Efforts and the corresponding results of the actions taken by City staff to achieve the recommendations made in the "Climate Change, Clean Air and Sustainable Energy Action Plan" within the City of Toronto's owned facilities adopted by Toronto City Council July 2007.

4 SOURCES OF CONSUMPTION DATA & UNCERTAINTY

The Energy & Waste Management Office within the Environment & Energy Division at the City of Toronto is responsible for gathering energy and water consumption data from various utility providers for a multitude of facilities within the City's service agencies and divisions. This data is used for populating the energy and utility management program's database. The data contained within this report was obtained from the same database. Based on the current reporting scheme required by Regulation 397/11, the consumption data in this report contains information on building specific or "on-site" energy consumption.

This first report is intended to conform to the reporting requirements of Ontario Regulation 397/11. Accordingly, facilities have been grouped based on the required operations illustrated in Appendix 'A'. The corresponding templates containing detailed information on facility energy consumption and GHG emissions are included in Appendix 'B' of this report. Based on the requirements of regulation 397/11, data from a number of divisions and agencies such as Long-Term Care Homes, Toronto Zoo and Exhibition Place have not been included in this report. We are planning to expand future updates of this report to include these facilities.

Energy billing data used in this report is comprised of digital files received from the utility companies, consolidated billing files from a third-party and paper bills. Although every effort is made to audit all bill entries, with several thousand utility bills submitted each month there is a small potential for data entry errors. The City is working with our utility providers to further improve data accuracy and is working on plans for automated data acquisition where possible. Furthermore, specific building design and operations need to be taken into account when examining the results in this report. For example, low energy intensities do not always imply good efficiency and can be misleading. Examples of such cases are old buildings with limited ventilation, vacant buildings or those with malfunctioning heating, ventilation and cooling equipment.

5 RESULTS & ANALYSIS

5.1 Overall Energy Consumption and GHG Emissions

Energy is delivered to City facilities in two forms referred to as primary and secondary energy. Primary energy is raw fuel such as natural gas or fuel oil consumed to create heat and power equipment. Secondary energy is the product created from raw fuel, such as electricity purchased from the grid and steam received from a district energy system. Figure 1 illustrates the make-up of the City of Toronto's energy consumption which amounts to 5,140 terajoules on the reported facilities.

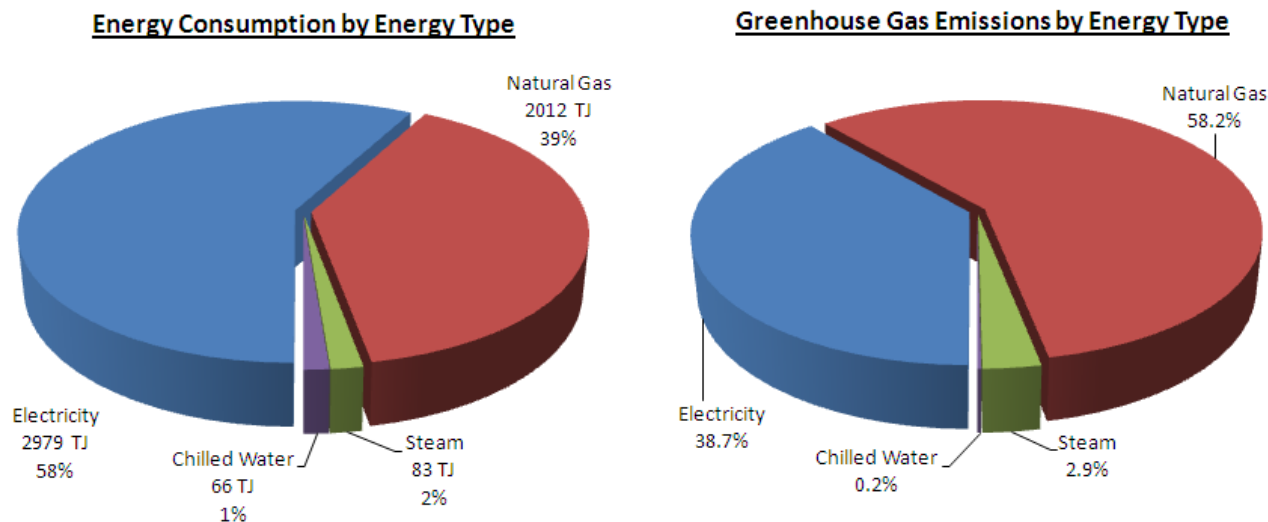


Figure 1: Energy Consumption and GHG Emissions by Energy Type

Of the reported facilities, electricity consumption far exceeds other energy sources at nearly 3,000 terajoules or 58% of the overall energy use. A large portion of this energy use goes towards cooling, ventilation and lighting of City facilities. Natural gas makes up just over 2,000 terajoules or approximately 39% of the reported energy use. The majority of the natural gas consumption at City facilities is used for

ventilation air, domestic hot water and space heating needs. Natural gas is also used for process heating applications such as water heating at public swimming pools.

Chilled water from the Enwave district cooling system (also known as deep lake water cooling) is used for air-conditioning at some City facilities such as City Hall, Metro Hall and most recently Union Station. This renewable source of energy supports efforts to reduce greenhouse gas emissions at the associated facilities. The same facilities utilize steam, provided by the Enwave district heating system for space heating and domestic hot water heating.

5.2 Operational Level Energy and Greenhouse Gas Emissions

The following figures illustrate energy consumption and GHG emissions from various operations at City facilities. Among the City facilities, sewage treatment plants consume the most energy. This is mainly due to their continuous operation, energy intensive equipment and regulatory compliance relating to effluent and odour control. Next on the list are maintenance yards which tend to be complexes with multiple large buildings. Because of the large number of yards and their corresponding operations, total energy use at these facilities is the second highest among the reported facility types. The next group of facilities, namely, administrative offices followed by other City of Toronto water facilities have similar levels of total energy consumption. Facilities operated by other agencies and divisions (such as arenas, libraries and police stations) form the remaining operations being analyzed.

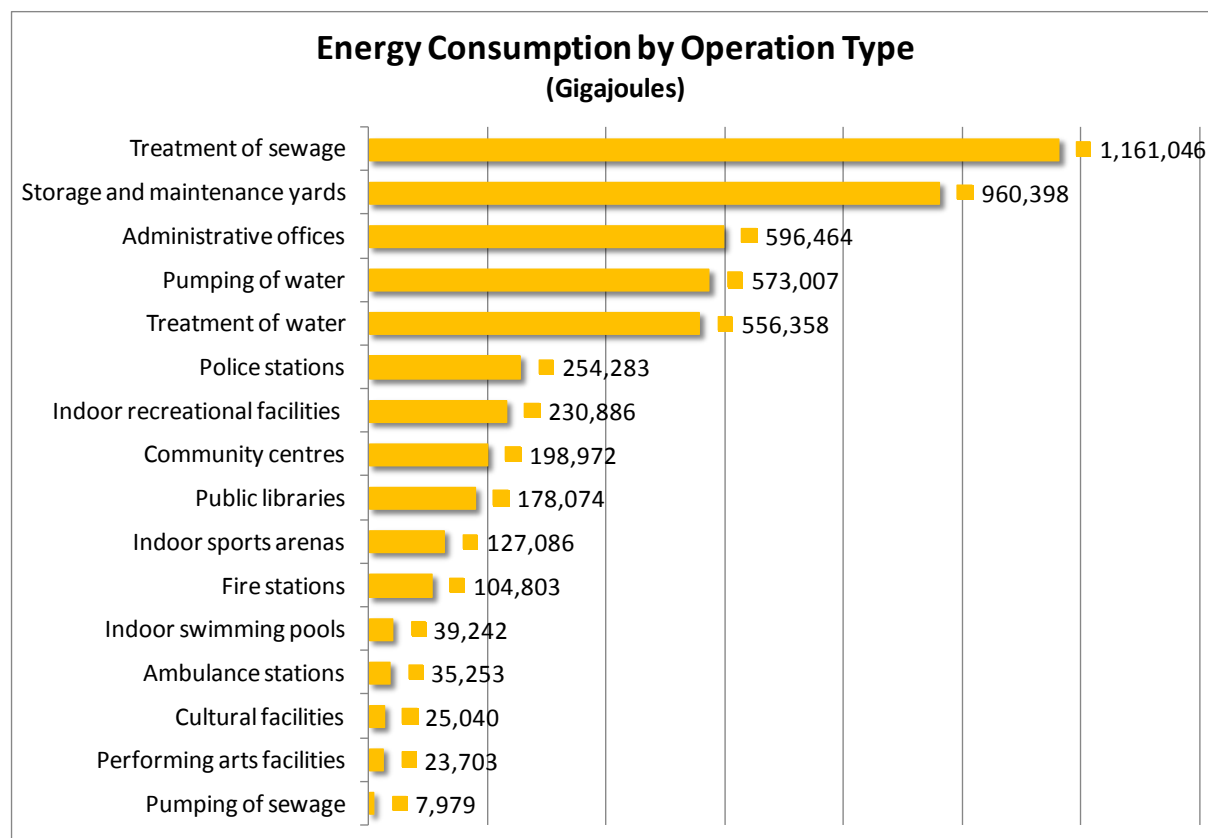


Figure 2: Energy Consumption by Operation Type (Gigajoules)

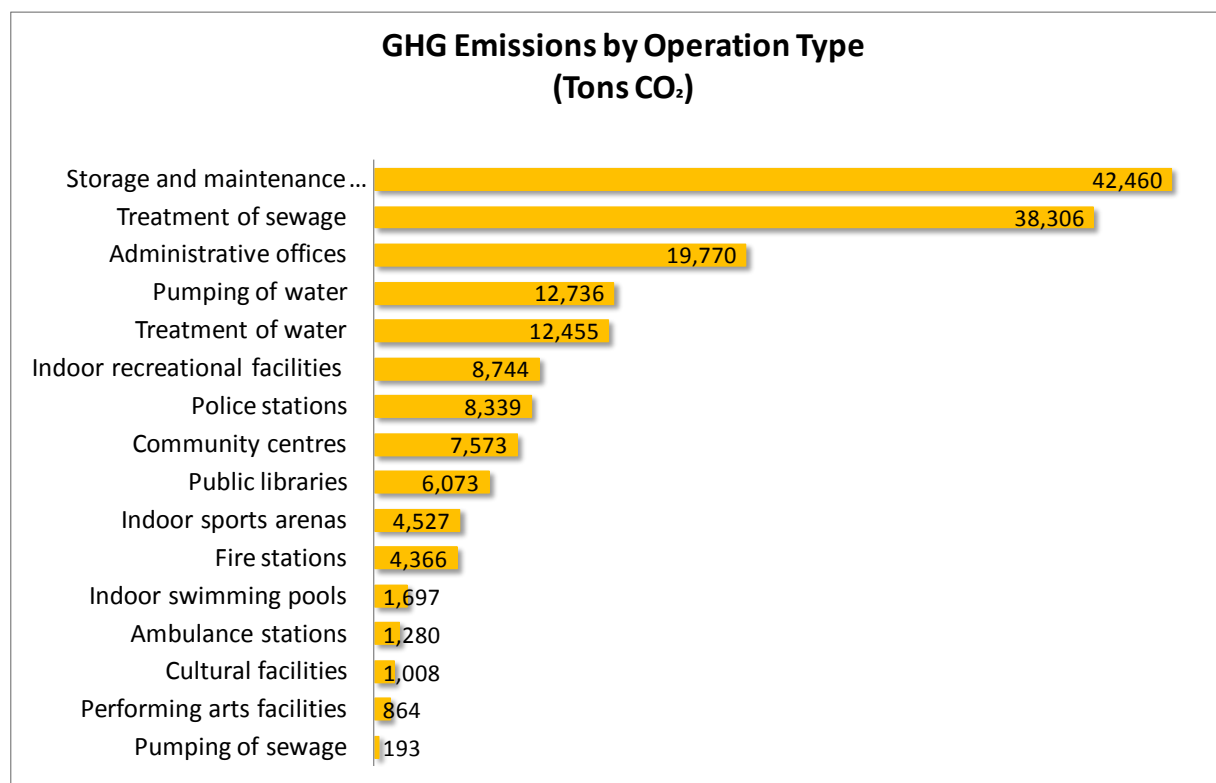


Figure 3: Greenhouse Gas Emissions by Operation Type (Tons CO₂)

The greenhouse gas emissions of the City's operations are mostly in line with their corresponding energy consumption. This generally implies that more energy consumption leads to higher GHG emissions. However, at the building level, emissions are influenced by the type of energy used. Consuming natural gas as a fossil fuel compared to using electricity leads to approximately 60% more GHG emissions. For this reason, storage and maintenance yards rank first in GHG emissions per operation type as natural gas contributes to a higher portion of GHG emissions than electricity.

5.3 Energy Intensity and Analysis

Energy intensity is defined as energy consumption over a given area. It is a useful method of comparing similar facilities as it normalizes energy use per unit area. Energy intensity is used for benchmarking energy use performance and can help identify facilities with high energy consumption, justifying the need for a closer look at conservation opportunities. It is important to recognize that using energy intensity alone may be misleading due to other influencing factors such as operating hours.

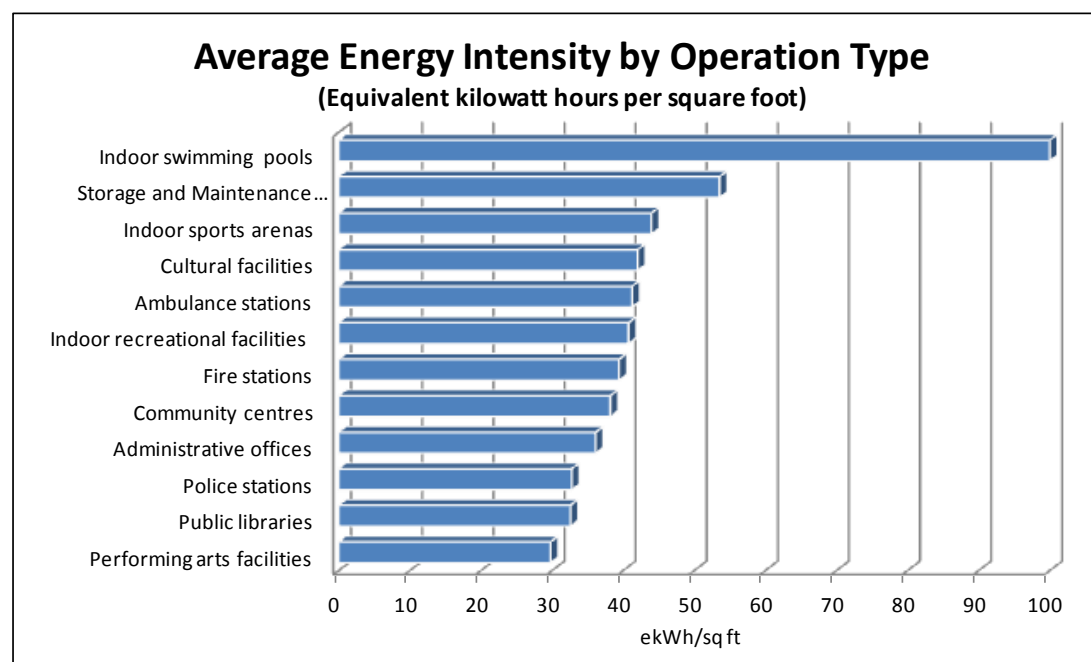


Figure 4: Energy Intensity per Operation Type (Equivalent kilowatt hours per square foot)

Figure 4 shows that indoor swimming pools and sport arenas have much higher energy intensities when compared to other City facilities. Indoor pools and ice rinks tend to consume large amounts of energy due to their operational needs such as refrigeration, heating,

ventilation and dehumidification processes. Based on the same logic, illustrated in Figure 4, public libraries and performing arts facilities tend to use the least amount of energy per square foot. This is due to the lack of large energy intensive equipment in these facilities. However, given the fact that these operations have varying operating hours, it is sensible to further normalize the energy intensities illustrated above.

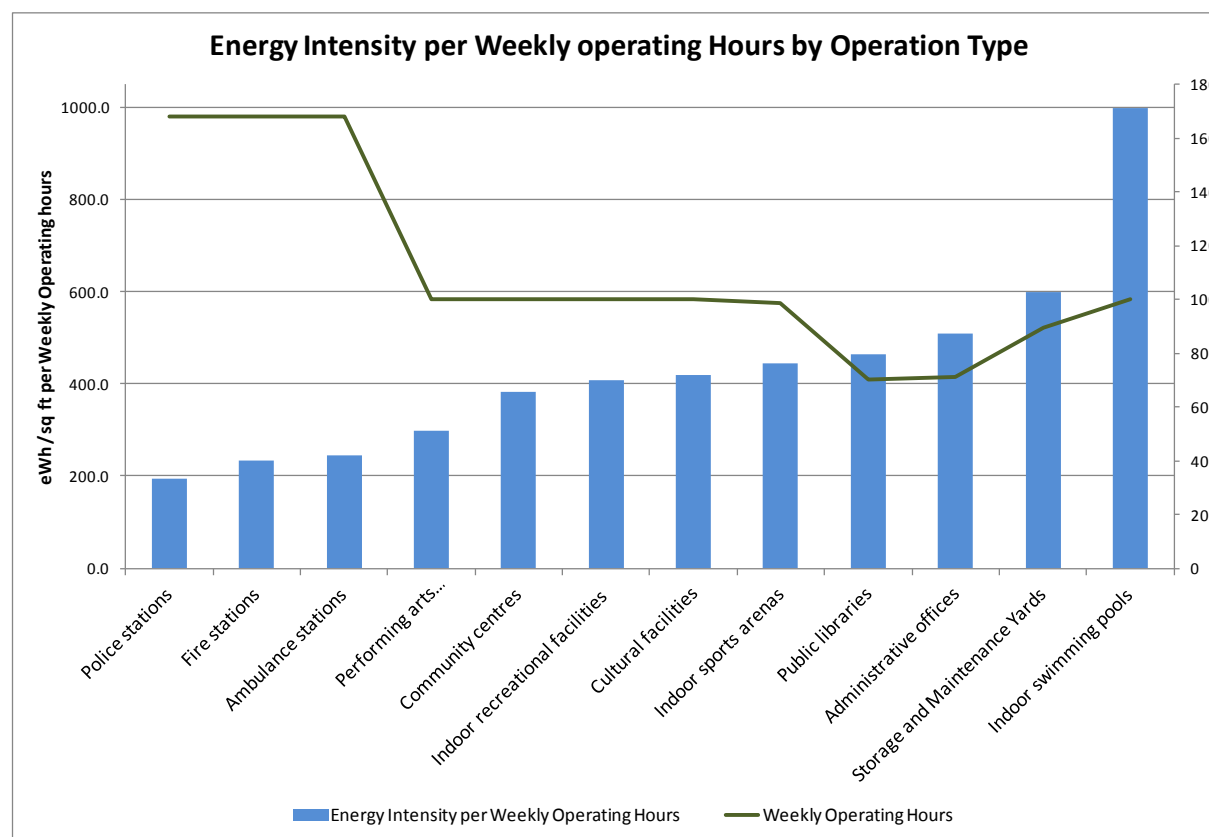


Figure 5: Average Energy Intensity per Operating Hours

Figure 5 illustrates an interesting fact about administrative offices and public libraries. Once normalized for operating hours, these facilities show higher energy intensities than others such as police and emergency services stations which run continuously. Accounting for operating hours, indoor pools as well as the maintenance and storage yards remain the highest energy consuming facilities.

A breakdown of each operation can be found in Appendix 'B'. These figures list each facility based on operation type and average energy intensity.

6 UPCOMING ACTIVITIES & THE CDM PLAN

City of Toronto will continue to report on annual energy consumption and prepare a conservation and demand management (CDM) plan based on various methodologies including:

1. Statistical energy consumption analysis: To study energy performance at individual facilities to identify conservation opportunities.
2. Building benchmarking: To enable comparison and ranking of energy consumption within similar facilities and operations.
3. Energy audits: To identify energy conservation measures through upgrades or fine tuning of existing equipment.
4. Training & building re-commissioning: To uncover higher operational efficiency opportunities with the building operators and managers.

The corresponding results will be used to identify and prioritize energy conservation opportunities which will in turn form the basis of the conservation and demand management (CDM) plan. The CDM plan, due to be published by July 2014, will include:

1. Estimated cost, savings and service life of the proposed measures.
2. Renewable energy facility description and annual production.
3. Confirmation of "energy management plan" approval by senior management.
4. Report on actual results achieved to date.

Furthermore, the scope of the City's consumption report will be expanded to include other facilities and operations not currently covered under the Regulation's requirements.

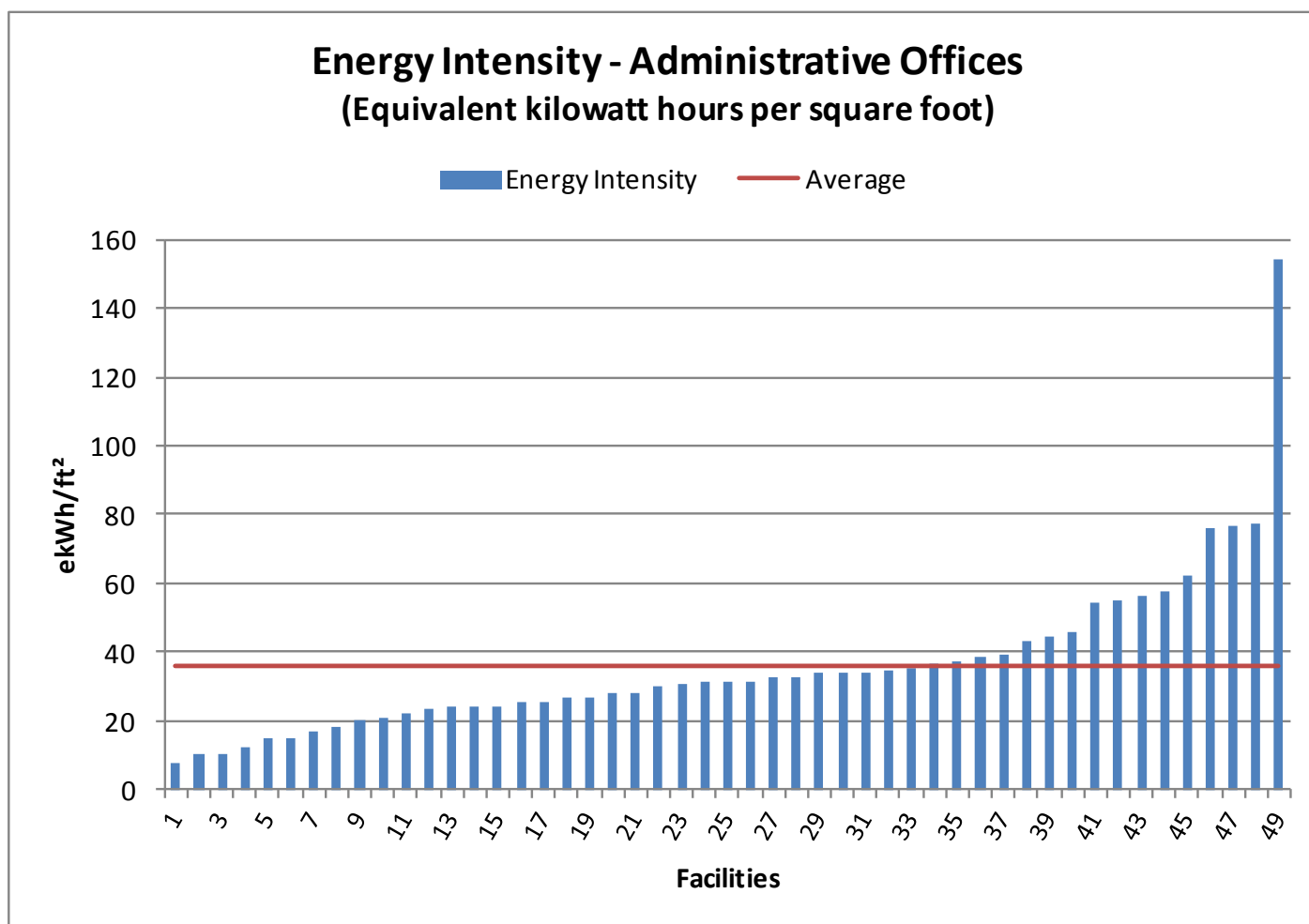
7 APPENDICES

Appendix A - Green Energy Act, Regulation 397/11 - Operation Types

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>
Item	Type of Public Agency	Operation
1.	Municipality	1. Administrative offices and related facilities, including municipal council chambers.
		2. Public libraries.
		3. Cultural facilities, indoor recreational facilities and community centres, including art galleries, performing arts facilities, auditoriums, indoor sports arenas, indoor ice rinks, indoor swimming pools, gyms and indoor courts for playing tennis, basketball or other sports.
		4. Ambulance stations and associated offices and facilities.
		5. Fire stations and associated offices and facilities.
		6. Police stations and associated offices and facilities.
		7. Storage facilities where equipment or vehicles are maintained repaired or stored.
		8. Buildings or facilities related to the treatment or pumping of water or sewage.
		9. Parking garages.

Appendix B - Facility Energy Consumption & GHG Emission Templates

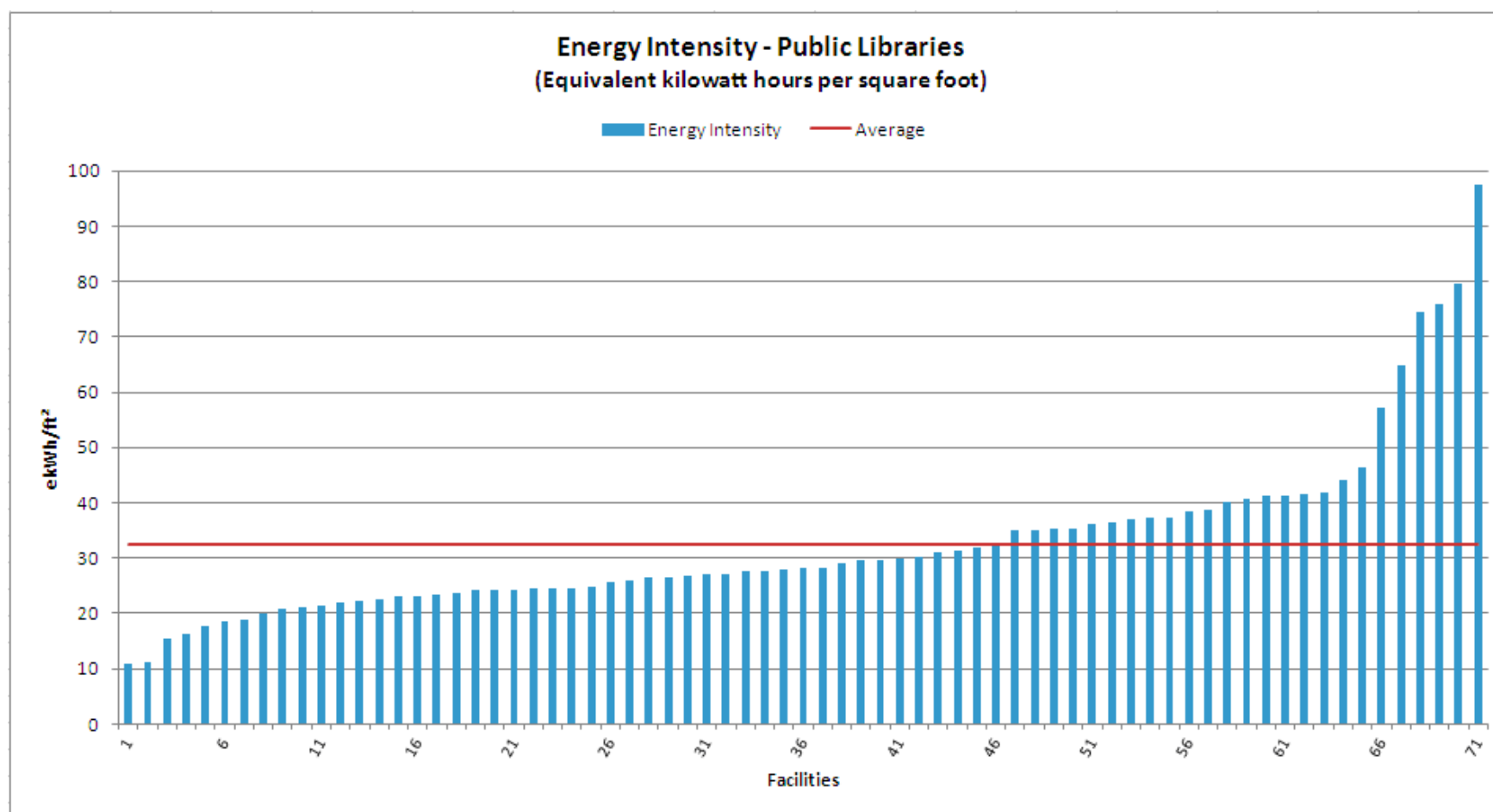
Administrative Offices



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units								GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor			
1	52 Hillcrest Ave	52 Hillcrest Ave	M2N 3N7	4,585	60	7,111	2,667						5,611	7.7	
2	Atlantic Ave Storage Bldg	98 Atlantic Ave	M6K 1X9	43,002	60	62,153	35,259						71,633	10.2	
3	21 Panorama	21 Panorama Crt	M9V 4E3	96,369	60	334,525	62,130						144,226	10.3	
4	Health Office	662 Jane St	M6N 4A7	2,540	60	16,674	1,381						3,944	12.3	
5	Patten Building	835 Davenport Road	M6G 2B4	33,164	168	491,758	0						39,341	14.8	
6	Support Services Building	1138 Bathurst Street	M5R 1L4	8,158	168	120,984	0						9,679	14.8	
7	College Dovercourt Office	455 Dovercourt Rd	M6H 2W3	19,138	60	103,538	21,062						48,103	17.1	
8	Central Services Office	329 Chaplin Cres	M5N 2M9	18,299	60	118,454	20,322						47,898	18.3	
9	Old City Hall	60 Queen St W	M5H 2M3	350,494	60	2,820,835		15,280	No				1,135,086	20.2	
10	Eastern District Office	1 Eastville Ave	M1M 2M9	19,849	60	95,218	30,367						65,030	21.1	
11	Dyas Rd 18	18 Dyas Rd	M3B 1V5	73,926	60	1,249,245	37,212						170,293	22.2	
12	277 Victoria	277 Victoria St	M5B 1W2	111,385	60	2,225,004	35,064						244,294	23.3	
13	Inglis and Subway Ops Buildings	1138 Bathurst Street	M5R 1L4	253,623	168	3,760,725	216,549						710,271	23.9	
14	89 Northline Road	89 Northline Road	M4B 3G1	55,004	60	347,607	91,571						200,935	24.0	
15	Metro Hall	55 John St	M5V 3C6	787,186	60	9,613,655		26,217	No	25,265	Yes	4.94	2,454,360	24.2	
16	Scarborough Admin Office	1076 Ellesmere Rd	M1P 4P4	20,398	60	128,503	36,783						79,822	25.5	
17	Health HQ	524 Oakwood Ave	M6E 2X1	14,144	60	200,861	15,213						44,830	25.6	
18	Scarborough Civic Centre	150 Borough Dr	M1P 4N7	372,861	60	7,132,276	258,789						1,059,856	26.5	
19	75-81 Elizabeth	77 Elizabeth St	M5G 1P4	14,768	60	199,536	18,516						50,969	26.8	
20	Property Dept Workshop	786 Dundas St E	M4M 1R1	39,170	60	127,324	91,393						182,977	28.0	
21	Scarborough North Office	5639 Finch Ave E	M1B 1T1	49,385	60	1,359,361	3,035						114,487	28.2	
22	Beatrice Lillie Health Centre	1115 Queen St W	M6J 1J1	9,268	60	165,239	10,711						33,470	30.1	
23	Queen Street Office	1631 Queen St E	M4L 1G4	25,327	60	385,147	36,849						100,479	30.7	
24	Markham Rd 1530	1530 Markham Rd	M1B 3G4	120,104	60	1,969,622	165,210						469,919	31.0	
25	505 Richmond	505 Richmond St W	M5V 1Y3	94,561	60	506,855	231,381						478,004	31.4	
26	City Hall	100 Queen St W	M5H 2N1	780,060	60	12,921,747		35,866	No	20,315	Yes	4.94	3,268,814	31.5	
27	Civic Centre Court 2	2 Civic Centre Crt	M9C 5A3	46,145	60	1,491,487	0						119,319	32.3	
28	Property Maintenance Office	149 River St	M5A 3P8	13,487	60	138,820	28,290						64,592	32.6	
29	Memorial Park Ave 175	175 Memorial Park Ave	M4J 2K5	6,394	60	65,171	14,213						32,084	33.8	

	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
30	Etobicoke Civic Centre	399 The West Mall	M9C 2Y2	154,925	60	2,659,020	246,999						679,704	34.1
31	Toronto Admin Office	281 Front St E	M5A 4L2	54,638	60	691,424	110,943						265,065	34.2
32	Etobicoke North Office	220 Attwell Dr	M9W 5B2	20,279	60	445,133	24,165						81,298	34.6
33	East York Civic Centre	850 Coxwell Ave	M4C 5R1	67,543	60	1,598,807	74,816						269,354	35.4
34	88 Sunrise Ave	88 Sunrise Ave	M4A 1W8	34,843	60	664,036	56,835						160,577	36.4
35	St Lawrence Hall	157 King St East	M5C 1G9	55,413	60	1,329,299	69,374						237,503	37.3
36	Pape Avenue Multiuse Building	126 Pape Ave	M4M 2V8	9,365	60	79,993	26,634						56,755	38.8
37	Western District Office	61 Edgehill Rd	M9A 3G4	4,844	60	50,041	13,017						28,614	38.9
38	Dyas Road Archive Bldg	14 Dyas Rd	M3B 1V5	28,589	60	672,670	52,165						152,439	42.9
39	York Civic Center	2700 Eglinton Ave W	M6M 1T9	72,915	60	1,586,884	154,789						419,599	44.3
40	North York Central Office	1117 Finch Ave W	M3J 2P7	18,934	60	395,788	44,088						115,017	45.7
41	McBrien Building	1900 Yonge Street	M4S 1Z3	92,751	168	3,839,387	112,864						520,535	54.3
42	Scarborough West Office	1225 Kennedy Rd	M1P 4Y1	19,999	60	510,973	55,092						145,037	54.8
43	Archives and Records Centre	255 Spadina Rd	M5R 2V3	39,590	60	916,492	122,324						304,589	56.0
44	Central Water Services	545 Commissioners St	M4M 1A5	32,679	60	1,275,590	56,279						208,450	57.3
45	North York Civic Centre	5100 Yonge Street	M2N 5V7	303,510	60	8,557,013	971,310						2,520,946	62.2
46	Consolidated Communication Ctr	703 Don Mills Rd	M3C 3N3	132,999	60	8,442,235	155,432						969,242	75.9
47	60 Tiffeld Rd	60 Tiffeld Rd	M1V 5L5	64,831	60	2,709,829	210,627						615,003	76.3
48	Gunn Building	1138 Bathurst Street	M5R 1L4	39,297	168	2,429,437	58,392						304,752	77.6
49	Dee Avenue Lab	30 Dee Ave	M9N 1S9	14,994	60	1,488,766	77,516						265,656	154.2

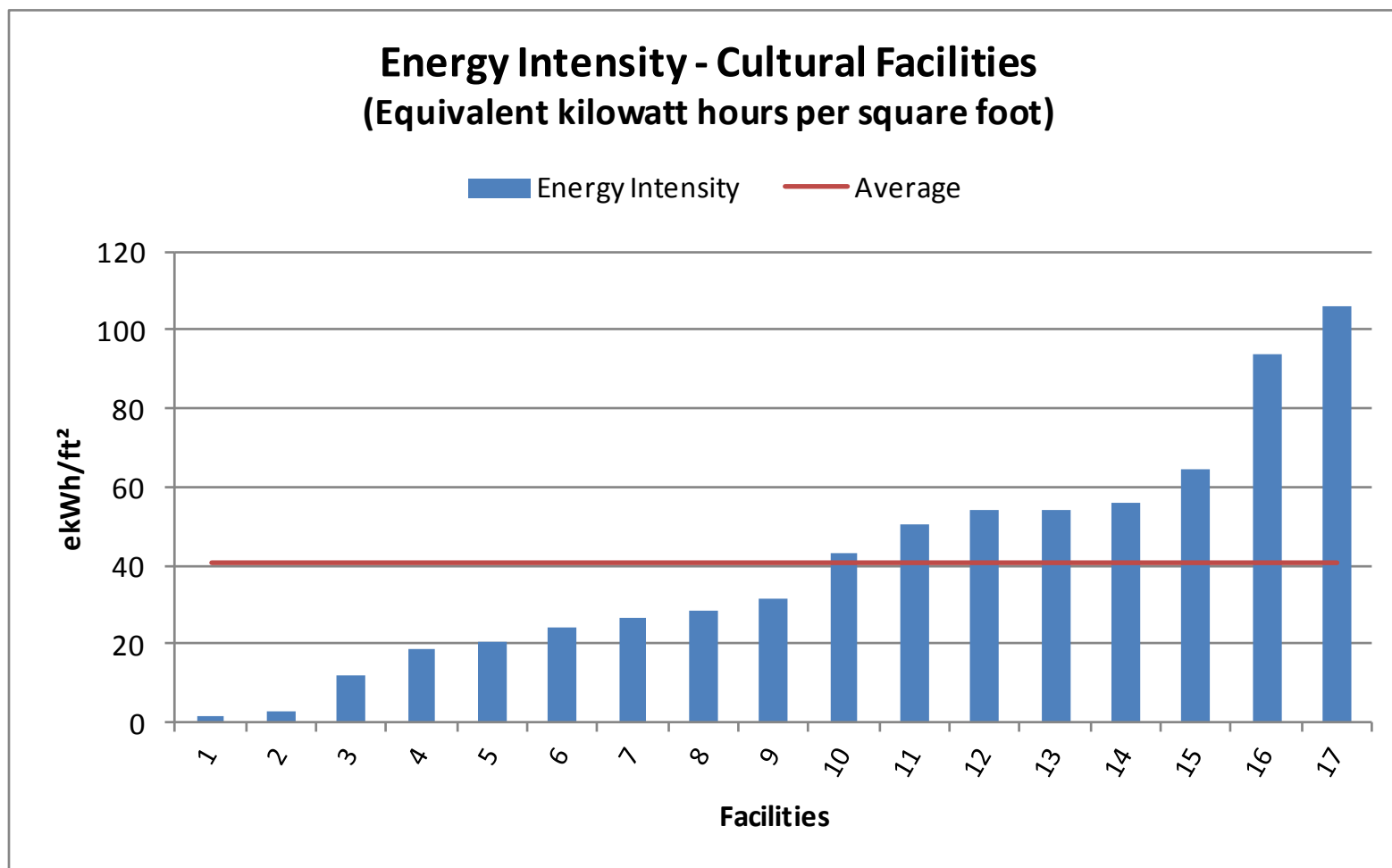
Public Libraries



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Black Creek	1700 Wilson Ave	M3L 1A5	7,093	70	52,833	2,366						8,700	11.0
2	St Clair Silverthorn	1748 St Clair Ave W	M6N 1J3	4,585	70	25,455	2,449						6,667	11.2
3	Mount Dennis	1123 Weston Rd	M6N 3S3	11,345	70	116,357	5,659						20,007	15.6
4	Oakwood Village	341 Oakwood Ave	M6E 2W1	17,287	70	137,147	13,523						36,539	16.2
5	College Shaw	766 College St	M6G 1C2	7,685	70	68,545	6,420						17,622	17.8
6	Mimico	47 Station Rd	M8V 2R1	17,470	70	88,999	22,235						49,158	18.6
7	Guildwood	123 Guildwood Pkwy	M1E 4V2	3,014	70	28,120	2,706						7,366	18.9
8	Richview	1806 Islington Ave	M9P 1L4	47,254	70	627,177	30,164						107,203	20.1
9	Main Street	137 Main St	M4C 1G2	8,665	70	72,282	10,178						25,025	20.8
10	Pleasant View	575 Van Horne Ave	M2J 4S8	6,997	70	10,049	12,901						25,196	21.0
11	Albion	1515 Albion Rd	M9V 1B2	32,281	70	329,871	33,686						90,077	21.3
12	Danforth Coxwell	1675 Danforth Ave	M4C 1H6	9,612	70	130,044	7,562						24,700	21.9
13	Perth Dupont	1589 Dupont St	M6P 3S6	3,627	70	27,546	4,998						11,653	22.2
14	Parkdale	1305 Queen St W	M6K 1L4	24,079	70	290,909	23,906						68,470	22.6
15	Downsview	2793 Keele St	M3M 2G3	20,021	70	285,239	16,511						54,034	23.0
16	Steeles	375 Bamburgh Cir	M1W 3Y1	5,005	70	79,682	3,376						12,757	23.1
17	Mount Pleasant	599 Mt Pleasant Rd	M4S 1P1	5,834	70	68,179	6,484						17,714	23.5
18	Parliament	269 Gerrard St E	M5A 2G1	14,639	70	189,537	14,629						42,821	23.6
19	Morningside	4279 Lawrence Ave E	M1E 2S8	6,997	70	122,740	4,354						18,052	24.2
20	Gerrard Ashdale	1432 Gerrard St E	M4L 1Z6	6,501	70	58,771	9,324						22,329	24.3
21	New Toronto	110 Eleventh St	M8V 3G6	9,924	70	134,157	10,057						29,746	24.3
22	Sanderson	327 Bathurst St	M5T 1J1	12,701	70	171,598	13,179						38,645	24.5
23	Jane & Dundas	620 Jane St	M6S 4A6	11,603	70	139,061	13,752						37,125	24.6
24	Rexdale	2243 Kipling Ave	M9W 4L3	5,091	70	41,071	7,953						18,321	24.7
25	Weston	2 King St	M9N 1K9	11,948	70	167,043	12,113						36,264	24.8
26	S Walter Stewart	170 Memorial Park Dr	M4J 2K5	24,133	70	413,788	19,120						69,252	25.6
27	North York Central	5120 Yonge St	M2N 5N9	168,014	70	2,674,668	158,550						513,732	25.9
28	Woodview Park	16-18 Bradstock Rd	M9M 1M8	5,360	70	55,022	8,144						19,800	26.4
29	Long Branch	3500 Lakeshore Blvd W	M8W 1N4	6,415	70	75,686	8,886						22,854	26.5
30	Albert Campbell District	496 Birchmount Rd	M1K 1N8	26,102	70	507,163	17,921						74,455	26.7
31	Bendale	1515 Danforth Rd	M1J 1H5	8,503	70	111,512	11,165						30,030	27.1
32	Agincourt District	155 Bonis Ave	M1T 3W6	26,996	70	685,516	4,359						63,082	27.1
33	Humber Bay	200 Parklawn Rd	M8Y 3J1	2,400	70	41,120	2,371						7,771	27.6
34	Maryvale	85 Ellesmere Rd	M1R 4B9	4,424	70	41,035	7,671						17,787	27.7

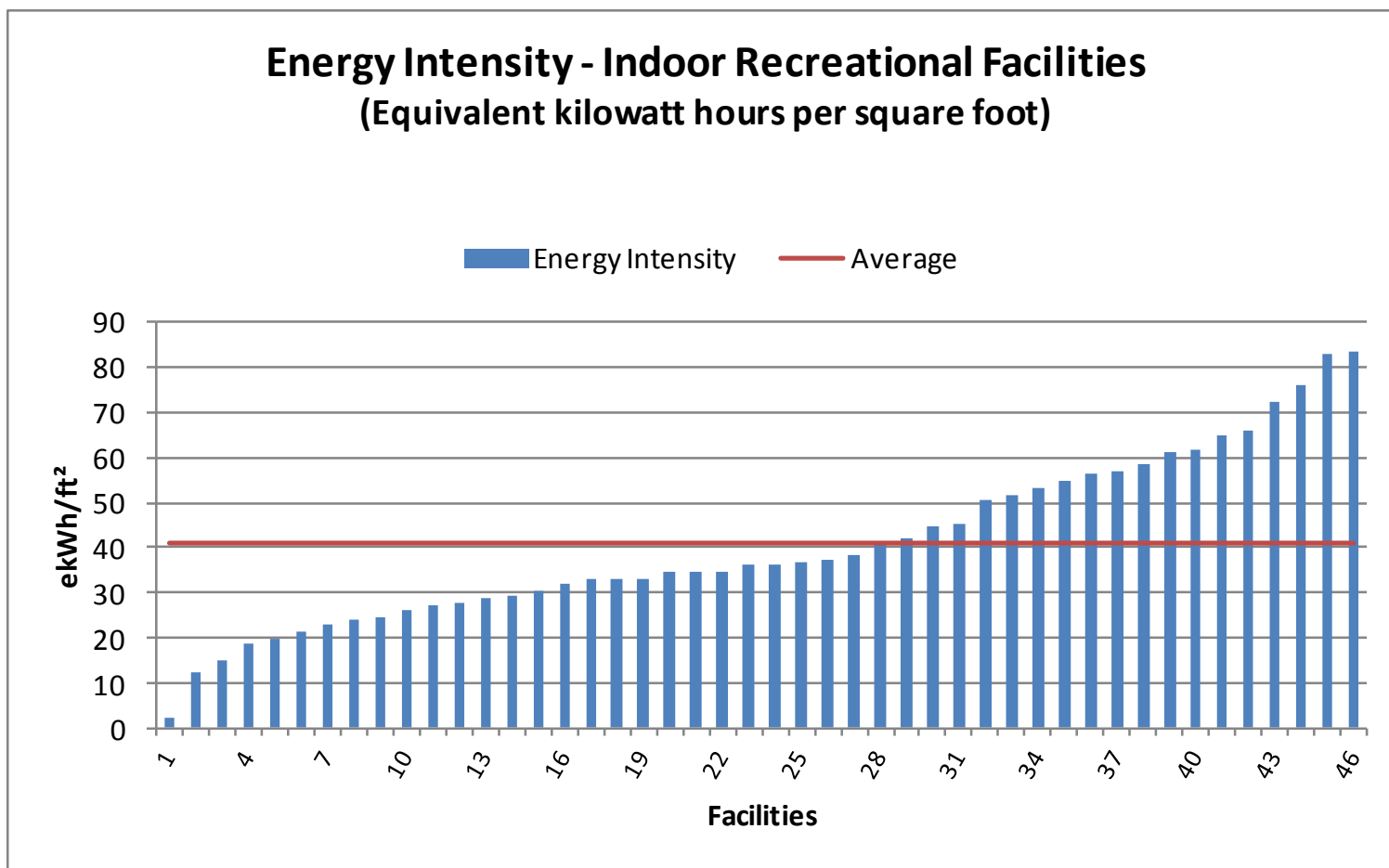
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						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
35	Fairview Mall	35 Fairview Mall Dr	M2J 4S4	64,670	70	1,267,770	50,772						197,412	27.9
36	Humber Summit	2990 Islington Ave	M9L 2K9	9,042	70	110,624	13,552						34,472	28.2
37	Elmbrook Park	2 Elmbrook Crescent	M9C 5B4	3,595	70	62,977	3,647						11,934	28.3
38	Toronto Reference Library	789 Yonge St	M4W 2G8	416,025	70	7,621,550	419,154						1,402,189	29.0
39	York Woods	1785 Finch Ave W	M3N 1M6	42,173	70	717,191	49,829						151,584	29.6
40	Highland Creek	3550 Ellesmere Rd	M1C 3Z2	6,997	70	108,198	9,355						26,343	29.7
41	Victoria Village	184 Sloane Ave	M4A 2C5	5,382	70	60,383	9,544						22,875	30.1
42	Pape Danforth	701 Pape Ave	M4K 3S6	8,181	70	155,973	8,574						28,687	30.2
43	Dufferin St Clair	1625 Dufferin St	M6H 4H4	8,966	70	125,331	14,382						37,218	31.0
44	Don Mills	888 Lawrence Ave E	M3C 3L2	21,560	70	417,630	24,370						79,485	31.4
45	Woodside Square	1571 Sandhurst Circle	M1V 1V2	9,795	70	141,616	16,195						41,947	32.0
46	Centennial	578 Finch Ave W	M2R 1N7	6,867	70	103,198	11,055						29,157	32.1
47	Annette Street	145 Annette St	M6P 1R3	7,804	70	177,005	9,138						31,437	35.1
48	Palmerston	560 Palmerston Ave	M6G 1K4	8,493	70	298,408							23,873	35.1
49	High Park	228 Roncesvalles Ave	M6R 2L7	9,494	70	147,939	17,596						45,103	35.3
50	Spadina Road	10 Spadina Rd	M5R 2S7	3,950	70	54,379	8,023						19,519	35.4
51	Evelyn Gregory	120 Trowell Ave	M6M 1L7	6,200	70	84,412	13,204						31,717	36.2
52	Beaches	2161 Queen St E	M4L 1J1	7,804	70	142,555	13,407						36,753	36.5
53	Riverdale	370 Broadview Ave	M4M 2H1	9,655	70	210,282	13,752						42,822	36.9
54	Cliffcrest	3017 Kingston Rd	M1M 1P1	4,898	70	91,694	8,554						23,508	37.3
55	Barbara Frum	20 Covington Rd	M6A 3C1	39,224	70	818,614	61,139						181,081	37.4
56	Taylor Memorial	1440 Kingston Rd	M1N 1R3	5,005	70	53,383	13,070						28,982	38.4
57	Deer Park	40 St Clair Ave E	M4T 1M9	16,576	70	383,829	24,133						76,332	38.6
58	Wychwood	1431 Bathurst St	M5R 3J2	6,383	70	126,152	12,241						33,236	40.1
59	Amesbury Park	1565 Lawrence Ave W	M6L 1A8	6,318	70	93,719	15,338						36,496	40.6
60	Yorkville	22 Yorkville Ave	M4W 1L4	9,052	70	190,505	17,238						47,832	41.3
61	Runnymede	2178 Bloor St W	M6S 1M8	7,955	70	142,673	17,504						44,506	41.3
62	Jones	118 Jones Ave	M4M 2Z9	3,638	70	47,657	9,716						22,181	41.5
63	Brookbanks	210 Brookbanks Dr	M3A 1Z5	7,933	70	107,357	21,122						48,523	41.8
64	Hillcrest	5801 Leslie St	M2H 1J8	7,470	70	125,796	19,238						46,435	44.2
65	Leaside	165 McRae Dr	M4G 1S8	11,991	70	245,235	29,280						74,977	46.4
66	Goldhawk Park	295 Alton Towers Cir	M1V 5E3	7,998	70	303,673	14,548						51,799	57.3
67	Bloor Gladstone	1101 Bloor St W	M6G 1L6	11,410	70	392,916	32,718						93,292	64.9
68	Locke	3083 Yonge St	M4N 2K7	11,647	70	193,957	63,258						135,113	74.4
69	Martin Ross Serv Bldg	120 Martin Ross Ave	M3J 2L4	27,997	70	1,678,105	41,958						213,576	75.9
70	Lillian H Smith	239 College St	M5T 1R2	38,933	70	1,057,443	192,620						448,767	79.7
71	Northern District	40 Orchard View Blvd	M4R 1B9	45,800	70	2,733,433	162,785						526,440	97.5

Cultural Facilities



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Martin Grove House / Bungalow	410 Martin Grove Rd	M9B 4L9	18,140	100	10,835	1,325						3,372	1.4
2	The Guild Inn	201 Guildwood Pky	M1E 1P5	95,777	100	73,642	18,109						40,129	2.8
3	Gibson House Museum	5172 Yonge St	M2N 5P6	8,364	100	102,514							8,201	12.3
4	Historic Fort York	100 Garrison Rd	M5V 3K9	22,819	100	268,202	14,681						49,212	18.6
5	W.J. Morrish House	6282 Kingston Rd	M1C 1K9	4,047	100	26,492	5,251						12,047	20.3
6	Spadina House Museum	285 Spadina Rd	M5R 2V5	27,588	100	104,817	52,506						107,655	24.0
7	Neilson Pk Creative Arts	56 Neilson Dr	M9C 1V7	12,346	100	173,430	14,555						41,393	26.6
8	Colborne Lodge	1 Colborne Lodge Dr	M6P 3K7	8,547	100	118,410	11,763						31,713	28.5
9	Civic Garden Centre	755 Lawrence Ave E	M3B 2G3	36,952	100	534,235	58,796						153,901	31.4
10	Montgomery's Inn	4709 Dundas St W	M9A 1A8	7,642	100	278,133	5,024						31,749	43.4
11	Zion School House	1091 Finch Ave E	M2J 2X1	1,582	100	41,123	3,642						10,176	50.5
12	Edwards Gardens	755 Lawrence Ave E	M3B 2G3	10,021	100	85,167	42,809						87,749	53.9
13	Lakeshore Assembly Hall	1 Colonel Samuel Dr	M8V 4B6	14,596	100	370,761	39,629						104,584	54.3
14	Mackenzie House Museum	82 Bond St	M5B 1X2	2,573	100	31,328	10,559						22,469	55.8
15	Allan Gardens	160 Gerrard St E /19 Horticultur	M5A 2E4	25,177	100	192,547	134,090						268,918	64.3
16	Zion Methodist Church	1650 Finch Ave E	M2J 4X9	2,002	100	119,420	6,491						21,826	94.1
17	William Goodwin House	355 Lesmill Rd	M3B 2V1	818	100	28,812	5,466						12,639	106.2

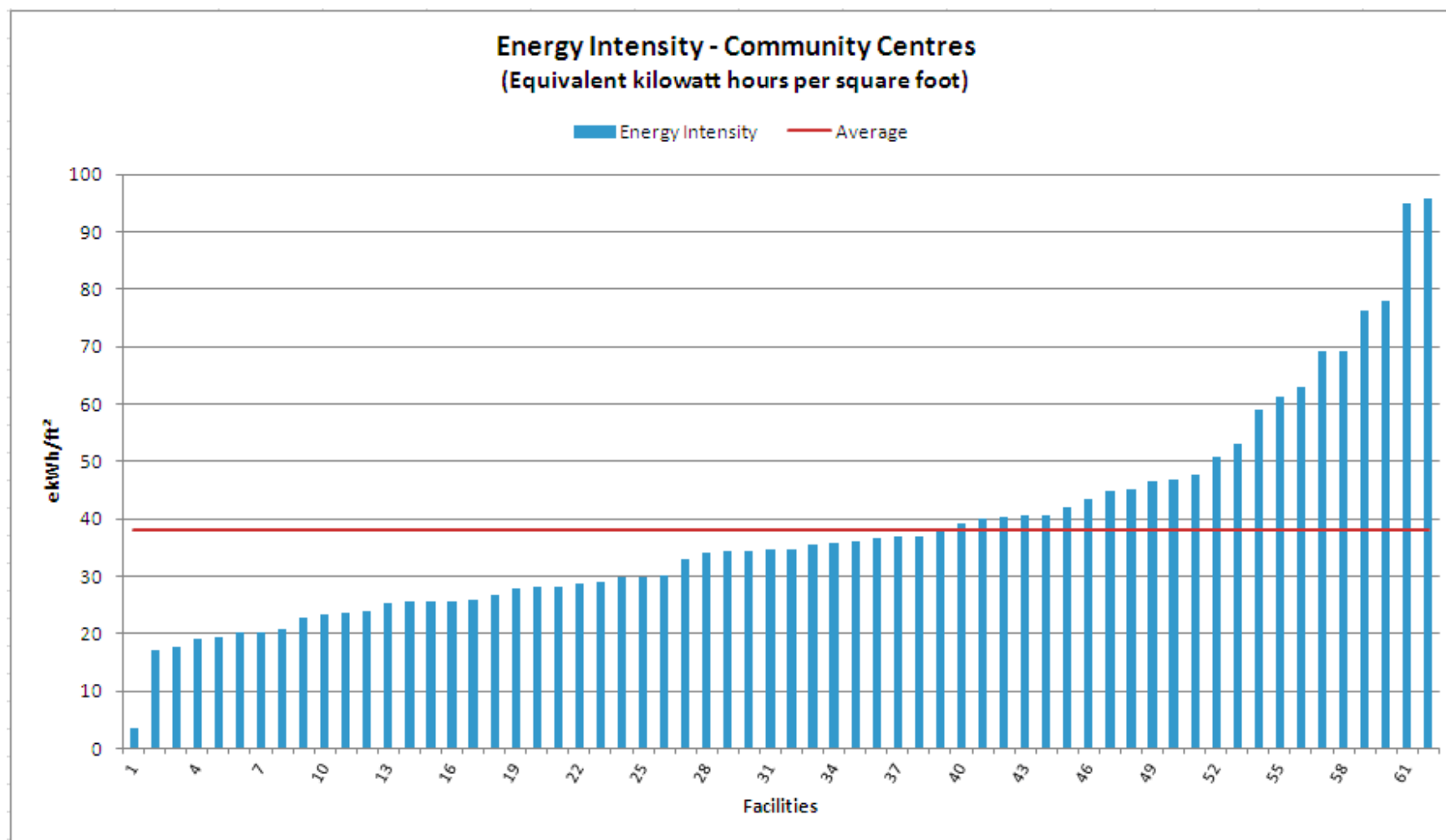
Indoor Recreational Facilities



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Markdale Rec & Daycare	41 Markdale Ave	M6C 1T4	30,516	100	39,251	3,641						10,025	2.6
2	Maple Leaf Cottage	62 Laing St	M4L 2N4	2,842	100	7,099	2,584						5,454	12.2
3	Bennington Heights Clubhouse	457 Heath Ave	M4G 4E7	1,432	100	9,742	1,140						2,936	15.3
4	Islington Senior Centre	4968 Dundas St W	M9A 1B7	9,967	100	73,580	10,854						26,407	19.0
5	Scarb Boys and Girls Club	4040 Lawrence Ave E	M1E 2R5	7,707	100	104,061	4,615						17,050	19.9
6	Horner Senior Centre	320 Horner Ave	M8W 1Z3	4,252	100	32,945	5,406						12,857	21.3
7	St Albans Boys Club	843 Palmerston Ave	M6G 2R8	23,293	100	314,985	20,456						63,874	22.9
8	Whitlam Warehouse	25 Whitlam Ave	M8V 2K1	24,865	100	86,934	48,603						98,845	24.3
9	Roding Arena & R.C	600 Roding St	M3M 2A6	30,494	100	661,275	8,424						68,829	24.6
10	Stan Wadlow Clubhouse	373 Cedarvale Ave	M4C 4K7	10,323	100	122,496	13,815						35,920	26.1
11	Keele St 1652	1652 Keele St	M6M 3W3	22,497	100	561,495	4,552						53,525	27.1
12	Leaside Gardens Curling Club	1073A Millwood Ave	M4G 1X6	27,814	100	373,607	36,917						99,686	27.5
13	Dovercourt B&G Club	155 Bartlett Ave	M6H 3G1	23,971	100	1,682	64,990						123,007	28.9
14	S.H Armstrong R.C	56 Woodfield Rd	M4L 2W6	18,277	100	247,504	27,589						71,961	29.6
15	Flemingdon RC & Pool	29 St Dennis Dr	M3C 1E7	34,348	100	684,208	33,877						118,786	30.4
16	Gord & Irene Risk Arena & R.C	2650 Finch Ave W	M9M 3A3	44,304	100	732,112	63,883						179,347	31.8
17	Trace Manes Clubhouse	110 Rumsey Rd	M4G 1P2	6,329	100	58,265	14,094						31,308	32.9
18	Oriole Arena & R.C	2975 Don Mills Rd	M2J 3B7	64,347	100	1,359,176	72,491						245,787	33.1
19	George Webster Clubhouse	30-40 Chapman Ave	M4B 1C1	1,302	100	15,197	2,645						6,217	33.3
20	Goulding Arena & R.C	45 Goulding Ave	M2M 1K8	43,540	100	736,198	72,628						196,208	34.6
21	Matty Eckler R.C	953 Gerrard St E	M4M 1Z4	47,383	100	468,025	110,743						246,816	34.7
22	Mililken Park Rec Center	4325 McCowan Rd	M1V 4P1	17,631	100	322,099	27,546						77,847	34.9
23	Topham Park Clubhouse	1 Tiago Ave	M4B 3J3	3,283	100	28,630	8,430						18,229	36.0
24	Todmorden Mills Butler Building	67 Pottery Rd	M4K 2B9	17,707	100	299,950	32,451						85,349	36.4
25	Joseph J. Piccininni R.C	1369 St Clair Ave W	M6E 1C5	70,030	100	1,198,492	130,909						343,379	37.0

	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
26	Grandravine Arena & R.C	25 Grandravine Dr	M3J 1B1	33,637	100	568,060	65,326						168,952	37.5
27	John Booth Arena & R.C	230 Gosford Blvd	M3N 2H1	27,007	100	622,792	39,024						123,602	38.4
28	Malvern R.C	30 Sewells Rd	M1B 3G5	106,466	100	2,765,987	148,693						502,403	40.8
29	East York Curling Club House	901 Cosburn Ave	M4C 2W7	17,868	100	353,401	37,873						99,876	42.3
30	Willowdale Lawn Bowling	150 Beecroft Rd	M2N 5Z5	2,293	100	60,577	3,965						12,343	44.8
31	Davisville Park/Tennis	218 Davisville Ave	M4S 1H2	2,777	100	41,198	7,963						18,351	45.3
32	Centennial R.C (Ice Galaxy)	1967 Ellesmere Rd	M1H 2W5	102,375	100	2,466,695	253,984						677,524	50.5
33	Broadlands R.C & A.I.R	19 Castlegrove Blvd	M3A 1K9	10,667	100	334,701	20,419						65,381	51.7
34	East York Clubhouse	323-525 Cosburn Ave	M4J 2M9	1,001	100	14,342	3,678						8,101	53.4
35	Etobicoke Olympium	590 Rathburn Rd	M9C 3T3	139,995	100	3,037,615	438,083						1,071,260	55.0
36	Fairfield Senior Centre	80 Lothian Ave	M8Z 4K5	14,316	100	107,461	65,762						132,929	56.3
37	North Toronto Mem Rec Ctr	200 Eglinton Ave W	M4R 1C3	74,820	100	1,779,029	231,593						580,178	56.7
38	University Settlement House R.C	23 Grange Rd	M5T 1C3	47,566	100	631,541	201,465						431,419	58.3
39	Jimmie Simpson R.C	870 Queen St E	M4M 3G9	43,906	100	1,183,642	140,993						361,257	61.1
40	Antibes Park	140 Antibes Dr	M2R 3J3	18,492	100	426,590	67,502						161,748	61.9
41	Agincourt Arena and R.C	31 Glen Watford Dr	M1S 2B7	93,398	100	2,358,251	350,284						850,917	65.1
42	Pleasantview Arena & R.C	545 Van Horne Ave	M2J 4S8	30,559	100	810,341	112,819						278,125	65.8
43	Pelmo Park Tennis	185 Pelmo Cres	M9N 2P5	2,573	100	97,493	8,305						23,500	72.2
44	W Acres Senior Ctr	10A Arbordell Rd	M9W 4C6	1,798	100	41,513	8,913						20,172	75.8
45	Trinity Comm Rec Ctr	155 Crawford St	M6J 2V5	36,909	100	679,043	223,547						476,968	82.8
46	McCormick R.C	66 Sheridan Ave	M6K 2G9	43,099	100	2,027,134	146,391						438,942	83.1

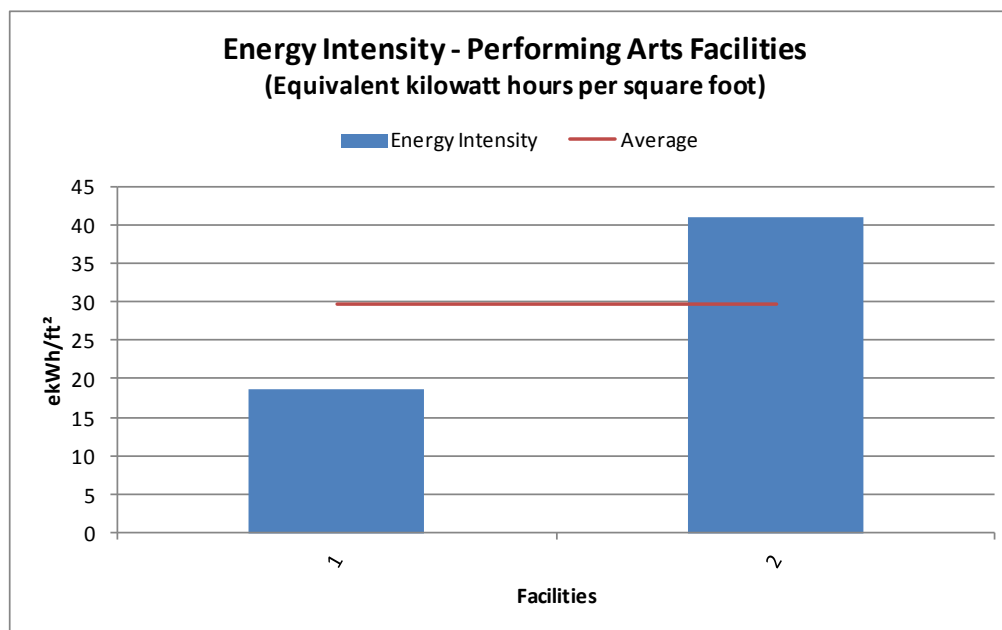
Community Centres



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Burrows Hall Community Complex	1081 Progress Ave	M1B 5Z6	252,952	100	812,050	5,618						75,585	3.4
2	Community Centre 55	97 Main St	M4E 2V6	8,999	100	56,916	9,113						21,782	17.1
3	Swansea Town Hall Comm Ctr	95 Lavinia Ave	M6S 3H9	14,402	100	75,949	16,994						38,204	17.8
4	Harbourfront Community Centre	627 Queens Quay West	M5V 3G3	123,214	100	1,311,618	98,338						290,851	19.1
5	Amesbury Community Center	1507 Lawrence Ave W	M6L 1A8	37,975	100	278,437	43,522						104,558	19.5
6	Tall Pines C.C	64 Rylander Blvd	M4B 1V4	5,188	100	48,778	5,234						13,797	20.1
7	Cedar Brook C.C	91 Eastpark Blvd	M1H 1C6	14,951	100	151,979	14,344						39,277	20.4
8	Armour Height C.C	2140 Avenue Rd	M5M 4M7	19,773	100	184,281	21,524						55,436	20.9
9	Commander Park C.C	140 Commander Blvd	M1S 3H7	56,317	100	972,294	29,363						133,299	22.8
10	Banbury C.C.	120 Banbury Rd	M3B 2L3	9,537	100	97,800	11,688						29,922	23.3
11	Lakeshore Community Ctr	2445 Lakeshore Blvd W	M8V 1E1	5,952	100	36,618	9,825						21,505	23.7
12	Northwood C.C	15 Clubhouse Crt	M3L 2K5	36,167	100	332,793	50,282						121,687	24.0
13	Ellesmere C.C	20 Canadian Rd	M1R 4B4	24,402	100	228,254	36,905						88,034	25.4
14	West Rouge C.C	270 Rouge Hills Dr	M1C 2Z1	24,402	100	209,825	38,810						90,161	25.5
15	Oakdale Community Center	350 Grandravine Dr	M3N 1J4	10,000	100	75,107	17,020						38,186	25.6
16	Cedar Ridge C.C	225 Confederation Dr	M1G 1B2	13,110	100	173,909	15,326						42,888	25.7
17	Davenport C.C	1347 Davenport Rd	M6H 2H5	2,282	100	1,050	5,450						10,388	25.8
18	Birkdale C.C	1299 Ellesmere Rd	M1P 2Y2	11,733	100	255,085	5,415						30,645	26.6
19	Masaryk-Cowan C.R.C	220-224 Cowan Av	M6K 2N6	32,270	100	659,851	22,845						95,979	28.0
20	Humber Sheppard Community Ctr	3100 Weston Rd	M9M 2T4	57,867	100	276,488	127,374						262,936	28.2
21	Flemingdon C.C	150 Grenoble Dr	M3C 1E3	10,000	100	99,661	17,178						40,450	28.2
22	Eastview Neighbourhood Comm Ctr	86 Blake St	M4J 3C9	25,510	100	412,019	29,973						89,630	28.6
23	Jenner Jean-Marie C.C.	48 Thorncliffe Park Dr	M4H 1J7	13,207	100	75,106	28,880						60,611	28.9
24	Mount Dennis Community Ctr	4 Hollis St	M6M 4M9	3,003	100	48,305	3,900						11,237	29.9
25	Curran Hall C.C	277 Orton Park Rd	M1G 3T4	2,508	100	51,519	2,213						8,306	29.9
26	Harwood Hall Community Ctr	85 Cayuga Ave	M6N 2G4	4,306	100	30,315	9,347						20,097	30.1
27	Thistletown C.C	925 Albion Rd	M9V 1A6	44,810	100	341,314	106,434						228,533	32.9
28	Earl Bales C.C & Senior	4169 Bathurst St	M3H 3P7	21,657	100	391,381	32,851						93,420	34.2
29	Lawrence Heights C.C.	9 Replin Rd	M6A 2M8	22,152	100	291,013	44,179						106,808	34.3
30	Leslie Grove Park	1158 Queen St E	M4M 1L3	1,389	100	4,828	4,039						8,022	34.4

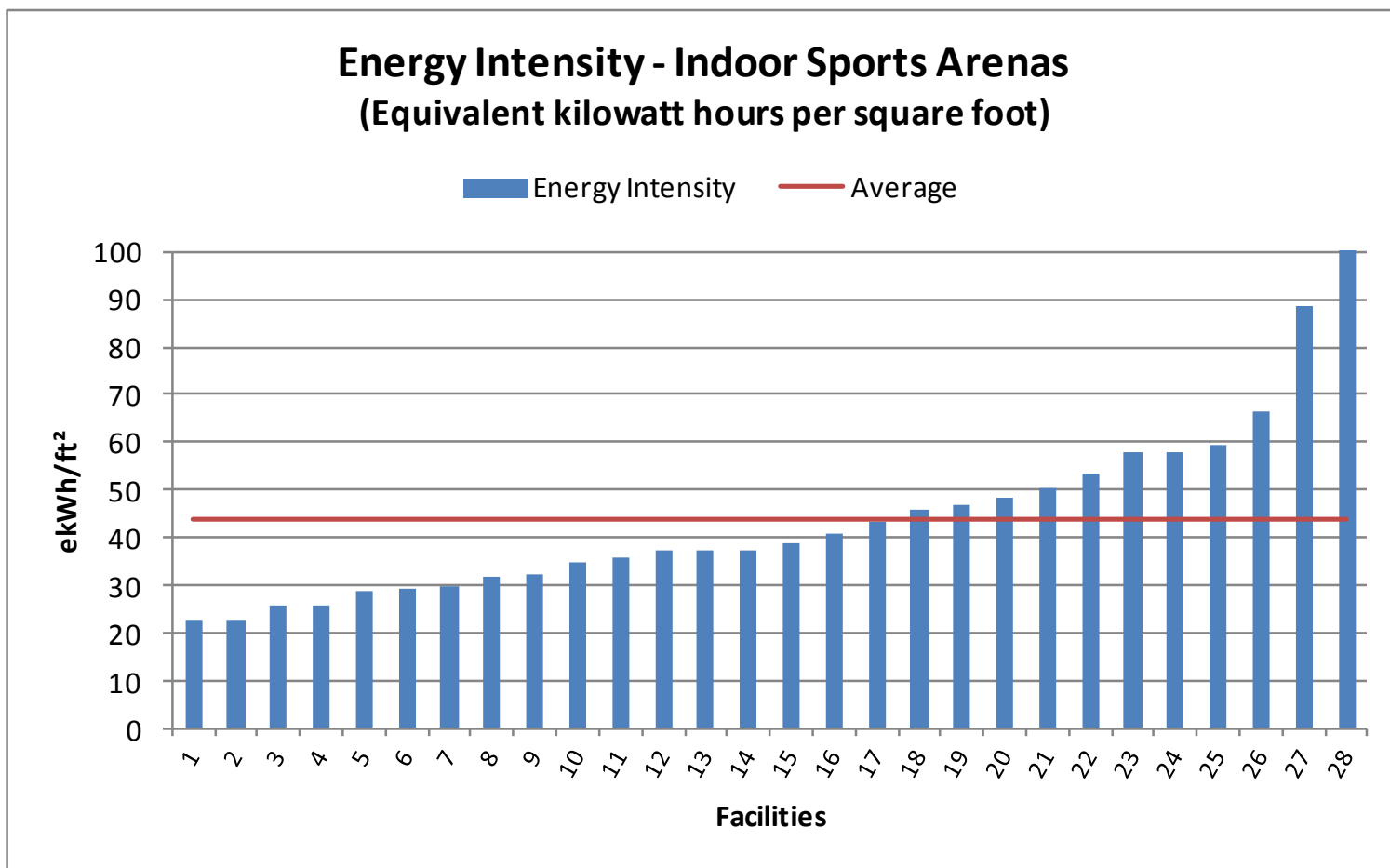
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						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor			
31	Forest Hill C.C	666 Eglinton Ave W	M5N 1C8	32,841	100	653,511	45,318						137,961	34.6	
32	Driftwood C.C	4401 Jane St	M3N 2K3	25,015	100	386,517	45,491						116,928	34.8	
33	Oakridge C.C	63 Pharmacy Ave	M1L 3E4	18,600	100	336,142	30,376						84,320	35.4	
34	Falstaff C.C	50 Falstaff Ave	M6L 2E3	13,853	100	150,236	32,353						73,186	35.7	
35	Ralph Thornton Community Ctr	765 Queen St E	M4M 1H3	17,061	100	211,605	38,100						88,961	36.1	
36	Mid-Scarborough C.C	2467 Eglinton Ave E	M1K 2R1	89,125	100	1,722,683	146,085						414,007	36.7	
37	Elmbank Community Centre	10 Rampart Rd	M9V 4L9	14,725	100	274,685	25,278						69,766	36.9	
38	Fairbanks Community Centre	2213 Dufferin St	M6E 3S2	19,364	100	275,872	41,473						100,480	37.0	
39	Scarborough Village C.C	3600 Kingston Rd	M1M 1R9	58,125	100	937,376	118,110						298,293	37.7	
40	Berner Trail C.C	120 Berner Trail	M1B 1B3	10,204	100	201,610	18,735						51,550	39.3	
41	Heron Park C.C	4285 Lawrence Ave E	M1E 3S1	52,377	100	1,134,473	91,212						263,206	40.2	
42	Main Square Comm Ctr	245 Main St	M4C 1G2	35,123	100	602,676	76,229						192,335	40.2	
43	Port Union C.C	5450 Lawrence Ave E	M1C 3B2	19,978	100	480,969	30,862						96,827	40.5	
44	Stanley C.C	25 Stanley Rd	M3N 1C2	12,895	100	242,392	26,477						69,449	40.6	
45	O'Connor C.C	1386 Victoria Park Ave	M4A 2L9	16,253	100	271,084	38,867						95,170	42.1	
46	Niagara C.C	700 Wellington St W	M5V 1G7	5,296	100	168,521	5,804						24,454	43.5	
47	Ourland Community Ctr	18 Ourland Ave	M8Z 4C9	9,451	100	171,357	23,667						58,455	44.7	
48	Scadding Court Community Ctr	707 Dundas St W	M5T 2W6	46,694	100	744,412	128,621						302,727	45.2	
49	Tam Heather C.C	730 Military Trail	M1E 5A9	28,546	100	58,831	119,275						230,211	46.5	
50	McGregor Park C.C	2231 Lawrence Ave E	M1P 2P5	45,262	100	1,181,545	88,670						262,165	46.9	
51	East York Community Centre	1081A Pape Ave	M4K 3W6	31,000	100	483,481	93,262						215,002	47.6	
52	John Innes C.C	150 Sherbourne St	M5A 2R6	24,176	100	430,406	74,851						175,947	50.7	
53	Ledbury Community Center	160 Ledbury St	M5M 1X2	5,780	100	149,776	14,769						39,906	53.1	
54	St Lawrence C.C	224 The Esplanade	M5A 4J6	46,113	100	926,063	169,490						394,528	59.1	
55	519 Church St Comm Ctr	519 Church St	M4Y 2C9	15,554	100	518,036	41,084						119,117	61.4	
56	David Appleton Community Centre	33A Pritchard Ave	M6N 1T1	2,906	100	78,145	9,862						24,897	63.0	
57	Glenlong C.C & A.I.R	35 Glen Long Ave	M6B 2M1	10,236	100	318,060	36,636						94,711	69.1	
58	Cecil Community Ctr	58 Cecil St	M5T 1N6	5,769	100	94,925	28,658						61,775	69.2	
59	Chapley C.C / Wilmington Park	205 Wilmington Ave	M3H 6B3	6,997	100	357,856	16,493						59,811	76.2	
60	Birchmount C.C	93 Birchmount Rd	M1N 3J7	46,167	100	1,398,919	206,534						502,392	77.8	
61	St James Town C.C.	495 Sherbourne St	M4X 1K7	23,002	100	1,135,532	98,739						277,521	95.0	
62	Albion Comm Ctr & Pool (indoor)	1485 Albion Rd	M9V 1B2	20,688	100	494,388	140,180						304,580	95.9	

Performing Arts Facilities



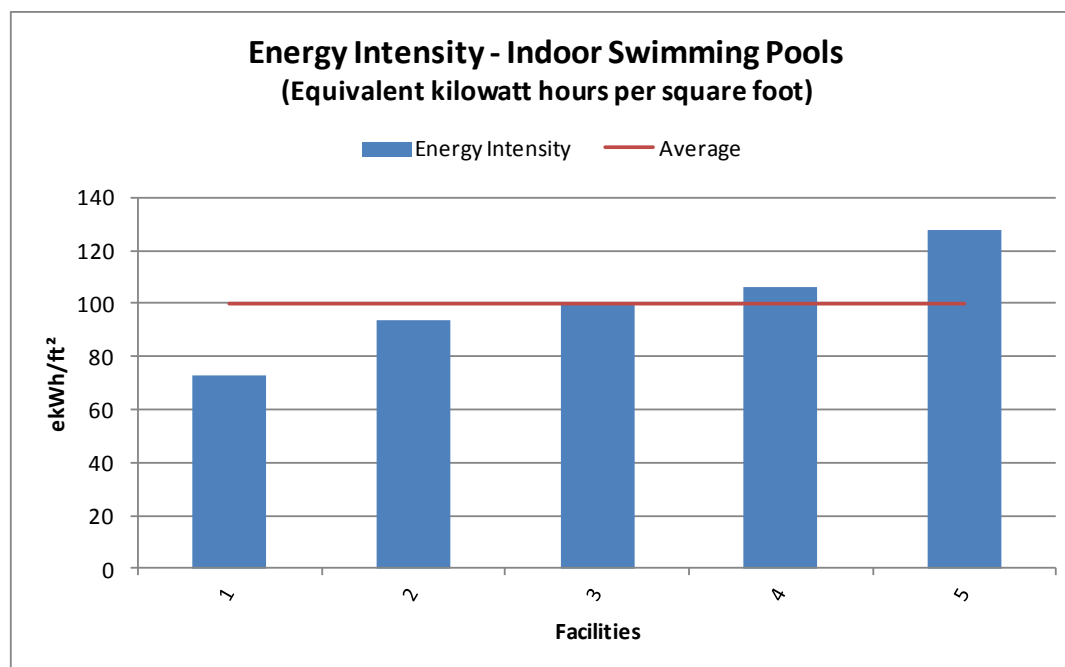
	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Toronto Centre for the Arts	5040 Yonge St	M2N 6R8	177,992	100	2,093,506	114,379						383,729	18.6
2	St Lawrence Centre	27 Front St E	M5E 1B4	80,729	100	1,697,850		5,792					480,550	41.0

Indoor Sports Arenas



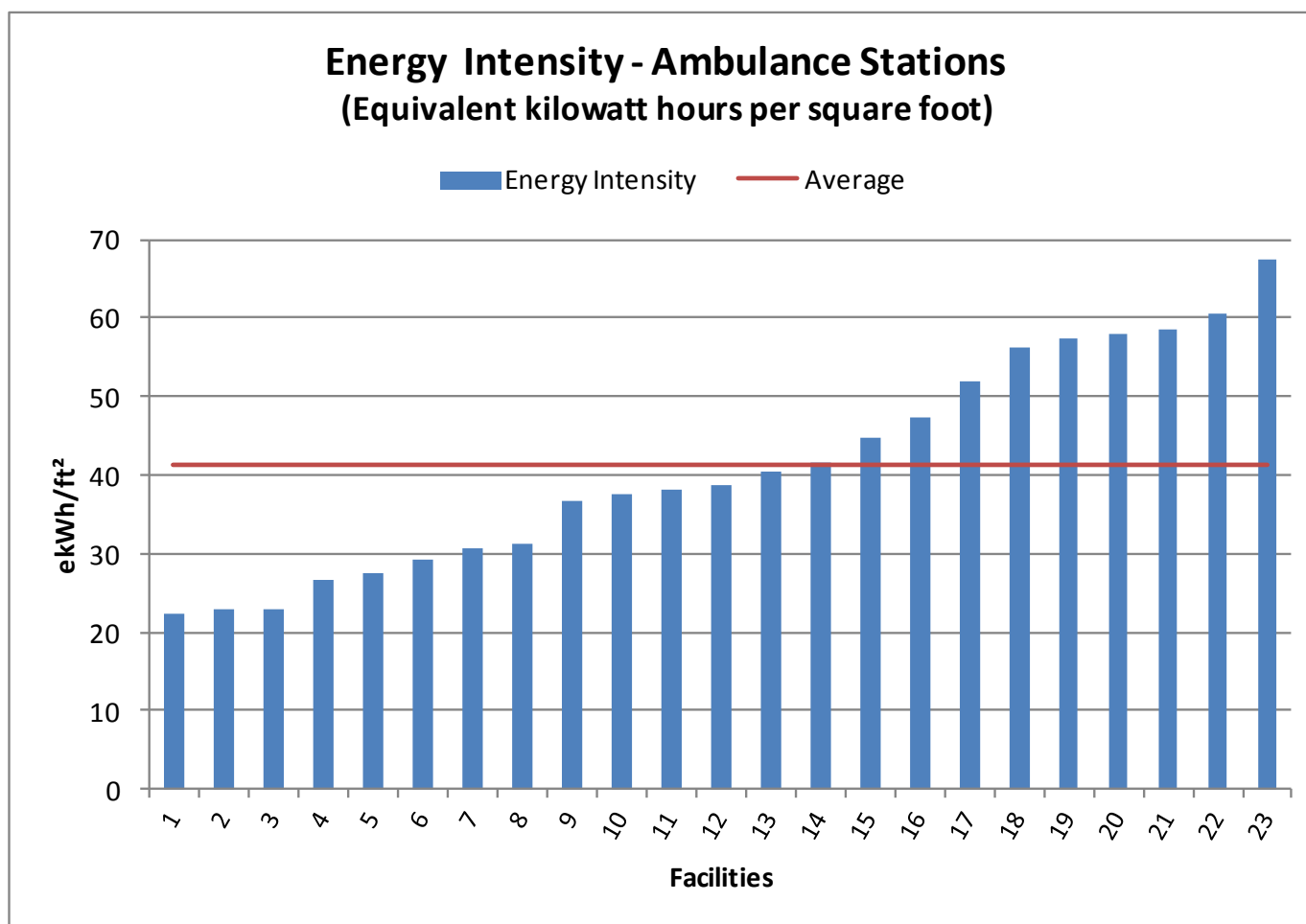
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						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Mimico Arena	31 Drummond St	M8V 1Y7	35,607	100	459,965	32,735						98,688	22.7
2	Albion Arena	1501 Albion Rd	M9V 1B2	32,658	100	457,575	27,478						88,557	23.0
3	George Bell Arena	215 Ryding Ave	M6N 1H6	41,785	100	576,206	46,330						133,689	25.6
4	Pine Point Arena	15 Grierson Rd	M9W 3R6	32,001	100	517,959	29,614						97,426	26.0
5	Flemingdon Arena	165 Grenoble Dr	M3C 1E3	25,640	100	394,111	32,839						93,616	29.0
6	Chris Tonks Arena	2801 Eglinton Ave	M6M 5B4	23,638	100	410,761	26,470						82,905	29.3
7	Fenside Arena	30 Slidell Cres	M3A 2C4	26,307	60	391,700	37,328						101,909	30.0
8	Phil White Arena	443 Arlington Ave	M6C 3A4	25,941	100	599,027	21,395						88,373	31.9
9	Bayview Arena	3230 Bayview Ave	M2M 3R7	28,417	100	443,496	44,888						120,346	32.4
10	Long Branch Arena	75 Arcadian Crcl	M8W 2Z5	25,629	100	533,401	33,325						105,678	34.6
11	Habitant Arena	3383 Weston Rd	M6N 3P6	26,307	100	431,621	47,848						124,992	35.7
12	Scarborough Arena Gardens	75 Birchmount Rd	M1N 3J7	38,319	100	725,764	65,747						182,364	37.2
13	Baycrest Arena	160 Neptune Dr	M6A 2Y3	27,060	100	454,507	52,182						135,017	37.3
14	York Mills Arena	2539 Bayview Ave	M2L 1A9	23,573	100	519,348	34,002						105,834	37.4
15	Lambton Park Arena	4100 Dundas St W	M6S 2T7	24,854	100	578,040	36,836						115,886	39.0
16	Etoib Centennial Arena	56 Centennial Park Rd	M9C 5H1	65,466	100	1,999,161	62,846						278,752	40.7
17	Don Mills Arena	1030 Don Mills Rd	M3C 1W6	27,857	100	514,520	65,335						164,685	43.4
18	Victoria Village Arena	190 Bermondsey Ave	M4A 1X9	33,637	100	908,599	59,577						185,326	45.8
19	McCormick Arena	66 Sheridan Ave	M6K 2G9	37,082	100	1,013,567	67,933						209,521	46.8
20	Forest Hill Memorial Arena	340 Chaplin Cres	M5N 2N3	40,666	100	1,234,646	68,733						228,720	48.3
21	East York Arena	888 Cosburn Ave	M4C 2W6	30,257	100	723,170	75,373						200,357	50.4
22	Downsview Arena	1633 Wilson Ave	M3L 1A5	34,218	100	688,930	107,802						258,928	53.6
23	Herbert Carnegie Centennial Arena	580 Finch Ave W	M2R 1N7	42,270	100	984,392	137,717						339,122	57.9
24	Mitchell Field Arena	89 Church Ave	M2N 4G1	30,182	100	911,033	79,000						222,243	58.0
25	Moss Park Arena	140 Sherbourne St	M5A 2R6	22,335	100	903,215	39,990						147,864	59.5
26	Amesbury Arena	155 Culford Rd	M6M 4K6	26,942	100	729,398	99,946						247,312	66.5
27	Cummer Arena	6000 Leslie St	M2H 1J9	34,348	100	1,411,281	153,060						402,283	88.4
28	Central Arena	44 Montgomery Rd	M8X 1Z4	32,001	100	1,354,744	175,426						440,044	100.6

Indoor Swimming Pools



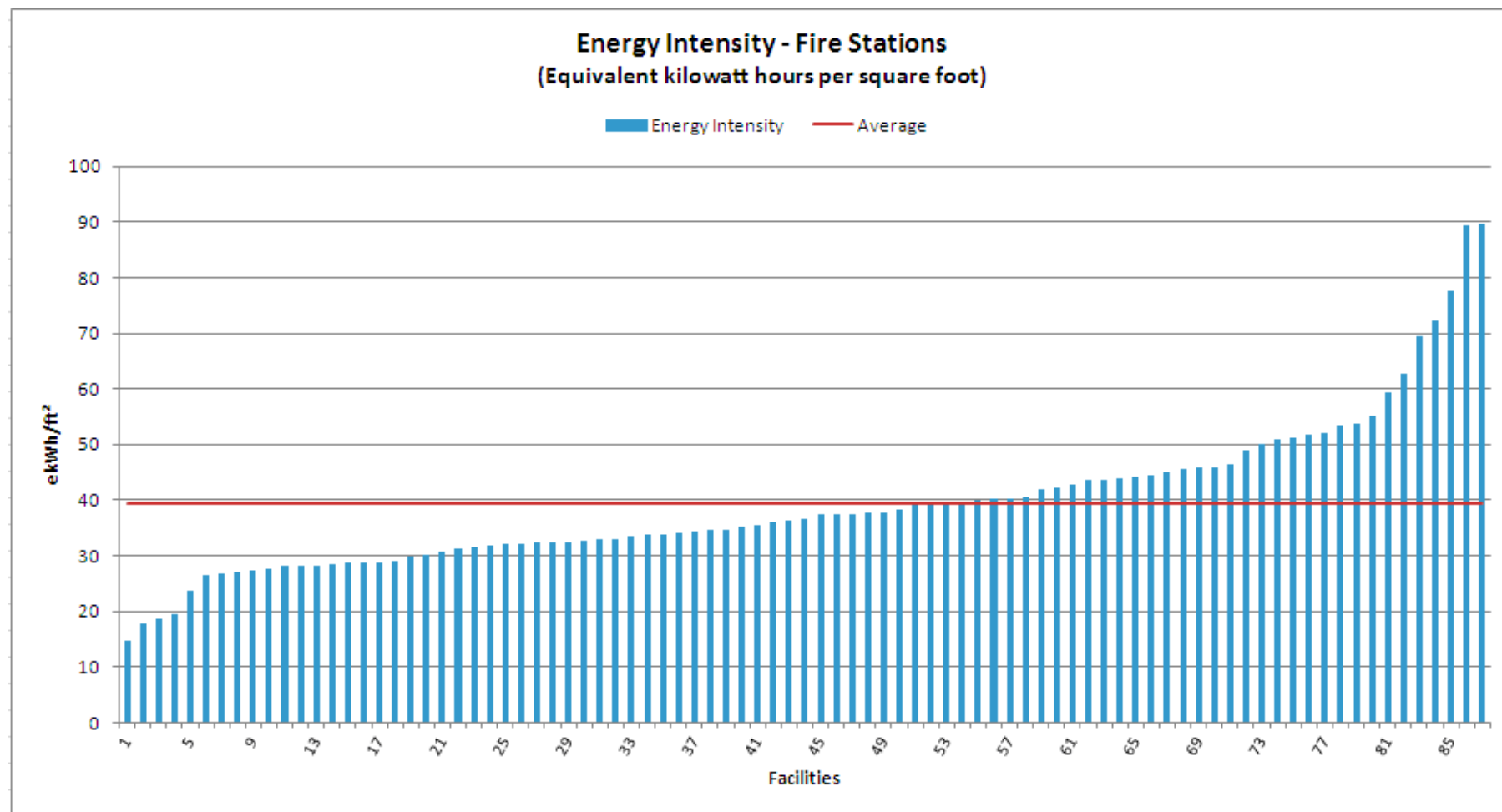
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						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Harrison Pool	15 Stephanie St	M5T 1B1	15,263	100	197,115	86,317						178,962	73.0
2	Norseman Pool (indoor)	105 Norseman St	M8Z 2P8	19,052	100	393,313	130,374						277,954	93.4
3	Douglas Snow Aquatic Center	5100 Yonge St	M2N 5V7	40,666	100	941,271	292,942						629,146	99.7
4	The Elms Pool (indoor)	45 Golfdown Dr	M9W 2H5	13,885	100	415,082	99,502						221,327	106.1
5	Gus Ryder Pool (indoor)	302 Birmingham St	M8V 3L9	21,097	100	922,443	166,836						389,221	127.8

Ambulance Stations



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	50 Toryork	50 Toryork	M9L 1X6	13,153	168	120,434	16,271						40,397	22.3
2	Station #32	9 Clendenan Ave	M6P 2W7	3,218	168	19,845	5,028						11,094	22.8
3	Station #45	135 Davenport Rd	M5R 1J1	11,496	168	72,365	17,998						39,817	22.9
4	Station #40	58 Richmond St E	M5C 1M1	12,798	168	144,942	18,543						46,653	26.7
5	Station #34 (save-a-life)	674 Markham St	M6G 2L9	13,939	168	57,478	30,651						62,548	27.5
6	Station #38	259 Horner Ave	M8Z 5E1	5,102	168	19,054	12,203						24,595	29.2
7	Station #37	1288 Queen St W	M6K 1L4	4,413	168	38,796	9,125						20,356	30.8
8	Station #24	3061 Birchmount Rd	M1W 2S4	2,659	168	26,458	5,312						12,159	31.2
9	Station #49	3100 Eglinton Ave E	M1J 2H1	2,583	168	40,717	5,099						12,898	36.7
10	Station #33	760 Dovercourt Rd	M6H 2X2	3,132	168	25,194	8,689						18,443	37.5
11	Station #31	4219 Dundas St W	M8X 0A3	2,831	168	40,043	6,411						15,325	38.2
12	Station #47	3600 St clair Ave E	M1K 1M2	1,787	168	30,153	3,648						9,309	38.6
13	Station #10	2015 Lawrence Ave W	M9N 0A3	5,005	168	72,908	12,179						28,859	40.4
14	Station #42	1535 Kingston Rd	M1N 1R5	6,997	168	125,497	15,636						39,602	41.7
15	Station #11	1135 Caledonia Rd	M6A 2W9	3,574	168	32,132	12,057						25,366	44.8
16	EMS Workshop West	866 Richmond St W	M6J 2S9	1,658	168	13,968	6,079						12,611	47.4
17	Station #14	321 Rexdale Blvd	M9W 1R8	4,252	168	56,926	15,424						33,715	51.9
18	Station #46	105 Cedarvale Ave	M4C 1K3	1,572	168	20,530	6,391						13,726	56.3
19	Station #44	887 Pharmacy Ave	M1L 3K9	2,799	168	35,714	11,724						25,022	57.3
20	2430 Lawrence Ave E	2430 Lawrence Ave E	M1P 2R5	7,782	168	238,103	19,969						56802.87	57.9
21	Ambulance Headquarters	4330 Dufferin St	M3H 5R9	101,719	168	3,665,865	214,873						699,513	58.5
22	Station #28	2900 Lawrence Ave E	M1P 2T8	1,905	168	26,436	8,381						17,960	60.6
23	Station #19	2660 Eglinton Ave W	M6M 1T7	1,367	168	27,709	6,065						13,683	67.4

Fire Stations

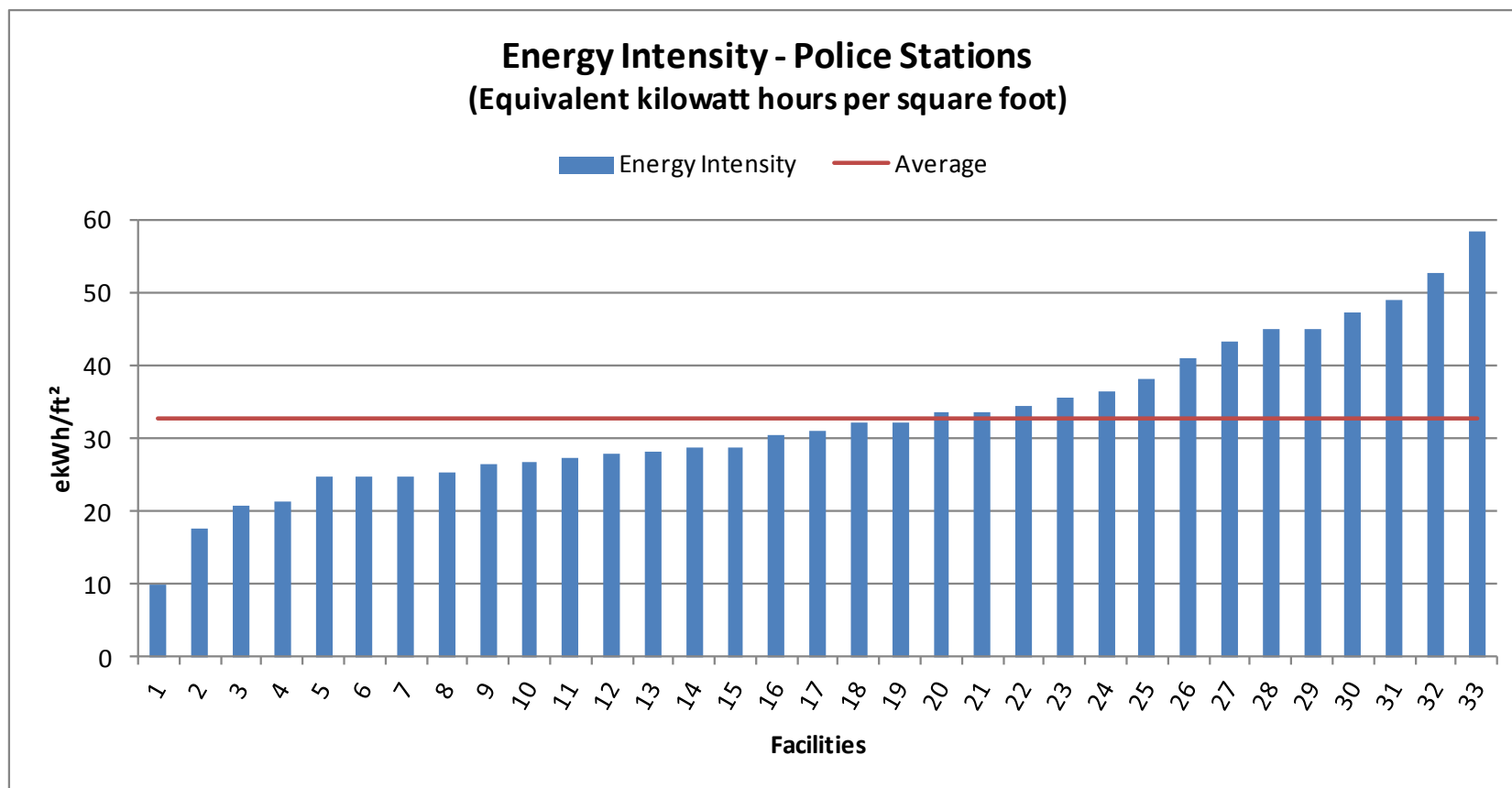


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						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Fire Station 141	4100 Keele St	M3J 2W1	12,000	168	32,356	13,633						28,364	14.8
2	Fire Station 425	83 Deforest Rd	M6S 1J5	7,955	168	53,128	8,234						19,818	17.7
3	Fire Station 441	947 Martin Grove Rd	M9W 4V6	19,472	168	116,025	23,298						53,330	18.7
4	Fire Station 415	2120 Kipling Ave	M9W 4K5	7,804	168	72,146	7,455						19,867	19.4
5	Rotherham Ave 15	15 Rotherham Ave	M6M 1L9	23,002	168	174,814	34,571						79,345	23.6
6	Fire Station 311	20 Balmoral Ave	M4V 1J4	12,755	168	59,036	26,196						54,250	26.5
7	Fire Station 243	4560 Sheppard Ave E	M1S 1V2	5,350	168	49,904	8,767						20,568	26.7
8	Fire Station 324	840 Gerrard St E	M4M 1Y7	13,153	168	76,523	26,267						55,783	27.0
9	Fire Station 411	75 Toryork Dr	M9L 1X9	8,762	168	80,066	15,007						34,778	27.3
10	Fire Station 435	130 Eighth St	M8V 3C6	6,889	168	72,414	11,054						26,693	27.6
11	Fire Station 223	116 Dorset Rd	M1M 2T1	7,459	168	43,734	15,678						33,140	28.2
12	Fire Station 445	280 Burnhamthorpe Rd	M9B 1Z5	11,765	168	114,605	20,436						47,805	28.2
13	Fire Station 227	1904 Queen St E	M4L 1H4	10,484	168	82,651	20,145						44,698	28.3
14	Fire Station 434	3 Lunness Rd	M8W 4M2	5,188	168	27,352	11,294						23,541	28.4
15	Fire Station 314	12 Grosvenor St	M4Y 1A8	11,937	168	50,571	27,413						55,874	28.6
16	Fire Station 442	2015 Lawrence Ave W	M9N 3V5	15,478	168	212,229	22,079						58,721	28.9
17	Fire Station 231	740 Markham Rd	M1H 2A9	14,241	168	136,518	25,863						59,819	28.9
18	Fire Station 146	2220 Jane St	M3M 1A4	7,535	168	54,168	15,462						33,567	29.0
19	Fire Station 245	1600 Birchmount Rd	M1P 2H6	5,608	168	43,417	11,621						25,445	29.8
20	Fire Station 233	59 Curlew Dr	M3A 2P8	11,001	168	95,384	22,322						49,832	30.2
21	Fire Station 135	641 Eglinton Ave W	M5N 1C5	10,592	168	130,138	18,335						45,075	30.7
22	Fire Station 322	256 Cosburn Ave	M4J 2M1	7,535	168	40,863	18,422						38,099	31.4
23	Fire Station 133	1505 Lawrence Ave W	M6L 1B2	8,062	168	94,306	15,134						36,157	31.6
24	Fire Station 241	3325 Warden Ave	M1W 3L6	5,500	168	46,633	12,125						26,654	31.9
25	Fire Station 222	755 Warden Ave	M1L 4B3	6,910	168	57,463	15,391						33,695	32.0
26	Fire Training Centre	4562 Sheppard Ave E	M1S 1V2	7,998	168	76,105	17,012						38,251	32.1
27	Fire Station 125	1109 Leslie Street	M3C 4B3	5,813	168	67,666	11,295						26,768	32.3
28	Fire Station 421	6 Lambton Ave	M6N 2S1	9,461	168	107,996	18,737						44,064	32.5
29	Fire Station 432	155 The East Mall	M9B 6B6	13,692	168	151,771	27,611						64,343	32.5
30	Fire Academy	895 Eastern Ave	M4L 1A2	61,214	168	730,426	119,951						285,216	32.8

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						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
31	Fire Station 331	31 Claremont St	M6J 2M7	10,979	168	76,894	26,711						56,652	32.9
32	Fire Station 343	65 Hendrick Ave	M6G 3S3	9,827	168	51,092	25,693						52,663	33.0
33	Fire Station 134	16 Montgomery Ave	M4R 1C8	7,126	168	41,456	18,523						38,336	33.4
34	Fire Station 344	240 Howland Ave	M5R 3B6	11,238	168	87,829	27,346						58,728	33.7
35	Fire Station 422	590 Jane St	M6S 4A6	7,944	168	64,664	19,278						41,621	33.9
36	Fire Station 431	308 Prince Edward Dr	M8X 3A1	3,907	168	45,750	8,201						19,166	34.0
37	Fire Station 423	358 Keele St	M6P 2K7	12,335	168	112,009	29,352						64,454	34.4
38	Fire Station 444	666 Renforth Dr	M9C 2N6	3,929	168	29,041	10,070						21,361	34.6
39	Fire Station 413	1549 Albion Rd	M9V 1B2	3,929	168	37,409	9,303						20,580	34.7
40	Fire Station 116	2755A Old Leslie St	M2K 3E1	11,776	168	192,112	21,017						55,105	35.3
41	Fire Station 341	555 Oakwood Ave	M6E 2X4	9,268	168	72,895	24,174						51,536	35.6
42	Fire Station 234	40 Coronation Dr	M1E 2H1	5,350	168	36,098	14,715						30,709	36.0
43	Fire Station 235	200 Bermondsey Rd	M4A 2T7	8,902	168	110,292	19,991						46,620	36.3
44	Fire Station 145	20 Belfort Rd	M3K 1L5	11,001	168	95,756	29,024						62,534	36.7
45	Fire Station 232	1550 Midland Ave	M1P 3C2	5,350	168	67,527	12,433						28,909	37.3
46	Fire Station 443	1724 Islington Ave	M9A 3N2	3,929	168	36,553	10,418						22,622	37.5
47	Fire Station 412	267 Humberline Dr	M9W 5T6	7,029	168	80,714	17,211						38,996	37.5
48	Fire Station 312	34 Yorkville Ave	M4W 1L4	9,806	168	96,747	25,683						56,297	37.7
49	Fire Station 225	3600 Danforth Ave	M1N 4E9	9,085	168	101,316	22,819						51,248	37.8
50	Fire Station 426	140 Lansdowne Ave	M6K 2V9	12,486	168	175,499	28,368						67,674	38.2
51	Fire Station 132	476 Lawrence Ave W	M5M 1C6	7,664	168	89,417	19,934						44,842	39.3
52	Fire Station 333	201 Front St E	M5A 1E7	12,723	168	141,939	33,804						75,266	39.4
53	Fire Station 226	85 Main St	M4E 1Z5	11,808	168	68,165	37,364						76,094	39.4
54	Fire Station 325	475 Dundas St E	M5A 2B5	10,129	168	167,545	21,997						54,992	39.6
55	Fire Station 424	462 Runnymede Rd	M6S 2Z3	5,866	168	57,478	16,658						36,093	40.0
56	Fire Station 242	2733 Brimley Rd	M1V 1T4	5,500	168	61,167	15,077						33,399	40.3
57	Fire Station 433	615 Royal York Rd	M8Y 2S8	5,038	168	103,760	9,337						25,953	40.3
58	Fire Station 321	231 McCrae Ave	M4G 1T4	7,535	168	90,513	20,239						45,506	40.6
59	Fire Station 115	115 Parkway Forest Dr	M2J 1L8	5,985	168	105,334	13,686						34,302	41.9

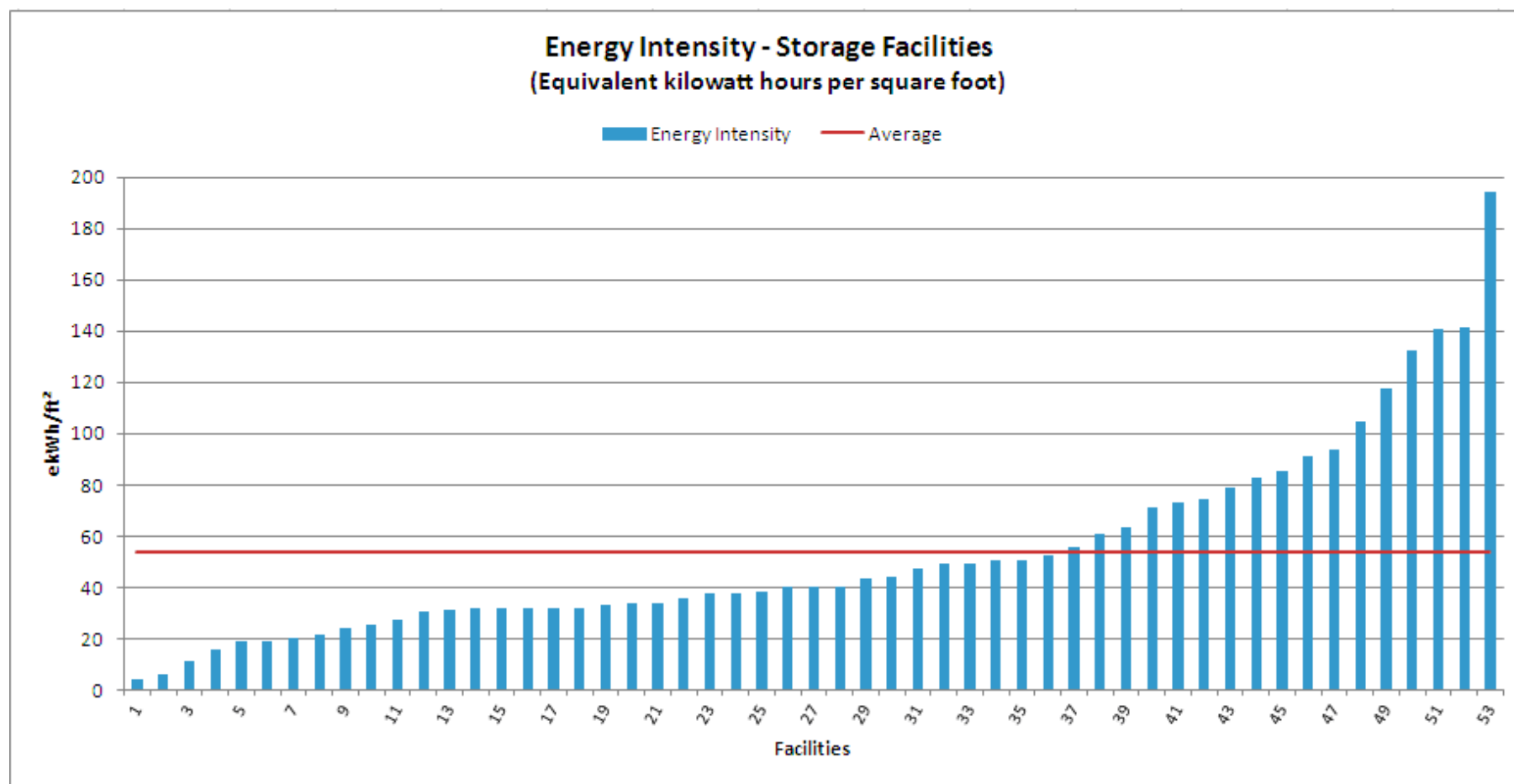
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						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
60	Fire Station 213	7 Lapsley Rd	M1B 1N1	5,048	168	61,603	14,269						31,907	42.2
61	Fire Station 335	235 Cibola Ave	M5J 2W6	4,402	168	93,530	8,972						24,445	42.9
62	Fire Station 214	745 Meadowvale Rd	M1C 1T1	4,887	168	45,391	15,770						33,447	43.6
63	Fire Station 334	339 Queens Quay West	M5V 3A7	13,003	168	369,013	18,647						64,775	43.6
64	Fire Station 345	1287 Dufferin St	M6H 4C2	12,809	168	123,201	41,387						88,103	44.0
65	Fire Station 224	1313 Woodbine Ave	M4C 4E9	3,767	168	61,446	9,869						23,573	44.1
66	Fire Station 244	2340 Birchmount Rd	M1T 2M3	5,350	168	62,714	16,460						36,136	44.4
67	Fire Station 212	8500 Sheppard Ave East	M1B 5R7	16,501	168	224,675	48,607						109,872	44.9
68	Fire Stn former TO #35	11 Queens Quay W	M5J 2V3	3,143	168	143,028							11,442	45.5
69	Fire Station 131	3135 Yonge St	M4N 2K8	5,845	168	79,665	17,691						39,821	45.8
70	Fire Station 313	441 Bloor St E	M4X 1L7	12,099	168	139,334	39,274						85,399	46.0
71	Fire Station 342	106 Ascot Ave	M6E 1G2	3,057	168	27,811	10,711						22,475	46.3
72	Fire Station 211	900 Tapscott Rd	M1X 1C3	5,005	168	128,714	10,909						30,921	48.9
73	Toryork Office	40 Toryork	M9L 1X6	42,625	168	709,582	134,432						310,927	50.2
74	Fire Station 315	132 Bellevue Ave	M5T 1P1	7,244	168	98,776	25,427						55,975	50.9
75	Fire Station 141 - OLD	3965 Keele St	M3J 2W1	2,895	168	55,784	8,728						20,964	51.3
76	Fire Station 323	153 Chatham Ave	M4J 1K8	10,236	168	128,904	37,711						81,611	51.7
77	Fire Museum And Storage	351 Birchmount Rd	M1N 3K1	3,272	168	26,176	13,537						27,687	52.0
78	Fire Station 215	5318 Lawrence Ave E	M1C 1R4	5,737	168	61,140	23,158						48,674	53.6
79	Fire Station 121	10 William Carson Cres	M2P 2E1	4,219	168	103,082	11,599						30,176	53.6
80	Fire Station 111	3300 Bayview Ave	M2M 2E3	5,662	168	93,048	20,691						46,562	55.3
81	Fire Station 113	700 Seneca Hill Dr	M2J 2W8	4,833	168	80,152	19,501						43,280	59.5
82	Fire Station 142	2753 Jane Street	M3N 2H6	5,586	168	117,468	21,969						50,933	62.8
83	Fire Station 114	12 Canterbury Place	M2N 1X8	8,633	168	198,134	37,849						87,409	69.5
84	Fire Station 122	2545 Bayview Ave	M2P 1G7	3,046	168	47,970	16,173						34,415	72.2
85	Fire Station 112	5700 Bathurst St	M2R 3W2	7,018	168	227,467	29,907						74,740	77.7
86	Fire Station 123	145 Bond Ave	M2K 3A6	2,497	168	49,863	16,287						34,782	89.3
87	Fire Station 143	1009 Sheppard Ave W	M3H 2T7	2,895	168	64,327	18,377						39,891	89.7

Police Stations



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						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	330 Progress Ave	330 Progress Ave	M1P 2Z4	287,741	168	1,286,406	148,533						383,734	10.0
2	Centre Island Police Division	0 Centre Isl	M5J 1Y3	1,001	168	17,719							1,417	17.7
3	Traffic Services and Garage	9 Hanna Ave	M6K 1W8	297,988	168	2,660,222	331,972						840,453	20.8
4	C.O Bick College	4620 Finch Ave E	M1S 4G2	92,849	168	484,737	140,188						303,821	21.3
5	Police Dog Service	44 Beechwood Dr	M4K 3H8	9,203	168	139,289	8,270						26,778	24.7
6	Property Bureau	799 Islington Ave	M8Z 5W8	43,992	168	500,344	55,438						144,841	24.8
7	#23 Police Division New	5230 Finch Ave W	M9V 0A1	55,972	168	946,729	41,855						154,871	24.9
8	#53 Police Division	75 Eglinton Ave W	M4R 2G9	52,183	168	821,694	47,194						154,962	25.4
9	Police Academy	70 Birmingham Street	M8V 3W6	296,987	168	2,940,758	458,798						1,102,676	26.3
10	#52 Police Division	255 Dundas St W	M5T 2W5	71,677	168	1,144,418	72,880						229,343	26.8
11	#42 Police Division	242 Milner Ave	M1S 5C4	41,990	168	651,523	46,534						140,100	27.3
12	#12 Police Division	200 Trethewey Dr	M6M 5E6	25,780	168	630,627	8,299						66,140	27.9
13	#32 Police Division	30 Eilerslie Ave	M2N 1X8	47,652	168	767,677	53,540						162,639	28.1
14	#33 Police Division	50 Upjohn Rd	M3B 2W1	27,889	168	440,579	33,603						98,778	28.6
15	Police Garage	18 Cranfield Rd	M4B 3G7	33,024	168	344,687	57,091						135,514	28.8
16	#43 Police Division	4331 Lawrence Ave E	M1E 2T4	51,990	168	887,563	64,803						193,523	30.3
17	#14 Police Division	150 Harrison St	M6J 2A4	24,197	168	408,328	31,885						92,949	30.9
18	Police Marine Hq	259 Queens Quay W	M5V 1A2	22,992	168	381,727	33,781						94,406	32.2
19	#11 Police Division	211 Mavety St	M6P 2M1	21,119	168	236,087	41,846						98,002	32.2
20	#55 Police Division	101 Coxwell	M4L 3B3	23,519	168	528,848	24,313						88,275	33.5
21	#31 Police Division	40 Norfinch Dr	M3N 1X1	35,489	168	755,917	40,989						137,969	33.6
22	#23 Police Division	2126 Kipling Ave	M9W 4K5	13,616	168	253,352	20,283						58,616	34.4
23	#41 Police Division	2222 Eglinton Ave E	M1K 2M2	52,183	168	750,426	104,325						257,274	35.6
24	Intelligence Bureau	30 Upjohn St	M3B 1Y2	70,547	168	1,678,462	84,216						293,498	36.5
25	Emergency Task Force	300 Lesmill Rd	M3B 2T5	35,994	168	651,854	67,647						180,044	38.1
26	#21 Police Division	791 Islington Ave	M8Z 5W8	7,492	168	164,357	13,447						38,572	41.0
27	#22 Police Division	3699 Bloor St W	M9A 1A2	32,270	168	527,618	81,307						195,930	43.1
28	#13 Police Division	1435 Eglinton Ave W	M6C 3Z4	20,344	168	561,783	33,355						108,005	45.0
29	#54 Police Division	41 Cranfield	M4B 3H6	23,358	168	483,008	53,561						139,904	45.0
30	#51 Police Division New	51 Parliament St	M5A 2Y5	47,899	168	1,502,896	71,339						255,108	47.2
31	Public Order	4610 Finch Ave E	M1S 4G2	8,342	168	178,622	21,606						55,138	48.9
32	Police Headquarters	40 College St	M5G 1K2	299,990	168	10,063,035	377,966			20,175	Yes	4.94	1,619,382	52.6
33	Forensic Service, Store & Garage	2050 Jane St	M9N 2V3	62,484	168	1,659,784	186,987						486,306	58.4

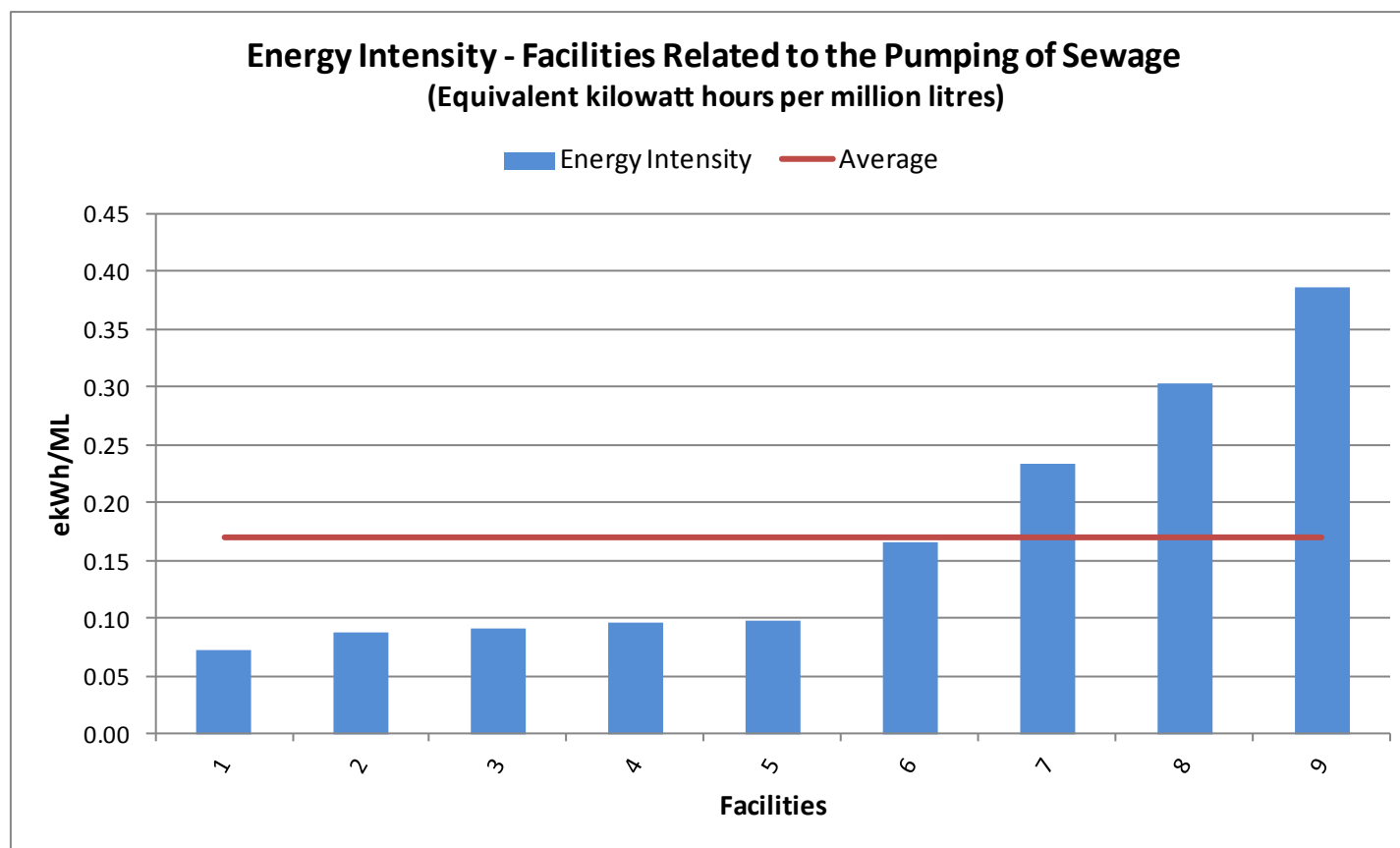
Storage Facilities



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
1	Centennial Pk Svc Bldg	149 Elmcrest Rd	M9C 3S2	33,470	60	34,555	10,259						22,161	4.3
2	Fire Dept Repair Shop	35 Strachan Ave	M6K 3C3	71,978	100	286,046	15,969						53,075	6.3
3	Bentworth Park Yard	140 Bentworth Ave	M6A 1P7	12,981	60	25,076	11,037						22,873	11.0
4	Sixth St Garage	297 Sixth St	M8V 3A8	6,997	60	10,936	9,373						18,595	15.8
5	Dufferin Maintenance Yard	75 Vanley Cres	M3J 2B8	31,667	60	339,579	24,346						73,196	18.9
6	Maintenance Yard #3	195 Bermondsy Rd	M5H 2N2	4,618	60	88,442							7,075	19.2
7	Central Equipment Yard	1026 Finch Ave W	M3J 2E1	148,197	60	1,223,897	164,750						409,393	20.1
8	Dohme Ave 3	3 Dohme Ave	M4B 1Y7	25,898	60	144,312	38,923						85,134	21.5
9	Alness Service Yard	21 Alness St	M3H 5R9	25,715	60	208,537	38,221						88,945	23.9
10	North District Serv Yard	140 Merton St	M4S 1A1	32,044	60	288,144	50,483						118,495	25.7
11	Oriole Yd- Works	2751 Old Leslie St	M2K 1J2	26,759	60	210,511	49,314						110,075	27.5
12	Ellesmere Yard	1050 Ellesmere Rd	M1P 2X3	138,069	60	1,584,561	246,712						593,205	30.5
13	Brimley Parks Yard	451 Brimley Rd	M1J 1A2	2,809	60	33,766	5,078						12,302	31.2
14	Castlefield Yard	1401 Castlefield Ave	M6B 1G7	36,447	60	506,281	61,169						156,151	31.7
15	Rockcliffe Yard	301 Rockcliffe Blvd	M6N 4R8	14,047	60	26,714	39,542						76,896	31.8
16	Maintenance Yard #7	100 Tumbery Rd	M6N 3N4	11,862	60	163,490	20,194						51,259	31.9
17	Emery Works Yard	61 Toryork Dr	M9L 1X9	26,404	60	369,415	44,518						113,721	31.9
18	Kipling Maintenance Yard	441 Kipling Ave	M8Z 5E7	27,373	60	279,992	56,463						129,149	32.2
19	Birchmount Parks Yard	1901 Birchmount Rd /101 Ridgetop	M1P 2H6	15,317	60	138,182	34,447						76,182	32.9
20	Davisville Carhouse	29 Lascalle Boulevard	M5P 1K5	75,024	168	62,956	232,089						443,830	33.7
21	Bering Yard	320 Bering Ave	M8Z 3A3	53,798	60	478,854	126,894						278,218	34.0
22	Oriole Yd- Signs and Markings	2755 Old Leslie Street	M2K 1J2	16,264	60	11,431	53,147						101,395	35.4
23	Ingram Works Yard	86 Ingram Dr	M6M 2L6	23,907	60	385,846	48,453						122,474	37.7
24	Northline Garage and Offices	30 Northline Road	M4B 3E2	46,521	60	707,712	99,597						244,918	38.0
25	Eastern & Booth Blocks	433 Eastern Ave	M4M 1B7	236,644	60	3,055,055	569,217						1,320,582	38.5
26	King St Garage	1116 King St W	M6K 1E9	83,485	60	358,820	281,533						560,979	40.1
27	Eglinton Flats Service Bldg	Emmett Ave	M6M 2E6	5,705	60	78,830	14,155						33,067	40.2
28	Western Services Yard	235 Edenbridge Dr	M9A 3G9	4,133	60	23,079	13,564						27,491	40.5

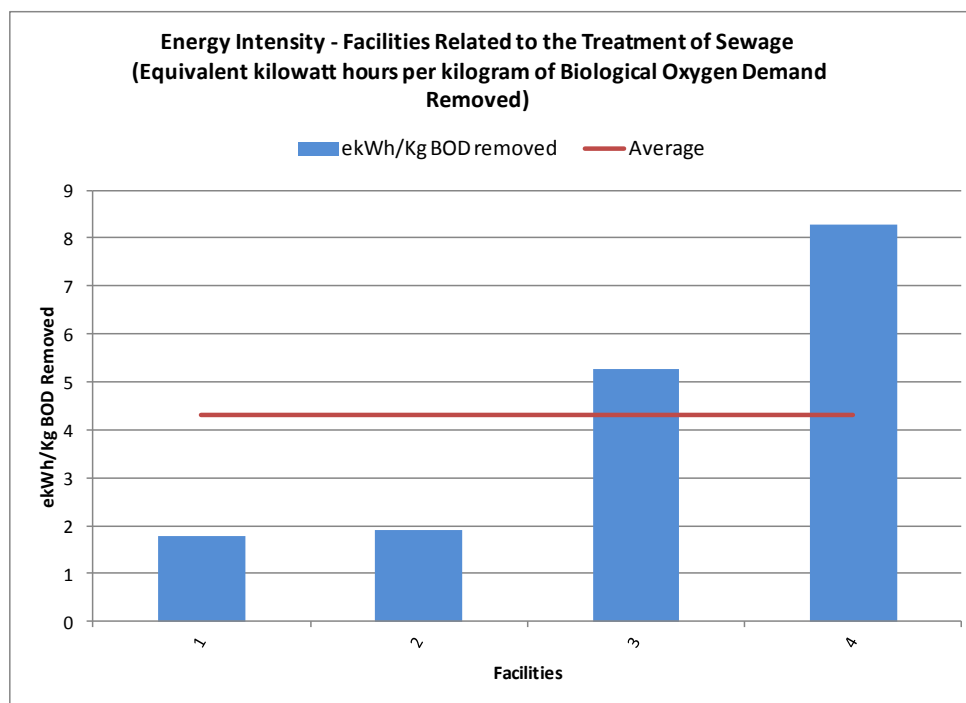
	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor		
29	Eastern Ave Yard / Shop	875 Eastern Ave	M4L 1A2	9,698	60	120,537	28,362						63,264	43.5
30	Nashdene Yard	70 Nashdene Rd	M1V 2V2	24,176	60	297,688	72,736						161,333	44.3
31	Maintenance Yard #1&2	170 Plewes Road	M3K 1L1	38,760	60	728,447	104,800						256,413	47.5
32	Property Operation Workshop	133 River St	M5A 3P8	12,034	60	48,716	51,450						101,170	49.5
33	Emery Parks Yard	27 Toryork Dr	M9L 1X6	18,998	60	202,805	69,422						147,476	49.5
34	Greenwood Complex	400 Greenwood Avenue	M4L 2V6	363,430	168	6,390,784	1,124,827						2,637,891	50.5
35	Disco Yard	150 Disco Rd	M9W 1M4	60,471	60	793,473	214,601						469,208	50.8
36	Wilson Complex	160 Transit Road	M3H 6C3	414,990	168	2,578,966	1,817,447						3,642,432	52.8
37	Davenport Building, Harvey and Duncan Shops	1138 Bathurst Street	M5R 1L4	648,757	168	9,620,000	2,485,246						5,468,273	55.5
38	Maintenance Yard #6	7 Leslie St	M4M 3C1	6,135	60	136,719	22,343						53,181	61.0
39	McCowan Carhouse	1720 Ellesmere Road	M1H 2P9	23,605	168	932,104	53,314						175,365	63.5
40	Eastern Ave Yard / Office	843 Eastern Ave	M4L 1A2	84,701	60	1,082,364	467,871						971,159	71.5
41	Ramsden Yard	1008 Yonge St	M4W 2K1	20,247	60	175,665	122,337						245,348	72.9
42	Pharmacy Yard	135 Pharmacy Ave	M1L 3E7	1,851	60	72,693	6,083						17,317	74.2
43	Arrow Bus Garage	700 Arrow Road	M9M 2M1	223,861	168	3,433,955	1,341,949						2,811,841	79.0
44	Lakeshore Bus Garage	580 Commissioners Street	M4M 2R5	131,320	168	2,078,143	826,755						1,729,337	82.7
45	Russell Carhouse	1411 Queen Street E.	M4L 1C7	48,734	168	1,140,638	284,395						628,936	85.4
46	Kipling Yard	435 Kipling Ave	M8Z 5E7	11,001	60	539,111	43,687						125,725	91.2
47	Eglinton Bus Garage	38 Comstock Road	M1L 2G6	116,605	168	3,161,003	730,910						1,634,758	93.7
48	Queensway Bus Garage	400 Evans Avenue	M8Z 1K6	124,537	168	2,152,501	1,027,308						2,114,456	105.0
49	Mt. Dennis Bus Garage	121 Industry Street	M6M 5B6	258,186	168	4,442,473	2,445,359						4,978,660	117.9
50	Roncesvalles Carhouse	20 The Queensway	M6R 1B4	41,387	168	2,004,502	326,410						777,480	132.3
51	Malvern Bus Garage	5050 Sheppard Avenue E.	M1S 4N3	231,796	168	4,746,241	2,628,697						5,349,585	141.0
52	Birchmount Bus Garage	400 Danforth Road	M4K 1P3	112,004	168	2,925,720	1,217,463						2,535,826	141.6
53	Hamilton Street Yard	138 Hamilton St	M4M 2E1	818	60	159,149							12,732	194.5

Facilities Related to the Pumping of Sewage



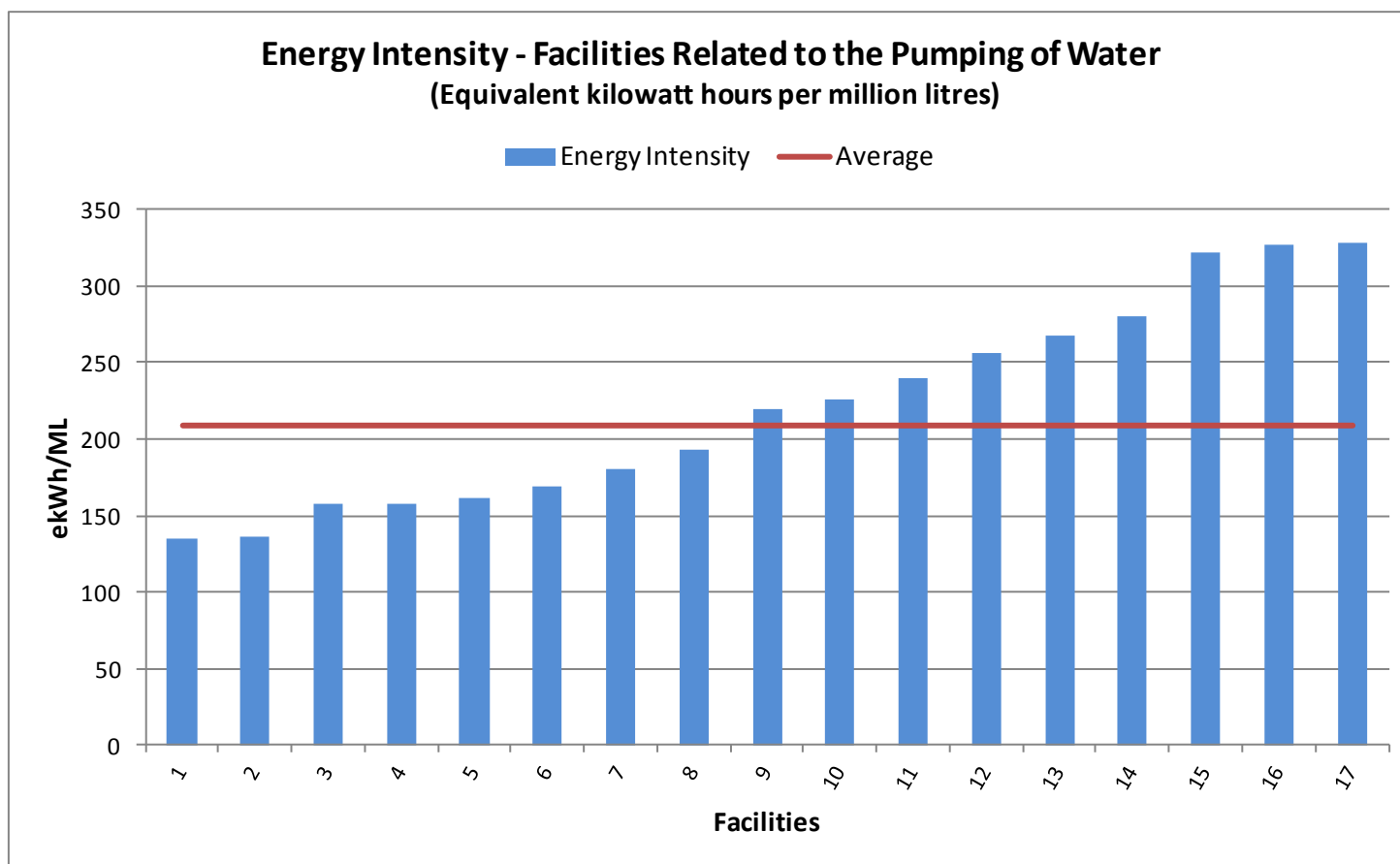
	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Annual Flow (Mega Litres)	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litres)
							Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor			
1	Mimico Pumping Station	9 Superior Ave	M8V 1C4	4,435	168	10,936,080	794,196							63536	179.1	0.07
2	Cumber Pumping Station	5316 Lawrence Ave E	M1C 1Z4	635	168	2,019,049	176,204							14096	277.5	0.09
3	Brule Gardens Sewage PS	2 Brule Gd	M6S 4J2	151	100	114,540	10,424							834	69.2	0.09
4	Swansea Pumping Station	110 The Queensway	M6S 1A5	527	168	1,681,700	159,920							12794	303.2	0.10
5	Long Branch Pumping Station	42 Lake Promenade	M8W 1A3	3,068	168	1,885,752	184,855							14788	60.3	0.10
6	Strachan Ave P.Stn	1 Strachan Ave	M6K 1W7	1,206	168	2,606,005	271,926	15,085						50275	358.5	0.17
7	New Toronto Pumping Station	31 Lakeshore Blvd	M8V 1Z3	2,067	168	784,080	182,707							14617	88.4	0.23
8	West Rouge Pumping Station	6570 Lawrence Ave E	M1C 4A7	3,229	168	840,961	255,205							20416	79.0	0.30
9	Birchview Sewage PS	15 Birchview Cr	M6P 3H9	151	168	63,893	24,684							1975	163.8	0.39

Facilities Related to the Treatment of Sewage



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Annual Flow (Mega Litres)	Energy Type and Amount Purchased and				GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litres)	BOD removed (Kg)	ekWh/Kg BOD removed
							Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	District Cooling (GJ)					
1	North Toronto Treatment Plant	1101 Millwood Rd	M4H 1P6	21,786	168	11,037	2,283,986				182719	104.8	206.9	1,279,188	1.8
2	Humber Treatment Plant	130 The Queensway	M8Y 1H9	224,869	168	137,971	50,916,207	1,673,559			7237372	305.5	497.9	35,789,677	1.9
3	Ashbridges Bay Treatment Plant	9 Leslie St	M4M 3M9	378,437	168	227,355	115,399,724	4,367,425			17489150	427.6	711.7	30,692,925	5.3
4	Highland Creek Treatment Plant	51 Beechgrove Dr	M1E 3Z3	255,395	168	62,753	32,112,537	5,727,160			13396926	364.1	1481.7	11,207,686	8.3

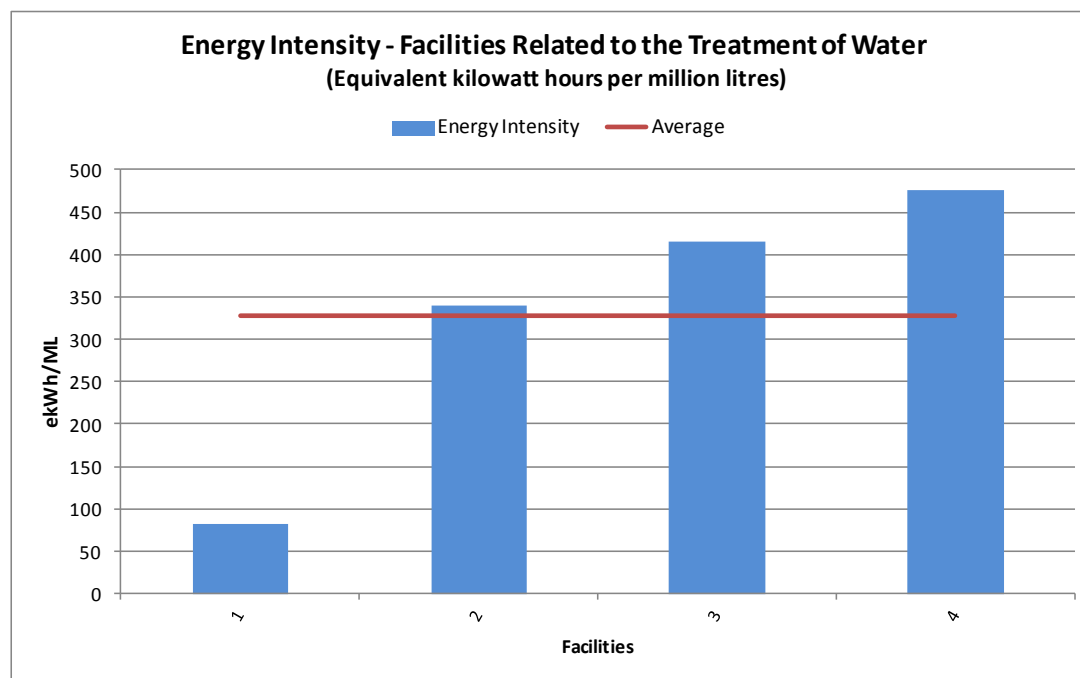
Facilities Related to the Pumping of Water



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Annual Flow (Mega Litres)	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litres)
							Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor			
1	Milliken Pumping Station	4375 Fourteenth Ave	L3R 0J2	7,255	168	23,876	3,226,357							258109	444.7	135.1
2	Kennedy Pumping Station	Passmore Ave	M1X 2B4	5,360	168	44,569	6,053,307							484265	1129.3	135.8
3	Armour Heights Pumping Station	226 Wilson Ave	M5M 3B1	5,780	168	14,715	2,327,069							186165	402.6	158.1
4	West Toronto Pumping Station	143 Old Weston Rd	M6N 3A4	7,739	168	47,990	7,599,271							607942	981.9	158.3
5	W.H. Johnston Pumping Station	1560 Royal York Rd	M9P 3C3	1,744	168	13,353	2,152,744							172219	1234.5	161.2
6	St. Albans Pumping Station	30 St albans Rd	M9B 1A1	3,240	168	22,894	3,858,289							308663	1190.9	168.5
7	Thornhill Pumping Station	1 Green Lane	L3T 7P7	1,550	168	1,538	277,740							22219	179.2	180.6
8	High Level Pumping Station	25 Popular Plains Rd	M4V 2M7	46,403	168	50,117	9,678,374							774270	208.6	193.1
9	Lawrence Pumping Station	1150 Lawrence Ave W	M6L 1A3	15,629	168	31,156	6,846,340							547707	438.0	219.7
10	Richview Pumping Station	551 Martin Grove Rd	M9R 4B7	2,357	168	54,462	12,307,709							984617	5221.1	226.0
11	Eglinton Pumping Station	885 Pharmacy Ave	M1L 3K9	10,075	168	35,397	8,509,824							680786	844.6	240.4
12	Keele Pumping Station	4995 Keele St	M3J 3K1	2,745	168	21,771	5,567,861							445429	2028.5	255.7
13	Ellesmere Pumping Station	2950 Ellesmere Rd	M1E 4B8	6,243	168	83,009	22,243,638							1779491	3562.9	268.0
14	Parkdale Pumping Station	71 The Queensway	M6R 1B7	11,227	168	45,227	12,653,026							1012242	1127.0	279.8
15	Rosehill Pumping Station	0 Mt pleasant	M4W 1N4	1,550	168	42,178	13,569,867							1085589	8754.7	321.7
16	Scarborough Pumping Station	21 Fishleigh Dr	M1N 1H1	9,160	168	35,654	11,662,297							932984	1273.2	327.1
17	John Street Pumping Stn	28 John St	M9N 1J5	112,773	168	93,168	30,568,673							2445494	271.1	328.1

Note: Energy intensity related to the pumping of water is affected by factors such as elevation, water demand, equipment, operation and regulatory requirements.

Facilities Related to the Treatment of Water



	Operation Name	Address	Postal Code	Operations Indoor Area (sq ft)	Average Hours / Week	Annual Flow (Mega Litres)	Energy Type and Amount Purchased and Consumed in Natural Units							GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litres)
							Electricity (kWh)	Natural Gas (m3)	District Heating (GJ)	Renewable?	District Cooling (GJ)	Renewable?	If Yes, enter Emission Factor			
1	Island Filtration Plant	446 Lakeshore Ave	M5J 2W2	64,196	168	94,106	7,681,989	8,223						630,105	121.0	82.6
2	R.C. Harris Filtration Plant	1 Nursewood Rd	M4E 3R8	115,367	168	163,909	55,805,068							4,464,405	483.7	340.5
3	R.L. Clark Filtration Plant	1-45 Twenty Third St	M8V 3M6	401,612	168	116,412	47,415,072	78,179						3,941,012	120.1	414.4
4	F.J. Horgan Filtration Plant	201 Copperfield Rd	M1E 5G7	325,447	168	89,782	42,747,587							3,419,807	131.4	476.1

Note: Energy intensity related to the treatment of water is affected by factors such as process and regulatory requirements, elevation and water demand.