

Energy Conservation and Demand Management Plan (Phase II)

Education Sector Background

Funding and Energy Management Planning

All Boards receive 100% of their funding from the Ministry of Education.

The Ministry announces each Board's funding allocation in March for the next Fiscal Year which runs from September 1st to August 31st. The Ministry does not provide Boards with multi-year funding allocations.

As a result, while a Board may have a five-year energy management strategy, the Board's ability to implement their strategy is dependent on the funding that they receive in each of the five years covered by their energy management plan.

Asset Portfolios and Energy Management Planning

Energy consumption at a site can be impacted by a number of variables. The following lists provide education sector examples that may impact changes in consumption at a site from one year to the next. These examples will play a significant role in the Board's assessment of energy management priorities.

Facility Variables

- Year of Construction
- Building Area
 - Major additions
 - Sites sold
 - Portables
 - installed
 - removed
- Site Use
 - Elementary school
 - Secondary school
 - Administrative building
 - Maintenance/warehouse facility
- Shared Use Sites (e.g. one building, two boards share common areas and/or partnered with a municipality)
 - Swimming pools
 - Libraries
 - Lighted sports fields
 - Enclosed sports domes

- Equipment/Systems
 - Age
 - Type of technology
 - Lifecycle
 - % air conditioned building area

Other Variables

- Programs
 - Day care
 - Before/After School Programs
 - Summer School
 - Community Use
- Occupancy
 - Significant Increase or decrease in number of students
 - New programs being added to a site

About the Board

The following statistics apply to the Board’s Fiscal Year 2013-14

Total Number of Sites: 124

Total Number of Students: 60,000

Background

1. The Board has a qualitative energy conservation goal

Yes - At the Waterloo Region District School Board we constantly strive to be more energy efficient in the way we operate on a daily basis. Taking design, construction and retrofit strategies into consideration, implementing energy efficient measures in all areas of building operations and the training and educating of staff and students will all contribute in reducing our overall energy by approximately 6%, as targeted, over the next five years.

No

2. To date the Board’s energy management strategy has included the following:

- 1) Creating a standard for the design and construction of new schools, additions and renovations so that they are 25% or more energy efficient than baseline code, with regards to the building envelope, windows, roofing and insulation values.
- 2) Installing high efficient gas equipment that has an efficiency rating of 90% or better and an electrical EER rating of 12 or higher for new or retrofit projects. Installing high efficient T5 and T8 lighting, with electronic ballasts, LED lighting and also occupancy sensors.

- 3) Operating 109 schools and the Education Centre using a building automation system that is web based and controlled centrally by a building automation technician, constantly monitoring and addressing issues that need immediate attention, controlling electrical demand by the use of a strategic demand reduction software program and scheduling equipment with tight operating parameters so when the equipment doesn't need to be on, it's off.
- 4) Occupant behaviour – training and educating staff and students about energy conservation and ways to reduce energy by shutting lights, computers, printers and monitors when not needed.

3. The Board has an energy management position.

In-house

Full time

Part time

Shared job function

Contracted third party

None

Energy Consumption Data for the Board

The values below are “metered” data for the Board.

Utility	Fiscal Year 2011-12 (Baseline)	Fiscal Year 2012-13 (Current)
Total Electricity (kWh)	53,755,605	54,872,704
Total Natural Gas (m3)	8,868,923	10,146,549
Total Heating Fuel (Type 1 and 2) (litres - L)	2580	none
Total Heating Fuel (Type 3 and 4) (litres - L)	none	none
Total Propane (litres - L)	3629	7,329
Total Wood (metric tonnes - MT)	none	none
Total District Heat (GJ)	none	none
Total District Cool (GJ)	none	none

The values below are raw data.

	Fiscal Year 2011-12 (Baseline)	Fiscal Year 2012-13 (Current)
Total Energy Consumed (ekWh)	148,013,303	162,708,844
Energy Intensity (ekWh/m2)	*210	*228

*Non weather normalized

Energy Conservation Goal

The Board has set out the following energy conservation goals for the next five fiscal years

Fiscal Year	2013-14 (ekWh/m2)	2014-15 (ekWh/m2)	2015-16 (ekWh/m2)	2016-17 (ekWh/m2)	2017-18 (ekWh/m2)
Conservation Goal	4.48	4.42	6.47	4.03	4.02

* NOTE TO USERS: these values can be calculated by totalling the values for each fiscal year from the charts entitled “Design, Construction and Retrofit Strategies”, “Operations and Maintenance Strategies” and “Occupant Behaviour Strategies”.

	FY 2013-14 to 2017-18 (ekWh/m2)
Cumulative Conservation Goal	<i>71.57</i>

Renewable Energy

For a list of the Board’s renewable energy projects, please see Appendix A.

Energy Management Strategies

Energy management strategies fall into three key categories:

1. Design/construction/retrofit
2. Operations and maintenance
3. Occupant Behaviour

1. Design/Construction/Retrofit

Definition

Design/construction/retrofit encompasses the original and ongoing intent of how a building and its systems are to perform as a whole through the integration of disciplines such as, architecture and engineering.

For the Board’s relevant projects over the next five years, please refer to Appendix B.

2. Operations and Maintenance

Definition

Operations and maintenance includes the strategies the Board uses to ensure that the existing buildings and equipment perform at peak efficiency. For the Board’s relevant projects over the next five years, please refer to Appendix C.

3. Occupant Behaviour

Definition

Strategies that the Board uses to educate occupants, including staff, students and community users, with an emphasis in changing specific behaviours to reduce energy consumption. For the Board’s relevant projects over the next five years, please refer to Appendix D.

Environmental Programs

1. In 2013-14 schools within the Board that participated in environmental programs.

- EcoSchools
 __28 - Number of schools that participate
- Earthcare Schools
 _____ Number of schools that participate
- Other
 Name of Program: _____
 _____ Number of schools that participate

Energy Efficient Incentives

1. The Board applies to incentive programs to support the implementation of energy efficient projects on a regular basis.

- Yes No

If yes,

Between Fiscal Year 2009-10 and 2012-13, the Board has received **\$175,000** in incentive funding from various agencies to support the implementation of energy efficient projects.

2. The Board uses the services of the sector’s Incentive Program Advisor.

- Yes No

Energy Procurement

1. The Board participates in a consortia arrangement to purchase electricity.

- Yes No

If yes,

- CSBSA Electricity Consortia
- Other

Provide Name of Consortia: ECNG Energy _____

2. The Board participates in a consortia arrangement to purchase natural gas.

- Yes No

If yes,

- CSBSA Natural Gas Consortia
- Other

Provide Name of Consortia: _ECNG Energy _____

Demand Management

1. The Board monitors electrical Demand.

Yes No

If yes,

- Daily
- Monthly
- Quarterly
- Annually

2. The Board uses the following method to monitor electrical Demand:

- Invoices
- Real-time data
- Online data from the Local Distribution Company (LDC)
- Other

3. The Board uses the following methodologies to reduce electrical Demand:

- Equipment scheduling
- Phased/staged use of equipment
- Demand-limit equipment
- Deferred start-up of large equipment (e.g.: chiller start-up in spring)
- Other

4. The Local Distribution Companies (LDCs) for the Board explicitly state the Power Factor on each bill.

Yes

The Board monitors Power Factor.

Yes No

If yes,

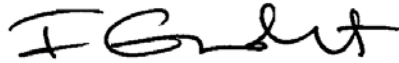
- Monthly
- Quarterly
- Annually

No

Some LDCs provide Power Factor, some don't

Senior Management Approval of this Energy Conservation and Demand Management Plan

I confirm that the Waterloo Region District School Board's senior management has reviewed and approved this Energy Conservation and Demand Management Plan.



June 27, 2014

Name: Ian Gaudet
Job Title: Controller of Facility Services

Date

Renewable Energy	Define	Number of systems in asset portfolio	Total size (kW)	Total number of ekWh generated annually	Actual or Estimated Generation (ekWh)
Solar photovoltaic	10 kW Solar PV	6	52	60,000	55,000
Solar air					
Solar water	Heating Swimming Pool	1	30	34600	26000
Wind Turbine					
Biomass					
Other					

Design, Construction and Retrofit Strategies												
Lighting	Quantity of Time that Measure will be in place (years)	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
High Efficiency Lighting Systems (T-8, T-5, CFL, LED ...)	15	\$ 75,000	74,074	\$ 75,000	74,074	\$ 150,000	148,148	\$ 75,000	74,074	\$ 75,000	74,074	1,333,333
Daylight Sensors	10	\$ 15,000	22,222	\$ 8,000	11,852	\$ 8,000	11,852	\$ 8,000	11,852	\$ 8,000	11,852	229,630
Outdoor Lighting	15	\$ 30,000	29,630	\$ 30,000	29,630	\$ 60,000	59,259	\$ 30,000	29,630	\$ 30,000	29,630	533,333
Occupancy Sensors	10	\$ 25,000	37,037	\$ 20,000	29,630	\$ 40,000	59,259	\$ 20,000	29,630	\$ 20,000	29,630	570,370
Daylight Harvesting	10	\$ 5,000	7,407	\$ 5,000	7,407	\$ 20,000	29,630	\$ 5,000	7,407	\$ 5,000	7,407	177,778
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
HVAC	Quantity of Time that Measure will be in place	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Efficient Boilers (near condensing)	30	\$ 820,000	1,419,775	\$ 950,000	1,644,861	\$ 1,000,000	1,731,433	\$ 1,000,000	1,731,433	\$ 1,000,000	1,731,433	24,066,920
High Efficiency Boilers (condensing)	20	\$ 180,000	467,487	\$ 50,000	129,857	\$ 200,000	519,430	\$ -	-	\$ -	-	4,415,154
High-efficiency boiler burners	10	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Geothermal	15	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Heat recovery/enthalpy wheels	20	\$ 150,000	348,902	\$ 90,000	209,341	\$ 240,000	558,243	\$ -	-	\$ -	-	4,256,606
Economizers	20	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Energy efficient HVAC systems	20	\$ 300,000	47,499	\$ 300,000	47,499	\$ 1,000,000	158,330	\$ 225,000	35,624	\$ 225,000	35,624	1,009,351
Energy efficient Rooftop units	15	\$ 50,000	19,791	\$ 50,000	19,791	\$ 200,000	79,165	\$ 75,000	29,687	\$ 75,000	29,687	504,676
High Efficiency Domestic Hot Water	10	\$ 6,000	12,330	\$ 6,000	12,330	\$ 9,000	18,495	\$ 5,000	10,275	\$ 5,000	10,275	197,282
Efficient Chillers and Controls	25	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
High-efficiency motors	20	\$ 10,000	4,938	\$ 20,000	9,877	\$ 20,000	9,877	\$ 10,000	4,938	\$ 10,000	4,938	108,642
VFD	15	\$ 10,000	18,247	\$ 10,000	18,247	\$ 10,000	18,247	\$ -	-	\$ -	-	218,966
Demand Ventilation	10	\$ 20,000	47,499	\$ 15,000	35,624	\$ 40,000	94,998	\$ 15,000	35,624	\$ 15,000	35,624	771,857
Entrance Heater Controls	10	\$ 10,000	23,749	\$ 20,000	47,499	\$ 20,000	47,499	\$ 20,000	47,499	\$ 20,000	47,499	593,736
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Controls	Quantity of Time that Measure will be in place	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Building Automation Systems - New	10	\$ -	-	\$ 100,000	79,165	\$ 400,000	316,659	\$ -	-	\$ -	-	1,266,637
Building Automation Systems - Upgrade	10	\$ 150,000	118,747	\$ 200,000	158,330	\$ 200,000	158,330	\$ 300,000	237,494	\$ 300,000	237,494	2,414,527
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Building Envelope	Quantity of Time that Measure will be in place	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Glazing	30	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Increased Wall Insulation	50	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
New Roof	25	\$ 1,500,000	139,561	\$ 2,500,000	232,601	\$ 2,500,000	232,601	\$ 2,500,000	232,601	\$ 2,500,000	232,601	3,023,818
New Windows	30	\$ 1,000,000	232,601	\$ 1,000,000	232,601	\$ 1,000,000	232,601	\$ 1,000,000	232,601	\$ 1,000,000	232,601	3,489,021
Treatments	10	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Shading Devices	30	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Design, Construction and Retrofit Strategies Total		\$ 4,356,000	3,071,498	\$ 5,449,000	3,030,217	\$ 7,117,000	4,484,056	\$ 5,288,000	2,750,370	\$ 5,288,000	2,750,370	49,181,638

Operations and Maintenance Strategies												
Policy and Planning	Quantity of Time that Measure will be in place (years)	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
New school design/construction guidelines and specifications	5	\$ 5,000	11,875		-	\$ 5,000	11,875		-	\$ 5,000	11,875	106,872
Day and Night Temperature Guidelines for all Schools	10	\$ -	-	\$ 5,000	18,608	\$ -	-	\$ 5,000	18,608	\$ -	-	111,649
Night time blackout of sites	Interior	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
	Exterior	\$ 1,000	1,058	\$ 1,000	1,058	\$ 1,000	1,058	\$ 1,000	1,058	\$ 1,000	1,058	15,873
Procures only Energy Star certified appliances	5	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Daylight Harvesting (servicing)	3	\$ 1,500	2,222	\$ 1,500	2,222	\$ 1,500	2,222	\$ 1,500	2,222	\$ 1,500	2,222	33,333
Demand Ventilation (servicing)	3	\$ 2,000	4,750	\$ 2,000	4,750	\$ 2,000	4,750	\$ 2,000	4,750	\$ 2,000	4,750	71,248
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Energy Audits	Quantity of Time that Measure will be in place	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Walk Through Audit	5		-		-		-		-		-	-
Engineering Audit	5	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
boiler plant regression analysis	30	6000	17,951	3000	8,975	3000	8,975	3000	8,975	3000	8,975	179,506
Real Time Monitoring	Quantity of Time that Measure will be in place	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Real-time energy data for operators to identify and diagnose building issues	5	\$ 2,000	2,963	\$ 2,000	2,963	\$ 2,000	2,963	\$ 2,000	2,963	\$ 2,000	2,963	44,444
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Operations and Maintenance Strategies Total		\$ 17,500	40,819	\$ 14,500	38,577	\$ 14,500	31,843	\$ 14,500	38,577	\$ 14,500	31,843	562,927

Occupant Behaviour Strategies												
Training and Education	Quantity of Time that Measure will be in place (years)	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation
Building Operator Training	5	\$ 5,000	18,608	\$ 5,000	18,608	\$ 5,000	18,608	\$ 5,000	18,608	\$ 5,000	18,608	279,122
NRCan Benchmarking Program	5	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Building Automation Training (site specific)	3	\$ 2,000	7,064	\$ 2,000	7,064	\$ 3,000	10,597	\$ 2,000	7,064	\$ 2,000	7,064	116,562
Ongoing training and awareness programs for energy conservation	5	\$ 5,000	8,010	\$ 5,000	8,010	\$ 5,000	8,010	\$ 5,000	8,010	\$ 5,000	8,010	120,151
Provide detailed information on Building Operational costs	1	\$ 1,000	11,875	\$ 1,000	11,875	\$ 1,000	11,875	\$ 1,000	11,875	\$ 1,000	11,875	178,121
Provide detailed information on energy consumption (e.g. via the Utility Consumption Database or other database)	1	\$ 1,000	11,875	\$ 1,000	11,875	\$ 1,000	11,875	\$ 1,000	11,875	\$ 1,000	11,875	178,121
Participate in environmental programs, such as EcoSchools, Earthcare	1	\$ 7,500	12,015	\$ 7,500	12,015	\$ 7,500	12,015	\$ 7,500	12,015	\$ 7,500	12,015	180,227
Other tools (Define)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Occupant Behaviour Strategies Total		\$ 21,500	69,447	\$ 21,500	69,447	\$ 22,500	72,979	\$ 21,500	69,447	\$ 21,500	69,447	1,052,304

Conservation Goal

	FY2013
Total Building Area (includes portables) (m ²)	709,705
Total Building Area (includes portables) (ft ²)	7,639,454
Energy Consumption for the board (ekWh)	166,531,041

Enter from UCD - use square meters
 Enter from UCD - use square feet
 Enter from UCD

1 ft² = 0.0929 m²

	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Appendix B; Design, Construction and Retrofit Strategies Total	\$ 4,356,000	3,071,498	\$ 5,449,000	3,030,217	\$ 7,117,000	4,484,056	\$ 5,288,000	2,750,370	\$ 5,288,000	2,750,370	49,181,638
Appendix C; Operations and Maintenance Strategies Total	\$ 17,500	40,819	\$ 14,500	38,577	\$ 14,500	31,843	\$ 14,500	38,577	\$ 14,500	31,843	562,927
Appendix D; Occupant Behaviour Strategies Total	\$ 21,500	69,447	\$ 21,500	69,447	\$ 22,500	72,979	\$ 21,500	69,447	\$ 21,500	69,447	1,052,304
TOTAL	\$ 4,395,000	3,181,764	\$ 5,485,000	3,138,241	\$ 7,154,000	4,588,879	\$ 5,324,000	2,858,394	\$ 5,324,000	2,851,661	50,796,869
Percentage reduction		2		2		3		2		2	6.10058862
Conservation Goal (ekWh/m ²)	↑	4.48	↑	4.42	↑	6.47	↑	4.03	↑	4.02	71.57
Conservation Goal (ekWh/ft ²)		0.416490997		0.410793872		0.600681531		0.374162111		0.373280714	6.649279998

UP or DOWN ARROW in column A to	Energy Consumption and Greenhouse Gas Emissions Reporting - for 2012																
Confirm consecutive 12-mth period (mth-yr to mth-yr)																	
Sector																	
Agency Sub-sector	SchoolBoard																
Organization Name	Waterloo Region District School Board	Please fill in the mandatory fields indicated in red, in addition to submitting data on your energy usage.															
Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area	Unit	Avg hrs/wk	Swimming Pool (Y/N)	Number of Portables	Energy Type and Amount Purchased and Consumed in Natural Units						Total (calculated in webform)	
										Electricity		Natural Gas		Propane		GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
										Quantity	Unit	Quantity	Unit	Quantity	Unit		
Stephenson Building	School	2160 Yonge Street	Toronto	M7A 2G5	135034	Square meters	70	Yes	10	2181065	kWh	125300	Cubic meter		Litre		
A R Kaufman PS	School	11 Chopin Dr	Kitchener	N2M2G3	48933.78186	Square feet	60	No	6.0000001	433814.0713	kWh	61846.63908	Cubic Meter	0	Litre	158592.4291	22.29760951
Abraham Erb PS	School	710 Laurelwood Drive	Waterloo	N2V2V3	51233.99892	Square feet	60	No	0	397413.3334	kWh	43805.50722	Cubic Meter	0	Litre	120987.4512	16.84366853
Alpine PS	School	75 Lucerne Dr	Kitchener	N2E1B4	30060.361	Square feet	60	No	2	253997	kWh	54815.10477	Cubic Meter	0	Litre	128028.789	27.82933012
Avenue Road PS	School	40 Gail St	Cambridge	N1R4M2	50538.10301	Square feet	60	No	0	267262.8588	kWh	53592.3936	Cubic Meter	0	Litre	126991.1513	16.55841468
Ayr PS	School	105 Hall St	Ayr	N0B1E0	23020.0994	Square feet	60	No	6.0000001	108245.1781	kWh	43750.26075	Cubic Meter	0	Litre	93111.29114	24.90055247
Baden PS	School	155 Livingston Blvd	Baden	N3A4M6	65272.25951	Square feet	60	No	6.0107528	475331.4281	kWh	46138.00001	Cubic Meter	0	Litre	132880.5789	14.79458212
Blair O.E.C.	School	82 Meadowcreek Lane	Cambridge	N3H4R8	3892.979479	Square feet	50	No	1	16661.67115	kWh	7509.290861	Cubic Meter	0	Litre	15797.45495	24.78018196
Blair Road PS	School	85 Sunset Blvd	Cambridge	N1S1A9	28201.44735	Square feet	60	No	0	230542.8563	kWh	29316.87514	Cubic Meter	0	Litre	77568.6116	19.22298741
Bluevale CI	School	80 Bluevale St N	Waterloo	N2J3R5	180902.2791	Square feet	80	No	17	1520612.969	kWh	261485.1307	Cubic Meter	0	Litre	640410.5177	23.76763105
Breslau PS	School	58 Joseph St	Breslau	N0B1M0	48506.95204	Square feet	60	No	14	373341.8195	kWh	71572.50028	Cubic Meter	0	Litre	171172.6498	23.377805911
Bridgeport PS	School	59 Bridge St W	Kitchener	N2K1K6	43188.56874	Square feet	60	No	1	220616.7206	kWh	72025.28908	Cubic Meter	0	Litre	157360.9861	22.83209331
Brigadoon PS	School	415 Caryndale Dr	Kitchener	N2R1J7	49792.95929	Square feet	60	No	6	491973.1855	kWh	33479.50409	Cubic Meter	0	Litre	110546.3591	17.0262202
Cameron Heights CI	School	301 Charles St E	Kitchener	N2G2P8	247108.1404	Square feet	100	No	6.0000001	2655901.875	kWh	477596.698	Cubic Meter	0	Litre	1158030.028	31.28870245
Cedar Creek PS	School	55 Hilltop Dr	Ayr	N0B1E0	42012.56979	Square feet	60	No	10	346251.8207	kWh	36188.55045	Cubic Meter	0	Litre	101673.0754	17.39611903
Cedarbrae PS	School	230 Cedarbrae Ave	Waterloo	N2L4S7	43499.97817	Square feet	60	No	0	287001.274	kWh	71567.88327	Cubic Meter	0	Litre	162871.7748	24.08297249
Centennial PS (1)	School	100 Weaver St	Cambridge	N3C1W4	32613.53187	Square feet	60	No	1	218544.9375	kWh	53964.75174	Cubic Meter	0	Litre	123016.2725	24.28655345
Centennial PS (2)	School	141 Amos Ave	Waterloo	N2L2W8	48453.69101	Square feet	60	No	10	257304.7048	kWh	83598.63324	Cubic Meter	0	Litre	182765.377	23.64675038
Central PS	School	175 East Main St	Cambridge	N1R1W5	30095.03093	Square feet	60	No	0	160616.8059	kWh	57684.61389	Cubic Meter	0	Litre	124485.7265	25.70776619
Chalmers Street PS	School	35 Chalmers St S	Cambridge	N1R5B4	31532.30086	Square feet	60	No	7.0000001	240504.0251	kWh	52448.26932	Cubic Meter	0	Litre	122258.1206	25.30460872
Clemens Mill PS	School	335 Saginaw Parkway	Cambridge	N1T1R6	56117.59926	Square feet	60	No	10	517495.8203	kWh	55142.15239	Cubic Meter	0	Litre	153953.5407	19.66467443
Conestogo PS	School	1948 Sawmill Rd.	Conestogo	N0B1N0	30169.60199	Square feet	60	No	5	209538.6596	kWh	44550.17164	Cubic Meter	0	Litre	104351.8502	22.63894463
Coronation PS	School	757 Concession Rd	Cambridge	N3H4L1	34880.18143	Square feet	60	No	3	256815.4539	kWh	73893.88779	Cubic Meter	0	Litre	164370.3356	29.87780373
Country Hills PS	School	195 Country Hills Dr	Kitchener	N2E2G7	38771.00954	Square feet	60	No	12	401068.8916	kWh	50689.66208	Cubic Meter	0	Litre	134353.9001	24.23943373
Courtland Senior PS	School	107 Courtland Ave E	Kitchener	N2G2T9	46375.01959	Square feet	60	No	0	204562.4268	kWh	69040.74308	Cubic Meter	0	Litre	150176.4684	20.23313535
Crestview PS	School	153 Montcalm Dr	Kitchener	N2B2R6	47164.9806	Square feet	60	No	0	226347.1006	kWh	104399.9606	Cubic Meter	0	Litre	219119.7598	28.3236966
Dickson PS	School	65 St Andrew's St	Cambridge	N1S1M6	16274.92144	Square feet	50	No	0	52682.50089	kWh	18944.75716	Cubic Meter	0	Litre	40877.09679	15.60825693
Doon PS	School	1401 Doon Village Rd	Kitchener	N2P1A8	45368.89768	Square feet	60	No	3	264168.2295	kWh	56056.32594	Cubic Meter	0	Litre	131352.3201	18.95400605
Driftwood Park PS	School	50 Parkland Crs	Kitchener	N2N1S4	44802.92084	Square feet	60	No	6.0000001	407998.4023	kWh	32207.52005	Cubic Meter	0	Litre	100076.5736	16.74651405
Eastwood CI	School	760 Weber St E	Kitchener	N2H1H6	169413.0444	Square feet	80	No	9.9999999	1279342.164	kWh	203875.8184	Cubic Meter	0	Litre	508321.1484	20.34134331
Edna Staebler PS	School	450 Bernay Drive	Waterloo	N2T3A3	71806.02373	Square feet	60	No	0	523505	kWh	49283.58607	Cubic Meter	0	Litre	143454.2987	14.58484829
Education Centre	Administrative offices and related facilities	49-51 Ardelst Ave	Kitchener	N2C2R5	183772.2483	Square feet	70	No	0	2319904	kWh	142045	Cubic Meter	0	Litre	491357.6924	20.8384379
Elgin Street PS	School	685 Elgin St N	Cambridge	N1R7W6	51839.29958	Square feet	60	No	4	406872.7299	kWh	50866.57558	Cubic Meter	0	Litre	135245.7782	18.27708629
Elizabeth Ziegler PS	School	90 Moore Ave S	Waterloo	N2J1X2	46839.03939	Square feet	60	No	2	195612.1216	kWh	73267.33452	Cubic Meter	0	Litre	157307.789	20.80061903
Elmira District SS	School	4 University Ave W	Elmira	N3B1K2	159452.0008	Square feet	80	No	9	1024609	kWh	230673.5378	Cubic Meter	0	Litre	534521.0672	21.80064159
Empire PS	School	83 Empire St	Waterloo	N2L2M1	32830.19005	Square feet	60	No	12	220599.9993	kWh	48180.70824	Cubic Meter	0	Litre	112278.1718	22.31646606
Floradale PS	School	35 Florapine Road	Elmira	N3B2Z1	38562.04925	Square feet	60	No	9	245980.1285	kWh	39679.50439	Cubic Meter	0	Litre	98643.07389	17.31456356
Forest Glen PS	School	437 Waterloo St	New Hambu	N0B2G0	52046.70967	Square feet	60	No	6.0000001	299657.1426	kWh	67054.22904	Cubic Meter	0	Litre	155553.6079	19.44973164
Forest Heights CI	School	255 Fischer-Hallman Rd	Kitchener	N2M4X8	197976.0513	Square feet	80	No	7.0000001	1385467.359	kWh	367560.8777	Cubic Meter	0	Litre	827980.8047	26.72960879
Forest Hill PS	School	255 Westmount Rd E	Kitchener	N2M4Z2	61613.05064	Square feet	60	No	10	267649.7803	kWh	70056.64299	Cubic Meter	0	Litre	158156.0657	16.42827532
Franklin PS	School	371 Franklin St N	Kitchener	N2A1Y9	56417.94164	Square feet	60	No	4	339682.0469	kWh	79521.36577	Cubic Meter	0	Litre	182968.305	21.00071989
Galt CI	School	200 Water St N	Cambridge	N1R6V2	177069.9788	Square feet	80	No	0	1140036	kWh	329828.7794	Cubic Meter	0	Litre	733072.2532	26.23472792
Glencairn PS	School	664 Erinbrook Dr	Kitchener	N2E2R1	41479.01229	Square feet	60	No	8.0000001	266028.4287	kWh	43675.56507	Cubic Meter	0	Litre	108123.5729	17.60414615
Glenview Park SS	School	55 McKay St	Cambridge	N1R4G6	170302.8115	Square feet	80	No	1	945144	kWh	318547.9748	Cubic Meter	0	Litre	693027.0316	25.42882764
Grand River CI	School	175 Indian Rd	Kitchener	N2B2S7	205782.7598	Square feet	80	No	11	1586792.087	kWh	315330.628	Cubic Meter	0	Litre	748568.1112	23.99644988
Grand View P.S.	School	1144 Hamilton St.	Cambridge	N3H2Y1	35755.00022	Square feet	60	No	0	276946	kWh	25103.77091	Cubic Meter	0	Litre	74059.76093	15.2074752
Grandview PS	School	341 Huron St	New Hambu	N3A1K4	21262.58127	Square feet	60	No	3	122373.0407	kWh	28845.01528	Cubic Meter	0	Litre	66287.87154	20.17306485
Hespeler PS	School	300 Winston Blvd	Cambridge	N3C3J6	66308.00081	Square feet	60	No	8	453370.3938	kWh	48038.38283	Cubic Meter	0	Litre	134364.3562	14.53688246
Highland PS	School	125 Salisbury Ave	Cambridge	N1S1J8	43309.74163	Square feet	60	No	6.9892473	262891.4301	kWh	326862.4087	Cubic Meter	0	Litre	643222.9882	86.2787927
Hillcrest PS	School	31 Renwick Ave	Cambridge	N3C2T5	31684.11855	Square feet	60	No	4.9784946	236340.4713	kWh	32934.67397	Cubic Meter	0	Litre	84965.3227	18.50652215
Howard Robertson PS	School	130 Morgan Ave	Kitchener	N2A2M5	42345.01078	Square feet	60	No	0	218721.291	kWh	83201.04371	Cubic Meter	0	Litre	178308.1324	26.04706929
Huron Heights SS	School	1825 Strasburg Road	Kitchener	N2R1S3	155833.785	Square feet	80	No	3.0053764	1643471.539	kWh	206120.8054	Cubic Meter	0	Litre	547536.5666	24.60363454
J F Carmichael PS	School	80 Patricia Ave	Kitchener	N2M1J3	50299.96925	Square feet	60	No	0	226702.3242	kWh	57482.01204	Cubic Meter	0	Litre	130449.5352	16.65226325
J.W. Gerth PS	School	171 Apple Ridge Dr	Kitchener	N2P0A1	61254.10111	Square feet	60	No	4	397424.7261	kWh	35035.40439	Cubic Meter	0	Litre	104407.5522	12.56688413
Jacob Hespeler SS	School	355 Holiday Inn Dr	Cambridge	N3C1Z2	181285.045	Square feet	90	No	0	1524186	kWh	271629.1174	Cubic Meter	0	Litre	659932.1667	24.33184539

John Darling PS	School	200 Rolling Meadows D	Kitchener	N2N2W7	37033.01238	Square feet	60	No	1	196101.291	kWh	37393.54021	Cubic Meter	0	Litre	89530.80474	16.02655197
John Mahood PS	School	5 First St W	Elmira	N3B1G1	33108.03789	Square feet	60	No	6.0000001	310334.0551	kWh	35446.68109	Cubic Meter	0	Litre	96820.93499	20.75186332
Keatsway PS	School	323 Keats Way	Waterloo	N2L5V9	35441.00089	Square feet	60	No	7	233456.5504	kWh	19481.88835	Cubic Meter	0	Litre	59254.15123	12.42926848
King Edward PS	School	709 King St W	Kitchener	N2G1E3	40750.01148	Square feet	60	No	0	145641.4182	kWh	72439.67838	Cubic Meter	0	Litre	150943.8136	22.46659897
Kitchener-Waterloo C & VS	School	787 King St W	Kitchener	N2G1E3	217782.0571	Square feet	80	No	0	1260814.375	kWh	353780.2111	Cubic Meter	0	Litre	789955.0318	23.0538348
Lackner Woods PS	School	151 Zeller Drive	Kitchener	N2A4H4	48519.03761	Square feet	60	No	8	461290.8927	kWh	43527.62086	Cubic Meter	0	Litre	126596.8726	19.04186039
Laurelwood PS	School	460 Brentcliffe Drive	Waterloo	N2T2R5	56092.48805	Square feet	60	No	16	666705.6378	kWh	45800.02422	Cubic Meter	0	Litre	150621.1718	20.56350363
Laurentian PS	School	775 Westmount Rd E	Kitchener	N2E1J2	56613.96067	Square feet	60	No	3	291574.9014	kWh	97297.14184	Cubic Meter	0	Litre	211955.4569	23.41520028
Lester B. Pearson PS	School	520 Chesapeake Drive	Waterloo	N2K4G5	61143.38811	Square feet	60	No	7	510747	kWh	44309.63663	Cubic Meter	0	Litre	132825.1372	16.05504646
Lexington PS	School	431 Forestlawn Rd	Waterloo	N2K2J5	25084.01998	Square feet	60	No	13	135687.1501	kWh	48404.04788	Cubic Meter	0	Litre	104545.3937	25.91747963
Lincoln Avenue PS	School	77 Lincoln Ave	Cambridge	N1R4X1	46499.98756	Square feet	60	No	0	339670.3045	kWh	92522.88005	Cubic Meter	0	Litre	207548.1912	28.45125151
Lincoln Heights PS	School	270 Quickfall Dr	Waterloo	N2J3S9	52124.98862	Square feet	60	No	0	265799.8452	kWh	78792.93234	Cubic Meter	0	Litre	174495.4624	21.16438945
Linwood PS	School	50 Pine St	Linwood	N0B2A0	51643.05235	Square feet	60	No	0	291379.8697	kWh	81113.35104	Cubic Meter	0	Litre	181339.2142	22.33474638
MacGregor Sr PS	School	32 Central St	Waterloo	N2L3A6	53007.92129	Square feet	60	No	6.0000001	297161.54	kWh	62972.7021	Cubic Meter	0	Litre	147597.2852	18.2316407
MacKenzie King PS	School	51 Natchez Rd	Kitchener	N2B3A7	26979.74025	Square feet	60	No	0	171853.6094	kWh	41593.87691	Cubic Meter	0	Litre	95143.32737	22.75426124
Manchester PS	School	455 Dundas St	Cambridge	N1R5R5	28718.95948	Square feet	60	No	3	131671.1431	kWh	51817.43308	Cubic Meter	0	Litre	110613.1346	23.76044533
Margaret Avenue PS	School	325 Louisa St	Kitchener	N2H5N1	54070.02916	Square feet	60	No	0	264687.9325	kWh	84474.82824	Cubic Meter	0	Litre	185131.0201	21.49929614
Mary Johnston PS	School	475 Brynhurst Blvd	Waterloo	N2T2C6	42436.38138	Square feet	60	No	2	250529.5795	kWh	42716.3682	Cubic Meter	0	Litre	104821.5799	16.60154782
McQuarrie Centre	School	1122 Queens Boulevard	Kitchener	N2M1C2	8542.049175	Square feet	60	No	0	28046.13404	kWh	35749.55539	Cubic Meter	0	Litre	70282.62538	47.76189275
Meadowlane PS	School	236 Forestwood Dr	Kitchener	N2N1C1	31935.01814	Square feet	60	No	0	270286.4506	kWh	42064.66955	Cubic Meter	0	Litre	105486.9107	22.46250104
Millen Woods PS	School	640 New Hampshire St	Waterloo	N2K0A5	54519.2078	Square feet	60	No	0	380640	kWh	40733.60889	Cubic Meter	0	Litre	113568.7264	14.92222181
Moffat Creek PS	School	710 Myers Road	Cambridge	N1P0A8	72915.80185	Square feet	60	No	0	347905.0508	kWh	54781.53687	Cubic Meter	0	Litre	136984.2538	12.7559594
N A MacEachern PS	School	580 Rolling Hills Dr	Waterloo	N2L4Z9	32138.97912	Square feet	60	No	3	346151.1151	kWh	40785.0998	Cubic Meter	0	Litre	110353.764	24.25733741
New Dawn	School	90 Fairfield Avenue	Kitchener	N2H6C1	4757.649381	Square feet	50	No	0	28439.4353	kWh	11329.72035	Cubic Meter	0	Litre	24151.59857	31.28628546
New Dundee PS	School	1430 Bridge St.	New Dundee	N0B2E0	23894.03877	Square feet	60	No	3	130341.7839	kWh	32124.3932	Cubic Meter	0	Litre	73253.27007	19.74352999
Northlake Woods PS	School	500 Northlake Dr	Waterloo	N2V2A4	52028.22009	Square feet	60	No	0	331986.8246	kWh	67687.32565	Cubic Meter	0	Litre	159855.5001	20.20735334
Park Manor PS	School	18 Mockingbird Dr	Elmira	N3B1T1	39541.9594	Square feet	60	No	4	278159.7388	kWh	67008.67299	Cubic Meter	0	Litre	153402.8677	25.04461052
Parkway PS	School	436 Preston Pkwy	Cambridge	N3H5L7	26017.9811	Square feet	60	No	1	301928.7893	kWh	46493.2615	Cubic Meter	0	Litre	116898.6564	30.59610204
Pioneer Park PS	School	55 Upper Canada Dr	Kitchener	N2P1G2	31623.05064	Square feet	60	No	1	246686.9756	kWh	51630.64096	Cubic Meter	0	Litre	121306.101	25.15272556
Preston HS	School	550 Rose St	Cambridge	N3H2E6	167981.9036	Square feet	80	No	1	949839.0781	kWh	278268.1558	Cubic Meter	0	Litre	617323.8337	23.25971371
Preston PS	School	210 Westminster Dr N	Cambridge	N3H5C8	30250.03065	Square feet	60	No	0	200256.3645	kWh	30555.71243	Cubic Meter	0	Litre	77002.07617	17.35521092
Prueter PS	School	40 Prueter Ave	Kitchener	N2H6G6	33750.03059	Square feet	60	No	0	126884.7258	kWh	57884.46305	Cubic Meter	0	Litre	121623.9378	21.98717684
Queen Elizabeth PS	School	191 Hoffman St	Kitchener	N2M3N2	35329.95111	Square feet	60	No	0	177717.4686	kWh	65062.57283	Cubic Meter	0	Litre	140077.0426	24.6020149
Queensmount Sr PS	School	21 Westmount Rd W	Kitchener	N2M1R6	47277.9979	Square feet	60	No	1	240657.3604	kWh	81521.81122	Cubic Meter	0	Litre	177240.0703	23.41581792
Riverside PS	School	14 William St	Elmira	N3B1N9	19221.92993	Square feet	60	No	9	143740	kWh	18804.74056	Cubic Meter	0	Litre	49357.53984	17.87503079
Rockway PS	School	70 Vanier Dr	Kitchener	N2C1J5	26324.97125	Square feet	60	No	0	104803.1625	kWh	48646.71861	Cubic Meter	0	Litre	102038.0954	23.62052493
Rosemount	School	80 Burlington Dr	Kitchener	N2B1T5	25304.98434	Square feet	60	No	0	90096.88171	kWh	50144.47176	Cubic Meter	0	Litre	103457.3967	24.62049124
Ryerson PS	School	749 Grand Valley Dr	Cambridge	N3H2S3	43600.26782	Square feet	60	No	6.0000001	392767.272	kWh	42670.8372	Cubic Meter	0	Litre	118396.0057	19.40959211
Saginaw PS	School	740 Saginaw Parkway	Cambridge	N1T1V6	46423.02122	Square feet	60	No	0	446558.4475	kWh	57408.37714	Cubic Meter	0	Litre	151425.3011	22.76202302
Sandhills PS	School	1250 Victoria St. S	Kitchener	N2N3J2	58785.02003	Square feet	60	No	6.0000001	568806.7192	kWh	70036.80391	Cubic Meter	0	Litre	187041.6698	22.33804211
Sandowne PS	School	265 Sandowne Dr	Waterloo	N2K2C1	44799.99988	Square feet	60	No	0	367120.0004	kWh	73536.87581	Cubic Meter	0	Litre	174289.0077	25.63958752
Sheppard PS	School	270 Weber St E	Kitchener	N2H1G2	44935.01998	Square feet	60	No	0	213215.0498	kWh	72451	Cubic Meter	0	Litre	157454.9902	21.88066505
Silverheights PS	School	390 Scott Rd	Cambridge	N3C3Z7	56830.03318	Square feet	60	No	15	458978	kWh	49467.39857	Cubic Meter	0	Litre	137604.6465	17.32721988
Sir Adam Beck	School	1140 Snyder's Road We	Baden	N3A0A8	51873.43737	Square feet	60	No	0	268988.5712	kWh	33009.57285	Cubic Meter	0	Litre	88242.45206	11.94844571
Sir John A. Macdonald SS	School	650 Laurelwood Dr	Waterloo	N2V2V1	208747.6306	Square feet	80	No	3	1912584.266	kWh	208153.0894	Cubic Meter	0	Litre	577224.4439	19.75969198
Smithson PS	School	150 Bellevue Ave	Kitchener	N2B1G7	35724.98827	Square feet	60	No	0	117151.1913	kWh	66288.62803	Cubic Meter	0	Litre	136578.2703	22.99936228
Southridge PS	School	1425 Queen's Blvd	Kitchener	N2M5B3	48939.94875	Square feet	60	No	0	232131.2118	kWh	98464.2229	Cubic Meter	0	Litre	208452.9999	26.12563045
Southwood SS	School	30 Southwood Dr	Cambridge	N1S4K3	142507.9883	Square feet	80	No	11	891413.6602	kWh	118526.1803	Cubic Meter	0	Litre	309700.1647	15.09447645
St Andrew's PS	School	65 Victoria Ave	Cambridge	N1S1X2	57138.03718	Square feet	60	No	6.0000001	314243.9827	kWh	55372.21417	Cubic Meter	0	Litre	134868.1953	15.79906436
St Jacobs PS	School	72 Queensway Dr.	St. Jacobs	N0B2N0	31976.01969	Square feet	60	No	1	168883	kWh	49944.13339	Cubic Meter	0	Litre	110645.2504	21.88133854
Stanley Park PS	School	191 Hickson Dr	Kitchener	N2B2H8	49600.94873	Square feet	60	No	2	300267.1953	kWh	90833.1919	Cubic Meter	0	Litre	200569.3465	25.51608659
Stewart Avenue PS	School	145 Stewart Ave	Cambridge	N1R2V5	60952.04882	Square feet	60	No	9.0000001	408735.196	kWh	47629.35942	Cubic Meter	0	Litre	129304.2811	15.01064237
Suddaby PS	School	171 Frederick St	Kitchener	N2H2M6	57480.03628	Square feet	60	No	0	129860.8901	kWh	79333.30909	Cubic Meter	0	Litre	162461.5361	16.9275747
Sunnyside PS	School	1042 Weber St E	Kitchener	N2A1B6	54335.0385	Square feet	60	No	0	237807.7988	kWh	72804.16361	Cubic Meter	0	Litre	160484.5784	18.61697796
Tait Street PS	School	184 Tait St	Cambridge	N1S3G3	33564.99187	Square feet	60	No	0	170263.4366	kWh	50146.98017	Cubic Meter	0	Litre	111161.3351	20.95082763
Three Bridges PS	School	2043 Three Bridges Roa	St. Jacobs	N0B2N0	15287.96854	Square feet	50	No	3	109814.0156	kWh	11581.79724	Cubic Meter	0	Litre	32443.39662	15.23438339
Trillium PS	School	79 Laurentian Dr	Kitchener	N2E1C3	26592.01814	Square feet	60	No	2	233694.4893	kWh	35376.37292	Cubic Meter	0	Litre	89327.54456	22.92668005
W. T. Townshend	School	245 Activa Ave	Kitchener	N2E4A3	65552.92115	Square feet	60	No	6.9946237	507168.0042	kWh	34618.48661	Cubic Meter	0	Litre	114159.0606	13.34929923
Waterloo CI	School	300 Hazel St	Waterloo	N2L3P2	185895.0632	Square feet	80	No	9	1323467	kWh	285183.9558	Cubic Meter	0	Litre	666282.2576	23.42363704
Waterloo-Oxford DSS	School	1206 Snyder's Road We	Baden	N0B1G0	179043.5933	Square feet	80	No	11	1099008.16	kWh	331975.5191	Cubic Meter	0	Litre	733190.6234	25.84381749
Wellesley PS	School	1059 Queen's Bush Rd.	Wellesley	N0B2T0	55021.86984	Square feet	60	No	2	287404.0704	kWh	87215.54837	Cubic Meter	0	Litre	192494.3575	22.06961474
Westheights PS	School	429 Westheights Dr	Kitchener	N2N1M3	47966.08912	Square feet	60	No	10	472653.9688	kWh	52975.31465	Cubic Meter	0	Litre	145550.2474	21.5915831
Westmount PS	School	329 Glasgow St	Kitchener	N2M2M9	32694.02837	Square feet	60	No	12	335524.394	kWh	37633.26024	Cubic Meter	0	Litre	103374.2207	22.49592138
Westvale PS	School	265 Westvale Dr	Waterloo	N2T2B2	51697.96211	Square feet	60	No	5	414641.3811	kWh	22935.70071	Cubic Meter	0	Litre	83185.01327	12.73545159
William G. Davis PS	School	530 Langs Dr	Cambridge	N3H5G5	55087.96727	Square feet	60	No	1	276883.6383	kWh	115927.202	Cubic Meter	0	Litre	245767.0027	27.39131908

Williamsburg PS	School	760 Commonwealth Cr	Kitchener	N2E4K7	68796.59236	Square feet	60	No	7.9946237	487568.9739	kWh	42685.03606	Cubic Meter	0	Litre	127527.6059	13.681143
Wilson Avenue PS	School	221 Wilson Ave	Kitchener	N2C1G9	55032.99753	Square feet	60	No	13	384069.8652	kWh	59208.37825	Cubic Meter	0	Litre	148827.0284	18.41301312
Winston Churchill PS	School	100 Milford Dr.	Waterloo	N2L3Z3	25579.97924	Square feet	60	No	5	157122.1437	kWh	24080.33981	Cubic Meter	0	Litre	60616.95129	16.14710557
Woodland Park PS	School	555 Ellis Rd W	Cambridge	N3C2V4	50793.03982	Square feet	60	No	5	370396.8881	kWh	35106.6792	Cubic Meter	0	Litre	101946.5527	14.63788835
Wrigley's Corners O.E.C.	School	RR 3	Ayr	N0B1E0	2898.290525	Square feet	50	No	0	19630.44637	kWh	0	Cubic Meter	7239	Litre	13040.49125	24.33318309