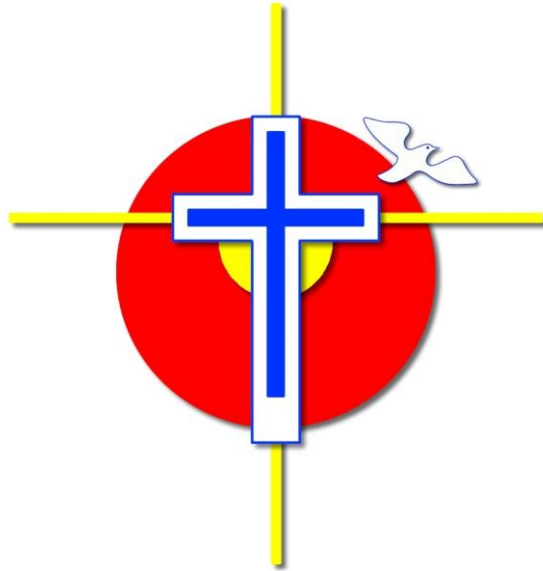


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**CATHOLIC DISTRICT**  
SCHOOL BOARD OF  
**EASTERN ONTARIO**

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***ENERGY CONSERVATION  
AND  
DEMAND MANAGEMENT PLAN***

July 2014

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## ***Introduction***

The Catholic District School Board of Eastern Ontario is committed to providing leadership and direction for the protection and conservation of the environment. In order to promote and sustain environmentally responsible practices in terms of both learners and employees, the Catholic District School Board of Eastern Ontario will comply with all legislation related to the preservation of the environment and will continually demonstrate, by attitude and example, that care of the earth and concern for the potential detrimental effects on the environment are integral parts of every function of the Board.

## ***Purpose***

Under the Green Energy Act, *Ontario Regulation 397/11*, all Broader Public Sector organizations, including Ontario School Boards, are required to prepare, publish, make available to the public and implement an Energy Conservation and Demand Management Plan (The Plan). The Plan requires Boards to:

- Report annually to the Ministry on their energy use and greenhouse gas emissions and publish the reports on their website; and
- Develop and publish on their websites a CDM Plan every 5 years.

The Plan is established to support the reduction of energy consumption for the Catholic District School Board of Eastern Ontario, (the Board). The Plan is an overview of all related energy concepts and practices that are in place for the Board.

The Plan fulfils the reporting requirements of the Green Energy Act, providing the Board with a framework to support continued initiatives related to sustainability and conservation. The Plan outlines opportunities to conserve energy and operate sustainable, efficient facilities. The Plan highlights past and future initiatives that may be implemented to foster further conservation.

The goal of the Plan is to raise the profile of energy conservation throughout the system, demonstrate leadership in energy conservation and effectively manage the use of energy for all its facilities. Where necessary, the Board will take steps to reduce consumption so as to meet or exceed provincial standards.

### ***About the Board***

The Board provides quality Catholic education programming for children up to grade 12 in the eastern most counties of Ontario, including the counties of Stormont, Dundas, Glengarry, Prescott, Russell, Lanark, Leeds and Grenville.

The Board operates 45 facilities and manages over 1.8 million square feet of space. The Board employs approximately 1,450 full-time equivalent staff and educates approximately 12,900 students.

The Board operates school facilities in an effective and efficient manner which ultimately supports student achievement.

Energy consumption in a typical year is in the range of 12,743 mega Watt hours of electricity and 1.3 million cubic meters of natural gas. Some of the board's facilities are rural and use other fuel sources for heating such as oil and propane.

The Board's Plant and Maintenance department has responsibility for effectively developing the Plan as well as implementing, monitoring and reporting on the energy management initiatives.

### ***Background***

The Plan responds to the Green Energy Act, Ontario Regulation 397/11 requiring public agencies to prepare an Energy Conservation and Demand Management Plan. The Act was created to expand renewable energy generation and encourage energy conservation.

School Board requirements under the Act are separated as follows:

- Report energy consumption for all owned facilities on an annual basis. Consumption reports are uploaded to the Ministry of Energy and posted on the Board website for public viewing. School boards report consumption in June of each year for the period ranging from Sept 1st to August 31st.

The Green Energy Act mandates school boards to have an "Energy Conservation and Demand Management Plan". The Plan typically includes past and future measures aimed at reducing energy consumption. The Board will continue implementing the Plan's recommendations as needed and as resources are confirmed. The Board will re-evaluate the Plan as required and work closely with local utilities and the provincial Incentives Advisor when considering possible initiatives.

### ***Updates to the Energy Conservation and Demand Management Plan***

This is the Board's first issue of the Plan. The Board will continue to update the Plan in accordance with the Green Energy Act and more frequently as needed.

Energy consumption data is provided to the Ministry of Energy and updated on the Board's web site and intranet site. Hard copies of the consumption data will be made available at each of the Board's administrative facilities and will be included with the Plan.

The Plan will be presented to and approved by senior staff members so they are aware of the Board's approach and requirements under the Green Energy Act.

The Board has committed to reducing energy consumption for many years with promising results. In 2012, the Board reported consumption results that were equal to or better than the majority of schools across the province.

The Board will continue to monitor its overall position relative to other schools to ensure similar benchmarks are achieved.

### ***Energy Management Funding***

School Boards are responsible for decisions relating to operational issues and energy management. Energy consumption is a priority as utility costs form a large part of the Board's budget and rates are likely to escalate. The Plan is established to make Board stakeholders more aware of the importance of energy consumption.

School Boards in Ontario are fully funded by the Ministry of Education. Budgets are allocated in the Boards fiscal year from September 1st to August 31st.

While the Board has energy management strategies in place, the ability to implement physical upgrades and conservation measures depends largely on available funding from the Ministry of Education.

There are no current funding allocations dedicated solely toward energy conservation. The Board will therefore have limited ability to implement physical upgrades related to energy conservation.

The Board does receive annual funding to maintain and upgrade facilities. A portion of those funds may include projects with an energy component.

### ***Facility Variables***

When comparing energy consumption, there are a number of key variables that make each facility unique. Care should be exercised when comparing one facility to another with respect to conservation. The following examples should be taken into consideration when comparing data.

- The hours the facility operates; including summer use, number of months in operation, community and after hours use.
- Age of the facility.
- Number of portable classrooms.
- Use of air conditioning.
- Cafeteria or commercial kitchen and shop equipment.
- Significant changes in the number of occupants at a site.
- User habits and temperature set points.

The variables described here are summarized in Appendix A of the Plan.

### ***Energy Management Strategies and Opportunities Design, Construction, Operations and Maintenance***

When designing, constructing and renovating spaces, the Board uses a number of strategies to ensure energy efficiency. Energy efficiency is an important component of the overall design process. Consideration is given to how the space will perform as a whole over the long term. Some of the key design and construction considerations include:

- Heating and cooling systems designed with modern energy efficient equipment
- Automated buildings with computer operated heating and cooling systems
- Efficient lighting design, T8, T5 or LED technology
- Increased insulation values that meet or exceed building code standards
- Energy efficient windows and curtain walls
- Modern low flow plumbing fixtures
- Replacing portable classrooms with permanent additions
- Blinds on windows to take advantage of natural lighting
- Variable speed fan motors for fresh air intake
- Sensors to control lighting

Through ongoing operations and maintenance, the Board ensures existing buildings and equipment perform at peak efficiency. Where energy efficient components are in place, they are used and commissioned properly and kept in good repair to ensure peak performance.

The Board will continue to ensure energy efficiency is a key element of the design and construction process. The Board will consider energy upgrades as a component of all school renewal and school condition improvement projects and will identify projects that have an energy component.

Past upgrades with an energy component and potential future upgrades are summarized in the asset portfolio chart found in Appendix B of the Plan.

### ***Occupant Behaviour***

User habits have a significant impact on energy consumption. The Board should ensure occupants understand the impact and the role they play in reducing the overall energy footprint.

Facilities must operate with an emphasis on changing specific behaviours to reduce energy consumption. Building temperature set points should be established to ensure operational efficiency. The Board will further review and consider establishing specific heating and cooling set points aimed at reducing energy consumption.

Facilities with particularly high energy intensity, those in excess of 20 equivalent kilowatt-hours per square foot, should be analyzed to determine if user habits or controllable variables are leading to higher consumption. When that scenario exists, the Board should consider implementing changes to reduce consumption.

### ***Energy Monitoring***

As the five year Plan is implemented, an assessment and review of energy consumption will be required to satisfy the annual Green Energy Act (GEA) reporting requirements. Continued monitoring will allow the Board to identify sites that require attention in efforts to reduce consumption.

Sites with the highest energy usage should be identified as upgrade targets under the categories referenced earlier.

High energy facilities will be identified as those with an energy intensity in excess of 20 equivalent kilowatt-hours per square foot. Efforts will be made to determine why those particular sites have a higher energy intensity. The Board can then outline the appropriate action to reduce consumption at those facilities.

The following table summarizes the boards total energy consumption. Detailed facility consumption is available in Appendix C of the plan.

<i>Energy Type</i>	<i>Fiscal Year 2012</i>	<i>Fiscal Year 2013</i>
<i>Electricity</i>	<i>13,363,101 kWh</i>	<i>11,205,000 kWh</i>
<i>Natural Gas</i>	<i>1,178,945 m<sup>3</sup></i>	<i>1,346,038 m<sup>3</sup></i>
<i>Propane/Fuel Oil</i>	<i>76,028 L</i>	<i>67,286 L</i>
<i>District Heating</i>	<i>1,282 Gigajoules</i>	<i>1,404 Gigajoules</i>
<i>Average Energy Intensity</i>	<i>16.24 ekWh/sf</i>	<i>16.6 ekWh/sf</i>

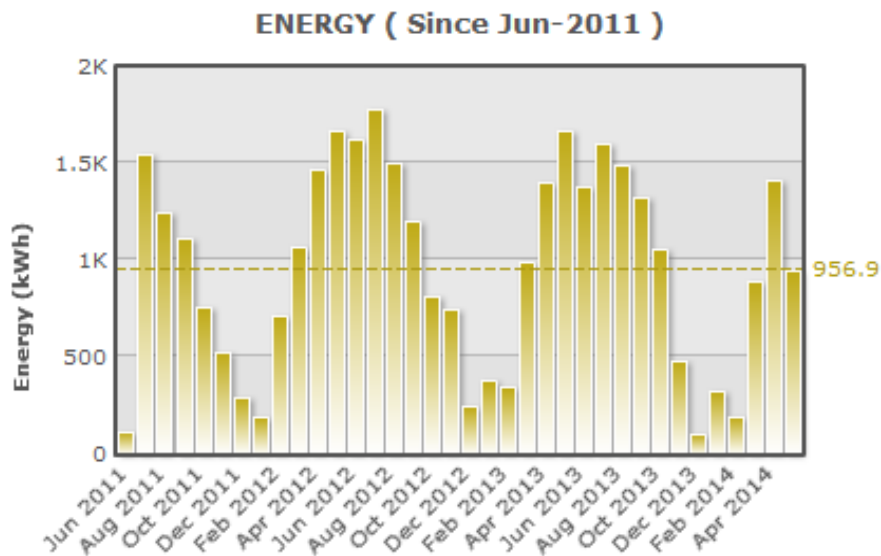
### ***Renewable Energy***

Renewable energy is an important part of the Provinces overall environmental approach. The Board has three solar photovoltaic renewable projects that were constructed in the summer of 2011. Since inception, the combined solar generation at the three sites exceeds 100,000 kilowatt-hours.

Each site has fifty, roof level solar panels capable of producing up to 10 kilowatt-hours of electricity. Instead of powering building components, the solar system returns electricity to the electrical grid through the “Feed In Tariff, FIT program”. The Board is compensated monthly based on rates much higher than current billing rates.

The Board is able to track real time generation online. The board will continue to use this as a source of revenue, a way of reducing the overall carbon footprint and as an educational component for the school community.

The graph below summarizes generation for the solar photovoltaic system at St. John Catholic High School in Perth, Ontario.





### ***Energy Reduction - Completed Projects***

The Board has for many years completed projects with energy consumption in mind. In 2009, the Ministry of Education announced energy efficient schools funding. Under that program, the Board invested over three million dollars aimed specifically at energy reduction.

The Board used this as an opportunity to conduct detailed energy audits at all facilities. The Board will continue to use the audits as part of a long term energy reduction strategy.

The audits facilitate the prioritizing of energy efficient upgrades with the most attractive payback period. The payback is defined as the time required to pay for an upgrade using the energy savings. The target payback period for physical upgrades was in the range of 10 years or less.

Through the energy efficient schools program, the board completed the following upgrades with a targeted payback of less than 10 years:

- Lighting retrofits and lighting upgrades. Older T12 and incandescent fixtures replaced with modern florescent or LED fixtures.
- Instant start florescent gym lighting and new LED exit signs.
- Automated controls for lighting and lighting occupancy sensors in most classrooms.
- Mechanical upgrades including demand ventilation, water heaters, boilers and heat pumps.
- Building automation upgrades.
- Variable speed drives for pumps and fans.

In 2009, the Ministry of Education announced funding for “Energy Efficient Schools”, targeting the replacement of stand-alone portables. The Board received funding to construct permanent additions at St. Michael CHS replacing 22 portables and St. Thomas CHS replacing 12 portables.

These projects featured many energy conscious design solutions. Examples include, increased insulation in the building envelope, efficient lights with occupancy sensors, upgraded building automation systems, low flow plumbing fixtures and large windows to allow harvesting of natural light.

### ***Energy Efficient Incentives***

The Board continues to work closely with the Provinces Energy Incentives Advisor, Robert Smith and local utilities that provide cash incentives for energy related projects.

Since 2009, the Board applied for and received incentives in excess of \$170,000 for projects relating to lighting upgrades, boiler installations, efficient heating and cooling systems, assistance with audits and for energy efficient new construction projects.

The Board received incentives from multiple sources over the past several years and will consider investing in projects where incentives make the payback more attractive.

### ***Environmental Programs***

#### ***EcoSchools***

Keeping the natural environment healthy for future generations depends on everyone's participation. Our schools have a vital role to play in achieving this goal. In order to promote environmental literacy for all students, the Board participates in the provincial EcoSchools program. The main goals of this program are to help schools reduce their energy consumption, minimize their waste, green their school grounds and teach staff and students to become more ecologically literate. Through school participation, students become environmentally responsible citizens and are directly involved with reducing the environmental footprint of schools.

All of the Boards school are actively participating in the EcoSchools program.

#### ***Green Clean***

The Board practices a "Green Clean" strategy for environmentally friendly custodial cleaning. The Board is committed to providing a clean, comfortable learning environment for students that reflects a reduced carbon footprint.

The Board employs a variety of "Green Clean" solutions including:

- Paper towel, toilet tissue, facial tissue and garbage bags made of recycled materials
- Environmentally friendly cleaning products
- Certified green chemicals, and microfiber cloths

- Reduced use of chemicals
- The use of floor materials that do not require ongoing waxing
- Recycling programs at all facilities

Facilities are reviewed regularly to ensure an environmentally friendly approach to cleaning. The Board will continue to work closely with the supplier for the implementation of environmentally friendly products.

### ***Energy Procurement***

The Board has participated in the Catholic School Board Services Association (CSBSA) consortia arrangement to purchase electricity and natural gas since 2004. This allows the Board to leverage buying power and receive more favourable rates along with several other school boards in the province.

### ***Energy Conservation Goal***

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

<b>Fiscal Year</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>Energy Intensity, Average</b>	16.6 (ekWh/sqft)	16.4 (ekWh/sqft)	16.0 (ekWh/sqft)	15.8 (ekWh/sqft)	15.6 (ekWh/sqft)

Energy intensity is a measure of the equivalent kilowatt hours of energy, divided by the square footage and is an average of all Board facilities.

Catholic District School Board of Eastern Ontario  
Energy Conservation and Demand Management Plan

Appendix A – Facility Variables

Catholic District School Board of Eastern Ontario - Facility Variables and Operating Hours

#	School	Year Built and Addition	Portables	% of Space Air Conditioned	School Hours	Before & After Program	Community Use	Total Daily Hours	School Months	Daycare & Summer Program	Community Use	Construction Project	Total Months in Operation
40	Bishop Macdonell (JK-8)	1966	0	100%	8	4		12	10	2			12.0
01	Cornwall Board Office	1988	0	50%	8			8	12				12.0
10	Holy Cross (JK-6)	1960, 1986, 2007	0	100%	8	4	2	14	10	2			12.0
20	Holy Name Of Mary (JK-8)	1998	4	91%	8	4	2	14	10	1			11.0
95	Holy Trinity Secondary(7-12)	2004	5	100%	8		6	14	10		0.5	0.5	11.0
41	Immaculate Conception (JK-6)	1954	2	95%	8			8	10	1.3			11.3
61	Iona Academy (JK-8)	1954	0	100%	8	4	1	13	10		0.5	1.5	12.0
24	J.L. Jordan (JK-6)	1969	6	91%	8	4	1	13	10	1.2			11.2
34	Mother Teresa (JK-6)	1995	6	100%	8	4	1	13	10	2			12.0
75	Notre-Dame High (7-12)	1995	12	97%	8		4	12	10				10.0
42	Our Lady Of Good Counsel (JK-4)	1957	0	100%	8	4		12	10			2	12.0
35	Pope John Paul II (JK-6)	1985	6	87%	8			8	10				10.0
16	Sacred Heart, Cornwall (JK-8)	1946	2	19%	8			8	10			2	12.0
43	Sacred Heart, Lanark (JK-8)	1961, 1985, 2012	4	10%	8	4		12	10				10.0
02	Smiths Falls Board Office	1989	0	100%	8			8	12				12.0
44	St. Andrew's (JK-8)	1959, 2002	6	26%	8	4	2	14	10				10.0
45	St. Anne (JK-8)	1957, 2005, 2012	4	40%	8	4	1	13	10				10.0
47	St. Columban's (JK-8)	1960	0	23%	8	4		12	10				10.0
25	St. Edward (JK-8)	1968	3	79%	8	4	2	14	10	2			12.0
62	St. Finnan's (JK-8)	1952	0	100%	8	4	1	13	10				10.0
17	St. Francis de Sales (JK-8)	1953	0	100%	8	4	2	14	10	2			12.0
26	St. Francis Xavier (JK-6)	1966	0	100%	8	4	1	13	10				10.0
80	St. Francis Xavier High (7-12)	1993	17	100%	8		2	10	10			2	12.0
48	St. George's (5-8)	1957, 1993	3	100%	8			8	10				10.0
37	St. Gregory (JK-6)	2003, 2012	3	87%	8	4	2	14	10	2			12.0
18	St. James (JK-8)	1950, 2012	3	85%	8	4	1	13	10	2			12.0
27	St. John Bosco (JK-6)	1991	4	100%	8	4	2	14	10	2			12.0
76	St. John High (9-12)	1992, 2000	4	100%	8	4	5	17	10	2			12.0
19	St. John Elementary, Perth (JK-8)	1905, 1963	2	40%	8	4	1	13	10			2	12.0
28	St. Joseph, Gananoque (JK-8)	1960, 2004	1	100%	8		3	11	10				10.0
29	St. Joseph, Toledo (JK-8)	2009	0	100%	8		1	9	10	2			12.0
85	St. Joseph's Secondary (9-12)	1967, 1992	8	82%	8		4	12	10				10.0
33	St. Jude (JK-8)	1996, 2002	2	88%	8	4	1	13	10				10.0
89	St. Luke High (7-12)	1961	6	32%	8			8	10				10.0
11	St. Mark (JK-3)	2009	1	100%	8		2	10	10				11.0
57	St. Mary-St. Cecilia (JK-8)	1962, 2003	4	100%	8		1	9	10	0.75	0.25		11.0
21	St. Mary, Carleton Place (JK-6)	1959, 1982	1	87%	8		2	10	10				10.0
56	St. Mary, Chesterville (JK-5)	1960, 1990	0	35%	8		1	9	10			1	11.0
77	St. Mary CHS (7-12)	1954, 1993	4	85%	8		5	13	10		0.25	0.25	10.5
90	St. Matthew Secondary	1954	4	95%	8		1	9	10				10.0
78	St. Michael High (7-12)	1999, 2011	0	100%	8		5	13	10		1	1	12.0
00	Kemptville Board Office	1999	0	100%	8		2	10	12				12.0
36	St. Patrick (JK-6)	1994	2	100%	8	4	1	13	10	2			12.0
51	St. Peter (JK-6)	1963, 1988	4	30%	8	4	2	14	10			2	12.0
82	St. Thomas Aquinas High (7-12)	2004, 2011	4	100%	8		6	14	10				10.0

Catholic District School Board of Eastern Ontario  
Energy Conservation and Demand Management Plan

Appendix B – Asset Portfolio Matrix, Energy Project Summary

#	School	Lighting Upgrade	HVAC Upgrade	BAS	Energy Audit	Temperature Set Points	Envelope/Roofing Upgrade	Eco School Participant	Energy Intensity	Green Clean	Renewable Energy	Low Flow Plumbing
40	Bishop Macdonell (JK-8)	A	B	C	A	C	C	A	A	A	C	B
01	Cornwall Board Office	A	B	B	A	C	B	A	B	A	C	B
10	Holy Cross (JK-6)	A	B	B	A	C	B	A	F	A	C	B
20	Holy Name Of Mary (JK-8)	A	A	A	A	C	A	A	B	A	C	A
95	Holy Trinity Secondary(7-12)	A	A	A	A	C	A	A	B	A	C	A
41	Immaculate Conception (JK-6)	A	B	B	A	C	C	A	A	A	C	C
61	Iona Academy (JK-8)	A	B	C	A	C	C	A	F	A	C	B
24	J.L. Jordan (JK-6)	A	B	B	A	C	C	A	B	A	C	B
34	Mother Teresa (JK-6)	A	A	A	A	C	A	A	A	A	C	A
75	Notre-Dame High (7-12)	A	B	B	A	C	A	A	B	A	C	A
42	Our Lady Of Good Counsel (JK-4)	A	B	C	A	C	B	A	B	A	C	B
35	Pope John Paul II (JK-6)	A	B	B	A	C	B	A	B	A	C	B
16	Sacred Heart, Cornwall (JK-8)	A	B	B	A	C	C	A	B	A	C	C
43	Sacred Heart, Lanark (JK-8)	A	B	C	A	C	C	A	F	A	C	B
02	Smiths Falls Board Office	A	C	C	A	C	C	A	F	A	C	C
44	St. Andrew's (JK-8)	A	B	B	A	C	B	A	A	A	C	B
45	St. Anne (JK-8)	A	B	B	A	C	B	A	C	A	C	B
47	St. Columban's (JK-8)	A	B	C	A	C	C	A	C	A	C	C
25	St. Edward (JK-8)	A	B	C	A	C	C	A	A	A	C	C
62	St. Finnan's (JK-8)	A	C	C	A	C	B	A	F	A	C	B
17	St. Francis de Sales (JK-8)	A	B	B	A	C	B	A	B	A	C	B
26	St. Francis Xavier (JK-6)	A	B	B	A	C	B	A	A	A	C	B
80	St. Francis Xavier High (7-12)	A	A	A	A	C	B	A	C	A	C	B
48	St. George's (5-8)	A	C	C	A	C	B	A	F	A	C	B
37	St. Gregory (JK-6)	A	A	A	A	C	A	A	A	A	C	A
18	St. James (JK-8)	A	B	C	A	C	B	A	F	A	C	B
27	St. John Bosco (JK-6)	A	B	A	A	C	A	A	B	A	C	A
76	St. John High (9-12)	A	B	A	A	C	A	A	B	A	A	A
19	St. John Elementary, Perth (JK-8)	A	B	A	A	C	B	A	A	A	C	B
28	St. Joseph, Gananoque (JK-8)	A	B	A	A	C	A	A	A	A	C	A
29	St. Joseph, Toledo (JK-8)	A	B	A	A	C	A	A	F	A	C	A
85	St. Joseph's CHS (NON OWNED)	A	B	C	A	C	NA	A	N/A	A	C	NA
33	St. Jude (JK-8)	A	A	A	A	C	A	A	A	A	C	A
89	St. Luke High (7-12)	A	B	B	A	C	C	A	A	A	C	C
11	St. Mark (JK-3)	A	A	A	A	C	A	A	A	A	C	A
57	St. Mary-St. Cecilia (JK-8)	A	B	B	A	C	B	A	B	A	C	B
21	St. Mary, Carleton Place (JK-6)	A	A	B	A	C	B	A	A	A	C	B
56	St. Mary, Chesterville (JK-5)	A	A	B	A	C	B	A	A	A	C	B
77	St. Mary CHS (7-12)	A	A	B	A	C	B	A	A	A	C	B
90	St. Matthew Secondary	A	C	C	A	C	C	A	F	A	C	C
78	St. Michael High (7-12)	A	B	B	A	C	A	A	C	A	A	A
00	Kemptville Board Office	A	B	B	A	C	A	A	C	A	A	A
36	St. Patrick (JK-6)	A	A	B	A	C	B	A	A	A	C	B
51	St. Peter (JK-6)	A	A	B	A	C	C	A	A	A	C	C
82	St. Thomas Aquinas High (7-12)	A	A	A	A	C	A	A	B	A	A	A

*A = Upgrade complete, little room for improvement at this point. B = Upgrade complete or partially complete.  
C = Upgrade partially complete with necessary improvements. F = Upgrade required, should be considered for future.*

Catholic District School Board of Eastern Ontario  
Energy Conservation and Demand Management Plan

Appendix C – Energy Consumption Summary

Catholic District School Board of Eastern Ontario - Energy Consumption and Greenhouse Gas Emissions															
September 1, 2012 - August 31, 2013 (fiscal year 2013)															
Operation Name	City	Total Floor Area	Unit	Avg hrs/wk	Number of Portables	Energy Type and Amount Consumed								GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)
						Electricity		Natural Gas		Fuel or Propane		District Heating			
						Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit		
Bishop Macdonell	Cornwall	39,224	Square feet	40	0	151,040	kWh	243	Cubic Meter	0	Litre	924	Giga Joule	69,733	10.46
Cornwall Regional Office	Cornwall	35,822	Square feet	50	0	300,240	kWh	20,905	Cubic Meter	0	Litre	0	Giga Joule	68,359	14.58
Holy Cross	Kemptville	35,450	Square feet	40	0	214,691	kWh	42,900	Cubic Meter	0	Litre	0	Giga Joule	101,727	18.92
Holy Name of Mary	Almonte	38,759	Square feet	40	4	411,654	kWh	15,655	Cubic Meter	0	Litre	0	Giga Joule	69,133	14.91
Holy Trinity CHS	Cornwall	86,841	Square feet	40	5	621,840	kWh	80,285	Cubic Meter	0	Litre	0	Giga Joule	211,511	16.99
Immaculate Conception	Cornwall	28,130	Square feet	40	2	202,680	kWh	5,230	Cubic Meter	0	Litre	0	Giga Joule	29,354	9.18
Iona Academy	Williamstown	25,360	Square feet	40	0	169,570	kWh	-	Cubic Meter	50,477	Litre	0	Giga Joule	154,348	28.14
J. L. Jordan	Brockville	24,237	Square feet	40	6	62,842	kWh	23,534	Cubic Meter	0	Litre	0	Giga Joule	50,530	12.91
Mother Teresa	Russell	55,794	Square feet	40	6	500,450	kWh	36,261	Cubic Meter	0	Litre	0	Giga Joule	116,619	15.88
Notre Dame CHS	Carleton Place	86,019	Square feet	40	12	374,797	kWh	64,261	Cubic Meter	0	Litre	0	Giga Joule	157,489	12.30
Our Lady of Good Counsel	Ingleside	15,274	Square feet	40	0	146,980	kWh	30,640	Cubic Meter	0	Litre	0	Giga Joule	72,045	30.94
Pope John Paul	Hammond	41,824	Square feet	40	6	439,243	kWh	15,219	Cubic Meter	0	Litre	0	Giga Joule	70,958	14.37
Sacred Heart (Cornwall)	Cornwall	29,293	Square feet	40	2	255,040	kWh	21,780	Cubic Meter	0	Litre	0	Giga Joule	65,671	16.61
Sacred Heart (Lanark)	Lanark	18,475	Square feet	40	4	71,628	kWh	-	Cubic Meter	16,809	Litre	0	Giga Joule	52,854	13.68
Smiths Falls Board Office	Smiths Falls	16,000	Square feet	50	0	190,061	kWh	19,796	Cubic Meter	0	Litre	0	Giga Joule	55,681	25.03
St. Andrew	St. Andrews West	36,264	Square feet	40	6	168,155	kWh	32,016	Cubic Meter	0	Litre	0	Giga Joule	76,681	14.02
St. Anne	Cornwall	29,597	Square feet	40	4	196,878	kWh	33,654	Cubic Meter	0	Litre	0	Giga Joule	82,535	18.74
St. Columban's West	Cornwall	26,156	Square feet	40	0	121,840	kWh	40,569	Cubic Meter	0	Litre	480	Giga Joule	116,889	26.24
St. Edward	Westport	14,974	Square feet	40	3	189,291	kWh	-	Cubic Meter	0	Litre	0	Giga Joule	18,180	12.64
St. Finnan	Alexandria	27,685	Square feet	40	0	136,931	kWh	43,111	Cubic Meter	0	Litre	0	Giga Joule	94,658	21.50
St. Francis de Sales	Smiths Falls	30,731	Square feet	40	0	102,818	kWh	25,095	Cubic Meter	0	Litre	0	Giga Joule	57,319	12.02
St. Francis Xavier (Brockville)	Brockville	21,679	Square feet	40	0	171,171	kWh	13,769	Cubic Meter	0	Litre	0	Giga Joule	42,471	14.65
St. Francis Xavier CHS	Hammond	95,465	Square feet	40	17	856,537	kWh	63,825	Cubic Meter	0	Litre	0	Giga Joule	202,932	16.08
St. George	Long Saul	14,963	Square feet	40	3	91,372	kWh	14,849	Cubic Meter	0	Litre	0	Giga Joule	36,849	16.65
St. Gregory	Carleton Place	40,527	Square feet	40	3	154,940	kWh	31,595	Cubic Meter	0	Litre	0	Giga Joule	74,615	12.11
St. James the Greater	Smiths Falls	29,009	Square feet	40	3	79,334	kWh	55,291	Cubic Meter	0	Litre	0	Giga Joule	112,153	22.99
St. John Bosco (Brockville)	Brockville	46,197	Square feet	40	4	367,694	kWh	21,960	Cubic Meter	0	Litre	0	Giga Joule	76,832	13.01
St. John CHS	Perth	102,836	Square feet	40	4	552,647	kWh	72,780	Cubic Meter	0	Litre	0	Giga Joule	190,676	12.90
St. John Elementary	Perth	46,289	Square feet	40	2	135,813	kWh	42,693	Cubic Meter	0	Litre	0	Giga Joule	93,760	12.74
St. Joseph (Gananoque)	Gananoque	35,066	Square feet	40	1	179,997	kWh	28,802	Cubic Meter	0	Litre	0	Giga Joule	71,741	13.86
St. Joseph (Toledo)	Toledo	20,120	Square feet	40	0	151,734	kWh	25,809	Cubic Meter	0	Litre	0	Giga Joule	63,367	21.17
St. Jude	Vankleek Hill	36,254	Square feet	40	2	222,049	kWh	9,710	Cubic Meter	0	Litre	0	Giga Joule	39,684	8.97
St. Luke Elementary & CHS	Smiths Falls	19,179	Square feet	40	6	89,897	kWh	20,765	Cubic Meter	0	Litre	0	Giga Joule	47,892	16.19
St. Mark	Prescott	40,111	Square feet	40	1	255,708	kWh	30,435	Cubic Meter	0	Litre	0	Giga Joule	82,099	14.44
St. Mary - St. Cecilia	Morrisburg	24,163	Square feet	40	4	180,152	kWh	22,119	Cubic Meter	0	Litre	0	Giga Joule	59,121	17.18
St. Mary (Carleton Place)	Carleton Place	27,219	Square feet	40	1	94,875	kWh	19,078	Cubic Meter	0	Litre	0	Giga Joule	45,181	10.93
St. Mary (Chesterville)	Morrisburg	20,914	Square feet	40	0	145,682	kWh	13,914	Cubic Meter	0	Litre	0	Giga Joule	40,297	14.04
St. Mary CHS	Brockville	81,685	Square feet	40	4	243,246	kWh	73,242	Cubic Meter	0	Litre	0	Giga Joule	161,834	12.51
St. Matthew	Cornwall	17,346	Square feet	40	4	169,980	kWh	15,677	Cubic Meter	0	Litre	0	Giga Joule	45,965	19.40
St. Michael CHS	Kemptville	107,912	Square feet	40	0	599,284	kWh	114,818	Cubic Meter	0	Litre	0	Giga Joule	274,633	16.86
Kemptville Board Office	Kemptville	15,623	Square feet	50	0	86,761	kWh	16,623	Cubic Meter	0	Litre	0	Giga Joule	39,760	16.86
St. Patrick	Rockland	42,302	Square feet	40	2	556,560	kWh	-	Cubic Meter	0	Litre	0	Giga Joule	53,452	13.16
St. Peter	Cornwall	27,069	Square feet	40	4	157,380	kWh	20,391	Cubic Meter	0	Litre	0	Giga Joule	53,667	13.82
St. Thomas Aquinas CHS	Russell	95,219	Square feet	40	4	633,570	kWh	66,739	Cubic Meter	0	Litre	0	Giga Joule	187,027	14.10

Note: Many electricity accounts experienced abnormal readings over the past 18 months and quantities may not be accurate.