

Cornerstone Hydro Electric Concepts Association Inc.

CHEC-RP-2004-0203/EB-2004-0502

Conservation and Demand Management 2008 Annual Report

1.0 Introduction:

This 2008 Annual Report summarizes the activity and successes of the Cornerstone Hydro Electric Concepts (CHEC) Group with respect to conservation and demand management initiative undertaken as part of the third tranche funding. Included in this document are the sixteen (16) individual reports from the Local Distribution Companies (LDCs) that formed the CHEC Group.

Consistent with CHEC members' cooperative effort to seek approval of their CDM plans as a combined group, the Annual Report reflects their commitment to work together to provide cost effective programs and to share and learn from each other's experience. At the end of 2007 seven LDCs had exhausted their third tranche funding and continued to support the conservation effort by participating in the OPA programs. The remaining nine LDCs delivered third tranche funded projects in 2008.

The individual reports for the LDCs that delivered third tranche funding in 2008 provides to the reader a better understanding of the activity of each utility while this summary report provides an overview of the impact of the combined effort.

The additional Appendix D requested from the Ontario Energy Board (OEB) required each LDC, including those which completed their programs in previous years, to file a report. To ensure that the 2008 report reflects the full programs the reports for all LDCs contain the minimum of the following documents:

- Appendix A provided for 2008 or last year of plan delivery if completed prior to 2008
- Appendix C which lists the names of programs delivered over the life of the plan
- Appendix D the summary of all years of the plan and which breaks out "Low Income"
- Appendix B for each project – where a project was completed in prior years the Appendix has been reduced to control the number of pages.

Within the 9 LDCs with fund remaining for 2008, there were a total of 25 initiatives worked on in 2008. This volume of programs in 2008 reflects the completion of the plan by many of the LDCs and the reduced amount of funds for investment in the year.

On the population of 25 initiatives, 20% had a positive TRC. Initiatives continued to focus on education, studies to prepare customers for continued energy conservation and of course continuation of the partnerships that were started in the first years of the CDM program.

In 2008 the LDCs continued to be actively engaged in the Ontario Power Authority (OPA) funded programs for conservation and demand management. The availability of these funds and programs allowed the LDCs to continue to provide programs supporting development of the conservation culture.

This combined report, in addition to meeting the regulatory requirement, provides a comprehensive summary to CHEC members of the impact of their combined effort.

2.0 Participating Members:

The 2008 Annual Report on Conservation and Demand Management Activities of the following utilities are included in this report:

Centre Wellington Hydro Ltd.	COLLUS Power Corp
Grand Valley Energy Inc.	Innisfil Hydro
Lakefront Utilities Inc.	Lakeland Power Distribution
Midland Power Utility Corp.	Orangeville Hydro Ltd
Orillia Power Distribution Corp.	Parry Sound Power
Rideau St. Lawrence	Wasaga Distribution Inc.
Wellington North Power Inc.	West Coast Huron Energy Inc.
Westario Power	Woodstock Hydro Services

Where a LDC had completed the program in previous years their statistics are restated to maintain the completeness of the report.

3.0 Evaluation of the CDM Plan:

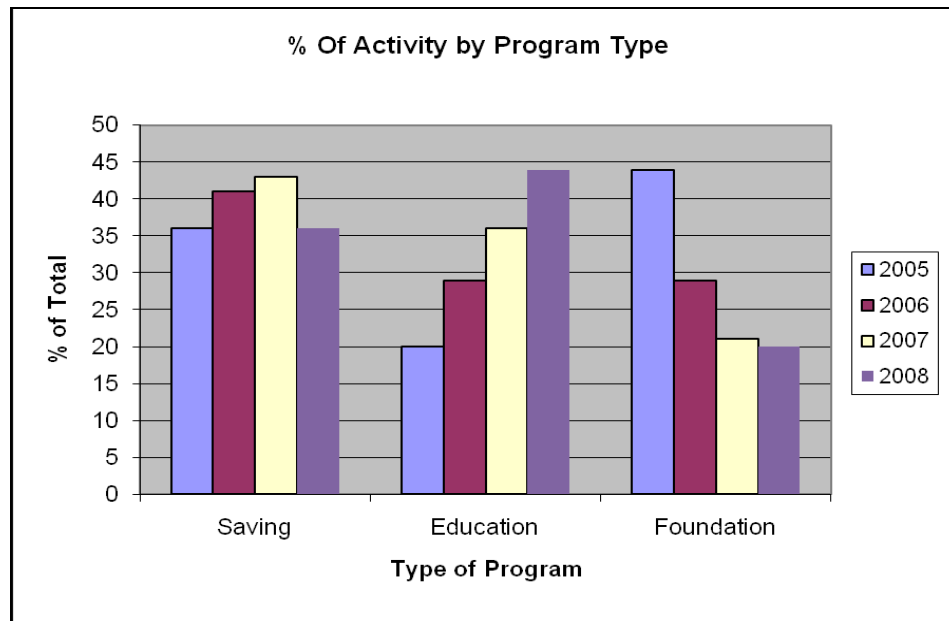
2008 Portfolio: The 9 LDCs with third tranche funding remaining collectively undertook a total of 25 initiatives in 2008. These programs fell within three categories:

- Savings: Delivery of energy saving products or processes: coupons, rebates, free products, etc.
- Education: Providing general energy management information through such activities as: website development, workshops, brochures, school programs, etc,
- Foundation: Preparatory work for future programs that include: program research and development, energy audits, system studies, demonstration projects, partnerships, etc. In many instances the continuation of these programs were based on directions set in the first two years.

The 2008 initiatives represent a total combined “Utility Cost” of \$305,200 representing the majority of the third tranche funds that remained.

Figure 1 illustrates program makeup from 2005 to 2008. Over the three year period there was strong support for education programs and for saving programs. In many instances programs were delivered with a dual focus allowing savings to be achieved while providing education at the same time. The Foundation programs were highest early in the programs as studies were initiated and completed that helped set the base for future programs and customer activity.

Figure 1



Savings Programs:

Again in 2008 savings programs continued to focus on local partnerships and delivery channels. The programs continued to partner with community agencies such as social housing, school boards and community based environmental networks. The use of product incentives, delivered through partner agencies or directly to customers, was utilized to provide measures to targeted populations. With these products often educational material was also provided increasing the conservation awareness and knowledge.

Education Programs: The CHEC LDC’s continued their support of the education portfolio and the School Boards in their service territories. A couple of programs focused directly on the school sector with programs delivered in 100% of the schools in the service territories. All member LDCs remain responsive to conservation information & support requests from area schools.

Foundation Program: As would be expected, in 2008 the numbers of “foundation” programs were on a decline. The 2008 “foundation” programs contained audit support for customers, provision of interval meter and data to provide specific information to the customer for savings and the completion of system optimization studies. While in many instances implementation has not occurred it is anticipated that the information and audits provided will encourage participation in programs such as ERIP.

Net TRC Results: The net TRC result of the programs delivered by the nine LDCs in 2008 is -\$120,800. The overall negative in 2008 TRC reflects a number of audit completions as well as continued support to education projects over the course of the year. With the framework of the 2008 programs a total of 2,642,800 kWh (lifecycle) have been saved and the education and audit work will assist with program and technology implementation moving forward.

4.0 Discussion of Programs:

The individual program discussions from each utility are included in the following sections of this report. These discussions provide the individual utility perspective on the programs as offered in their service territory. As noted previously the report for LDCs that had completed their programs prior to 2008 are included to ensure the completeness of the combined CHEC CDM Report.

Low Income Projects:

For the 2008 report the OEB requested that programs with impact on low income customers be identified and the statistics broken out. The combined effort of the member LDCs resulted in an expenditure of \$146,800 on programs that provided specific benefits to low income with over 7,800 measures/contacts made within the term of the programs.

The low income expenditures, kWh saving and measures/contacts reported do not include impacts from coupon or general support programs. For example school based programs delivered to the general population provided benefits to a sector of low income however, these contacts were not accounted for in the low income reporting. It is anticipated that the benefits provided to this sector are greater than reported.

5.0 Lessons Learned Over the Duration of the CDM Plan:

Partnerships and Sharing: LDCs have developed a number of partners within and outside of their communities to assist with the delivery of conservation programs. The ability to engage third party partners or contractors have been instrumental in the delivery of programs while controlling in-house resources.

The delivery channels created with the third tranche funding and the LDC support systems established have facilitated the successful continuation of LDCs in the delivery of CDM programs. These channels have continued to be important in the delivery and support of OPA programs which provide opportunities for our customers to conserve and for LDCs to reinforce the conservation culture.

CHEC members continue to share information between members and also with other LDCs. The hiring of a staff position by CHEC (in 2009) to continue to facilitate the combined effort of member LDCs is consistent with the success achieved during the third tranche programs.

Availability of Funds: The availability of funds at the local level to support conservation initiatives increased the penetration of projects in the service territories. On-going funding at the local level (through custom programs or community initiative funds) to ensure the continuation of the current momentum should prove beneficial to the conservation movement and the conservation culture that has developed.

The importance of multi-year financing cannot be understated when planning the development and delivery of programs. The third tranche funding allowed LDCs to maintain programs and activity over multiple years, reinforcing the conservation message and developing delivery channels. Moving forward the continued support of the government to provide stable financing and systematic and cost effective approvals will be important to effective program delivery.

TRC: The use of TRC is incorporated into the OPA program structure and provides a benchmark for project design. While TRC is one useful tool, the use of TRC does not adequately evaluate the benefits and impacts of general support and education programs. Without a delivered measure the impact of these programs is not determined in any manner. While education and general conservation information assists with the results of other programs it is unfortunate that there is not a defined value assigned to customer contact and engagement within the scope of program evaluation.

The further development and understanding of TRC and workshop support for LDCs, if there continues to be an expectation for design of programs, will be important. The manner in which associated costs, measure benefits and third

party costs are accounted for will be important in ensuring appropriate program design and evaluation.

Third Tranche and OPA Programs: Third tranche served as a precursor to the OPA programs and the existing model for conservation and demand management program delivery. While many of the third tranche programs were designed at the local level, the industry has benefited from provincially based programs designed by the OPA and delivered locally. A portfolio of both provincial and local programs provides cost effective design and per unit cost for large scale programs while providing local control and local programming for specific needs.

The Third Tranche funding was provided from the LDC rate adjustment and reinvested into the conservation portfolio. This funding, while raised locally and invested locally, was primarily aimed at providing a benefit to the entire electricity grid. While this benefit is shared by all, the costing model moving forward should more closely focus on providing the funding on a global perspective to better reflect the system nature of the benefit.

Customer Readiness: The residential customers have been responsive to programs over the delivery period. The awareness to energy conservation, due to the third tranche programs and other societal pressures has certainly increased over the last three to four years. The ability for LDCs to provide programs over the past four years has certainly assisted with this transition

The industrial and commercial customers continue to be difficult to engage. The resources within the company to focus on conservation initiatives have been lacking over the delivery period. Large and small companies all appear to be impacted by the lack of internal resources as well as the downturn in the economy. Programs aimed at providing resource assistance could improve the implementation of programs in this sector or the development of programs and program evaluations that are “turn key” in nature. It is realized however, by all involved conservation projects, that it takes commitment and time by the customer to implement. Helping the customer manage this time commitment may increase the engagement of this sector in the programs.

Utility Resources: Utility resources were challenged to meet the combined requirements of third tranche and OPA programs. In many instances the LDCs contracted incremental internal resources or hired external consultants to assist with program management and delivery. Moving forward, depending on the legislative direction set for conservation, the ability of LDCs to develop and maintain reliable resources (both internal and external) will be critical in the on-going delivery of CDM. To best position these resources, the mechanism for

continued LDC funding and cost effective approvals and reporting will be required.

6.0 Conclusion:

With this report the delivery of programs with third tranche funding has been completed pending some minor (committed) expenditure of remaining funds.

The third tranche funding allowed for local initiatives that provided kWh savings and education opportunities aimed at preparing customers for future initiatives. These programs, the resources and knowledge developed and the general awareness of the “conservation culture” will continue to benefit the delivery of CDM programs moving forward.

7.0 Appendices:

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Individual Utility CDM 2008 Annual Report RP-2004-0203/EB-2004-0502

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LakelandPower

200 – 395 Centre St N, Huntsville, ON P1H 2M2

Phone (705) 789-5442 Toll Free 1-888-282-7711

Fax (705) 789-3110 service@lakelandpower.on.ca

March 31, 2009

Lakeland Power Distribution Ltd. – Executive Summary Implementation of CDM Programs

Lakeland Power Distribution Ltd. invested its ‘third tranche’ funds to develop and implement CDM programs in conjunction with the Minister of Energy’s energy conservation goals. Lakeland Power Distribution Ltd. focused its attention on the below noted programs. All programs were substantially completed by the end of 2006.

Programs:

1. Customer Survey – a telephone survey was implemented in the second quarter of 2006 to assess the impact of our customer education program as well as any giveaway programs.
2. Conservation Website – we are in the process of implementing a conservation website in association with the CHEC group. This website will give us an opportunity to educate, inform, advertise, and reach out to energy consumers. The website was implemented in the last quarter of 2006.
3. Education and Promotion – in the fall of 2005, Lakeland Power distributed a conservation brochure, Switch-To-Cold \$1 off coupon, and coupons for energy saving items available at Canadian Tire. This package was hand delivered to each of Lakeland Power’s customers as well as being available at our payment desk for walk-in customers. The conservation brochure was redistributed in the spring of 2006. In addition, in the Spring of 2008, a presentation was made to 200 public school students across the service territory, educating them in power conservation.
4. System Optimization – in 2005, Lakeland Power Distribution Ltd. undertook a capital project to improve line losses in Bracebridge, Ontario. Without the availability of these funds, we would have been unable to implement the full project and realize the savings in line loss. Embedded electricity production from Bracebridge Generation was being transmitted by direct current to a station in Bracebridge. With Barcebridge Generation’s new waterpower generation expansion, Lakeland Power used the CDM funds to implement a distribution system that converts the direct current of 6900 volts and 4160 volts from the other two generation plants, to 27.6 kV. In the past, the direct current was transmitted to a station and then converted to a distribution voltage and sent back to consumers close to the generation plants. Therefore, the system optimization reduced the number of distribution lines, different voltages and line losses. It is expected that the benefit will be a 2% line loss reduction to over 2,000 consumers.

5. Spring and Fall Every Kilowatt Counts Program – in 2006, Lakeland Power Distribution Ltd. participated in the OPA programs that delivered cost savings coupons for energy efficient products such as timers and LED Christmas Lights. These programs were very well received in our service territory, particularly the LED Christmas Lights rebate and CFL rebate.
6. Energy Audit – Fall 2008, the Town of Bracebridge required support to complete a comprehensive facility energy audit. To support long term energy savings a contribution was made to assist with the overall costs. Audit completed and applications on-going for funding to change HVAC system at Town Hall to gain savings. Town actively seeking funding to undertake recommendations of the study.

Lakeland Power Distribution Ltd has less than \$2 K remaining in its balance of MARR funds and will be using this for brochure/education material distribution to its customers receiving Smart Meters through the summer of 2009.

Discussion of the Programs, Lessons Learned, Conclusion:

The majority of the CDM funds available to Lakeland Power Distribution Ltd under MARR, were used to perform system optimization in order to improve line losses. This program was completed in 2006 and the results from the annual statistics on line losses are showing that there has been a general trend towards improvement.

The balance of the programs predominantly centred around education. Over the past two years of statistics, the general consumption trends in both Residential class and GS<50 kW class of customers had been a reduction, most evident in the first year of the program then holding steady from there.

Although Lakeland Power Distribution Ltd is supportive of CDM programs, it was unable to participate to any extent in the OPA programs due to lack of staff resources to track statistics and assist with getting the programs started, even with financial assistance from OPA. Regulatory requirements on staff consumed most resources as well as the implementation of Smart Meters thus we opted not to participate in the OPA programs.

Effective March 31, 2009, Lakeland Power Distribution Ltd has registered with the OPA and with outside assistance, will now be participating in programs relevant to our area and our customers.

Respectively submitted,

Chris Litschko
President & CEO
LAKELAND HOLDING

Appendix D - Total Life Evaluation of the CDM Plan

Table is to be completed manually by totalling the information from each year of activity

	⁵ Cumulative Totals Life-to-date	Residential	⁶ Low Income	Commercial	Institutional	Industrial	Agricultural	LDC System	⁴ Smart Meters	Other #1	Other #2
<i>Net TRC value (\$):</i>	\$ 692,761	\$ 634,948		\$	-\$ 10,500	\$	\$	\$		\$ 108,006	-\$ 39,693
<i>Benefit to cost ratio:</i>	4.47	10.30			0.00					2.09	0.00
<i>Number of participants or units delivered:</i>	20,291	20,287			1					1	2
<i>Lifecycle (kWh) Savings:</i>	18,562,357	13,666,357			-					4,896,000	-
<i>Total kWh saved (kWh):</i>	1,962,497	1,717,697			-					244,800	-
<i>Total peak demand saved (kW):</i>	331	304			0					28	0
<i>Total kWh saved as a percentage of total kWh delivered (%):</i>	0.29%										
<i>Peak kW saved as a percentage of LDC peak kW load (%):</i>											
¹ <i>Gross C&DM expenditures (\$):</i>	\$ 170,158	\$ 25,965		\$	\$ 10,500	\$	\$	\$	\$	\$ 94,000	\$ 39,693
² <i>Expenditures per kWh saved (\$/kWh):</i>	\$ 0.0092	\$ 0.0019	\$	\$	\$	\$	\$	\$	\$	\$ 0.0192	0.0000
³ <i>Expenditures per kW saved (\$/kW):</i>											
<i>Utility discount rate (%):</i>											

¹ Expenditures are reported on cumulative basis.

² Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate energy savings.

³ Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate capacity savings.

⁴ Please report spending related to 3rd tranche of MARR funding only. TRC calculations are not required for Smart Meters. Actual expenditures for the total third tranche period need to be reported.

⁵ Includes total for the reporting year, plus prior years, if any (for example, 2008 CDM Annual report for third tranche will include 2007, 2006, 2005 and 2004 numbers, if any).

⁶ Includes totals from Low Income programs that fall under both commercial and residential.

Appendix A - Evaluation of the CDM Plan

Highlighted boxes are to be completed manually, white boxes are linked to Appendix C and will be brought forward automatically.

	Total for 2008	Residential	⁵ Low Income	Commercial	Institutional	Industrial	Agricultural	LDC System	⁴ Smart Meters	Other #1	Other #2
Net TRC value (\$):	-\$ 14,575	\$ (4,075)		\$ -	\$ (10,500)	\$ -	\$ -	\$ -		\$ -	\$ -
Benefit to cost ratio:	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00
Number of participants or units delivered:											
Lifecycle (kWh) Savings:	0	0		0	0	0	0	0		0	0
Report Year Total kWh saved (kWh):	0	0		0	0	0	0	0		0	0
Total peak demand saved (kW):	0	0		0	0	0	0	0		0	0
Total kWh saved as a percentage of total kWh delivered (%):											
Peak kW saved as a percentage of LDC peak kW load (%):											
¹ Report Year Gross C&DM expenditures (\$):	\$ 14,575	\$ 4,075		\$ -	\$ 10,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
² Expenditures per kWh saved (\$/kWh):	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
³ Expenditures per kW saved (\$/kW):	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
Utility discount rate (%):											
	6.69										

¹ Expenditures are reported on accrual basis.
² Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate energy savings.
³ Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate capacity savings.
⁴ Please report spending related to 3rd tranche of MARR funding only. TRC calculations are not required for Smart Meters. Only actual expenditures for the year need to be reported.

Appendix C - Program and Portfolio Totals

Report Year: 2007

1. Residential Programs

List each Appendix B in the cells below; Insert additional rows as required.

Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
School Education Program	\$ -	\$ 4,075	-\$ 4,075	0.00	0	0	0	\$ 4,075
Spring Every Kilowatt Counts (EKC) Program			\$ -	0.00				
Fall Every Kilowatt Counts (EKC) Program			\$ -	0.00				
Name of Program D			\$ -	0.00				
Name of Program E			\$ -	0.00				
Name of Program F			\$ -	0.00				
Name of Program G			\$ -	0.00				
Name of Program H			\$ -	0.00				
Name of Program I			\$ -	0.00				
Name of Program J			\$ -	0.00				
*Totals App. B - Residential	\$ -	\$ 4,075	-\$ 4,075	0.00	0	0	0	\$ 4,075
Residential Indirect Costs not attributable to any specific program	→							
Total Residential TRC Costs		\$ 4,075						
**Totals TRC - Residential	\$ -	\$ 4,075	-\$ 4,075	0.00				

2. Commercial Programs

List each Appendix B in the cells below; Insert additional rows as required.

Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
Name of Program A			\$ -	0.00				
Name of Program B			\$ -	0.00				
Name of Program C			\$ -	0.00				
Name of Program D			\$ -	0.00				
Name of Program E			\$ -	0.00				
Name of Program F			\$ -	0.00				
Name of Program G			\$ -	0.00				
Name of Program H			\$ -	0.00				
Name of Program I			\$ -	0.00				
Name of Program J			\$ -	0.00				
*Totals App. B - Commercial	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -

Commercial Indirect Costs not attributable to any specific program



Total TRC Costs		\$	-			
**Totals TRC - Commercial	\$	-	\$	-	\$	0.00

3. Institutional Programs

List each Appendix B in the cells below; Insert additional rows as required.

Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
Energy Audit Program	\$ -	\$ 10,500	-\$ 10,500	0.00	0	0	0	\$ 10,500
Name of Program B			\$ -	0.00				
Name of Program C			\$ -	0.00				
Name of Program D			\$ -	0.00				
Name of Program E			\$ -	0.00				
Name of Program C			\$ -	0.00				
Name of Program G			\$ -	0.00				
Name of Program H			\$ -	0.00				
Name of Program I			\$ -	0.00				
Name of Program J			\$ -	0.00				
*Totals App. B - Institutional	\$ -	\$ 10,500	-\$ 10,500	0.00	0	0	0	\$ 10,500

Institutional Indirect Costs not attributable to any specific program



Total TRC Costs		\$	10,500			
**Totals TRC - Institutional	\$	-	\$	10,500	\$	0.00

4. Industrial Programs

List each Appendix B in the cells below; Insert additional rows as required.

Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
Name of Program A			\$ -	0.00				
Name of Program C			\$ -	0.00				
Name of Program C			\$ -	0.00				
Name of Program D			\$ -	0.00				
Name of Program E			\$ -	0.00				
Name of Program F			\$ -	0.00				
Name of Program G			\$ -	0.00				
Name of Program H			\$ -	0.00				
Name of Program I			\$ -	0.00				

Name of Program J			\$ -	0.00				
*Totals App. B - Industrial	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
<i>Industrial Indirect Costs not attributable to any specific program</i>	→							
Total TRC Costs		\$ -						
**Totals TRC - Industrial	\$ -	\$ -	\$ -	0.00				

5. Agricultural Programs

List each Appendix B in the cells below; Insert additional rows as required.

Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

Name of Program	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
	Name of Program A			\$ -	0.00			
Name of Program C			\$ -	0.00				
Name of Program C			\$ -	0.00				
Name of Program D			\$ -	0.00				
Name of Program E			\$ -	0.00				
Name of Program F			\$ -	0.00				
Name of Program G			\$ -	0.00				
Name of Program H			\$ -	0.00				
Name of Program I			\$ -	0.00				
Name of Program J			\$ -	0.00				
*Totals App. B - Agricultural	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
<i>Agricultural Indirect Costs not attributable to any specific program</i>	→							
Total TRC Costs		\$ -						
**Totals TRC - Agricultural	\$ -	\$ -	\$ -	0.00				

6. LDC System Programs

List each Appendix B in the cells below; Insert additional rows as required.

Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

Name of Program	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
	Name of Program A			\$ -	0.00			
Name of Program B			\$ -	0.00				

Name of Program C			\$	-	0.00				
Name of Program D			\$	-	0.00				
Name of Program E			\$	-	0.00				
Name of Program F			\$	-	0.00				
Name of Program G			\$	-	0.00				
Name of Program H			\$	-	0.00				
Name of Program I			\$	-	0.00				
Name of Program C			\$	-	0.00				
*Totals App. B - LDC System	\$	-	\$	-	0.00	0	0	0	\$ -
<i>LDC System Indirect Costs not attributable to any specific program</i>	→								
Total TRC Costs		\$	-						
**Totals TRC - LDC System	\$	-	\$	-	0.00				

7. Smart Meters Program

Only spending information that was authorized under the 3rd tranche of MARR is required to be reported for Smart Meters.

Report Year Gross C&DM Expenditures (\$) →

8. Other #1 Programs

List each Appendix B in the cells below; Insert additional rows as required.

Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
<i>System Optimization - Line Loss Improvement</i>			\$ -	0.00				
Name of Program B			\$ -	0.00				
Name of Program C			\$ -	0.00				
Name of Program D			\$ -	0.00				
Name of Program E			\$ -	0.00				
Name of Program F			\$ -	0.00				
Name of Program G			\$ -	0.00				
Name of Program H			\$ -	0.00				
Name of Program I			\$ -	0.00				
Name of Program J			\$ -	0.00				
*Totals App. B - Other #1	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
<i>Other #1 Indirect Costs not attributable to any specific program</i>	→							
Total TRC Costs		\$ -						
**Totals TRC - Other #1	\$ -	\$ -	\$ -	0.00				

9. Other #2 Programs

List each Appendix B in the cells below; Insert additional rows as required.

Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
<i>Education and Promotion</i>			\$ -	0.00				
<i>Name of Program B</i>			\$ -	0.00				
<i>Name of Program C</i>			\$ -	0.00				
<i>Name of Program D</i>			\$ -	0.00				
<i>Name of Program E</i>			\$ -	0.00				
<i>Name of Program C</i>			\$ -	0.00				
<i>Name of Program G</i>			\$ -	0.00				
<i>Name of Program H</i>			\$ -	0.00				
<i>Name of Program I</i>			\$ -	0.00				
<i>Name of Program J</i>			\$ -	0.00				
*Totals App. B - Other #2	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
<i>Other #2 Indirect Costs not attributable to any specific program</i>	→							
Total TRC Costs		\$ -						
**Totals TRC - Other #2	\$ -	\$ -	\$ -	0.00				

LDC's CDM PORTFOLIO TOTALS

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
*TOTALS FOR ALL APPENDIX B	\$ -	\$ 14,575	-\$ 14,575	0.00	\$ -	\$ -	\$ -	\$ 14,575
<i>Any other Indirect Costs not attributable to any specific program</i>	→							
TOTAL ALL LDC COSTS		\$ 14,575						
**LDC' PORTFOLIO TRC	\$ -	\$ 14,575	-\$ 14,575	0.00				

* The savings and spending information from this row is to be carried forward to Appendix A.

** The TRC information from this row is to be carried forward to Appendix A.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** School Education Program

Description of the program (including intent, design, delivery, partnerships and evaluation):

Provided conservation education sessions to 7 public schools. Approximately 200 students participated in the sessions. Outside contractor utilized to deliver program.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:			
Efficient technology:			
Number of participants or units delivered for reporting year:	200		
Measure life (years):			
Number of Participants or units delivered life to date	200		

B. **TRC Results:**

	Reporting Year	TRC Results:
¹ TRC Benefits (\$):	\$ -	
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ 4,075.00	
Incremental Measure Costs (Equipment Costs)		
Total TRC costs:	\$ 4,075.00	
Net TRC (in year CDN \$):	\$ 4,075.00	
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	\$ -	

C. **Results:** (one or more category may apply)

Cumulative Results:

Conservation Programs:

	Summer	Winter	
	lifecycle		in year
Demand savings (kW):			
Energy saved (kWh):			
Other resources saved :			
Natural Gas (m3):			
Other (specify):			

Demand Management Programs:

Controlled load (kW)		
Energy shifted On-peak to Mid-peak (kWh):		
Energy shifted On-peak to Off-peak (kWh):		
Energy shifted Mid-peak to Off-peak (kWh):		

Demand Response Programs:

Dispatchable load (kW):		
Peak hours dispatched in year (hours):		

Power Factor Correction Programs:

Amount of KVar installed (KVar):		
Distribution system power factor at beginning of year (%):		
Distribution system power factor at end of year (%):		

Line Loss Reduction Programs:

Peak load savings (kW):			
	<i>lifecycle</i>	<i>in year</i>	
Energy savings (kWh):			

Distributed Generation and Load Displacement Programs:

Amount of DG installed (kW):		
Energy generated (kWh):		
Peak energy generated (kWh):		
Fuel type:		

Other Programs (specify):

Metric (specify):		
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<u>D. Actual Program Costs:</u>		<u>Reporting Year</u>	<u>Cumulative Life to Date</u>
Utility direct costs (\$):	Incremental capital:		
	Incremental O&M:	\$ 4,075.00	\$ 4,075.00
	Incentive:		
	Total:	\$ 4,075.00	\$ 4,075.00
Utility indirect costs (\$):	Incremental capital:		
	Incremental O&M:		
	Total:		

E. Assumptions & Comments:

¹ Benefits should be estimated if costs have been incurred and the technology has been deployed. Benefits reflect the present value of the measure for the number of units deployed in the year, i.e. the number of units times the net present value per unit benefit specified in the TRC Guide.

² For technologies which have not been deployed but for which the LDC has incurred costs, report only the TRC costs on a present value basis. Incentives (e.g. rebates) from the LDC to a customer are not a component of the TRC costs. However, payments made to a third party service provider to run an incentives program are program costs, and are to be included as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Energy Audit Support

Description of the program (including intent, design, delivery, partnerships and evaluation):

Town of Bracebridge required support to complete a comprehensive facility energy audit. To support long term energy savings a contribution was made to assist with the overall costs. Audit completed and applications on-going for funding to change HVAC system at Town Hall to gain savings. Town actively seeking funding to undertake recommendations of the study.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	0		
Efficient technology:	0		
Number of participants or units delivered for reporting year:	1		
Measure life (years):			
Number of Participants or units delivered life to date			

B. **TRC Results:**

	Reporting Year	TRC Results:
¹ TRC Benefits (\$):		
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ 10,500.00	
Incremental Measure Costs (Equipment Costs)		
Total TRC costs:	\$ 10,500.00	
Net TRC (in year CDN \$):	-\$ 10,500.00	
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	\$ -	

C. **Results:** (one or more category may apply)

Cumulative Results:

Conservation Programs:

	Summer	Winter	
	lifecycle		in year
Demand savings (kW):			
Energy saved (kWh):			
Other resources saved :			
Natural Gas (m3):			
Other (specify):			

Demand Management Programs:

Controlled load (kW)		
Energy shifted On-peak to Mid-peak (kWh):		
Energy shifted On-peak to Off-peak (kWh):		
Energy shifted Mid-peak to Off-peak (kWh):		

Demand Response Programs:

Dispatchable load (kW):		
Peak hours dispatched in year (hours):		

Power Factor Correction Programs:

Amount of KVar installed (KVar):		
Distribution system power factor at beginning of year (%):		
Distribution system power factor at end of year (%):		

Line Loss Reduction Programs:

Peak load savings (kW):			
	<i>lifecycle</i>	<i>in year</i>	
Energy savings (kWh):			

Distributed Generation and Load Displacement Programs:

Amount of DG installed (kW):		
Energy generated (kWh):		
Peak energy generated (kWh):		
Fuel type:		

Other Programs (specify):

Metric (specify):		
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<u>D. Actual Program Costs:</u>		<u>Reporting Year</u>	<u>Cumulative Life to Date</u>
Utility direct costs (\$):	Incremental capital:		
	Incremental O&M:	\$ 10,500.00	
	Incentive:		
	Total:	\$ 10,500.00	
Utility indirect costs (\$):	Incremental capital:		
	Incremental O&M:		
	Total:		

E. Assumptions & Comments:

¹ Benefits should be estimated if costs have been incurred and the technology has been deployed. Benefits reflect the present value of the measure for the number of units deployed in the year, i.e. the number of units times the net present value per unit benefit specified in the TRC Guide.

² For technologies which have not been deployed but for which the LDC has incurred costs, report only the TRC costs on a present value basis. Incentives (e.g. rebates) from the LDC to a customer are not a component of the TRC costs. However, payments made to a third party service provider to run an incentives program are program costs, and are to be included as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Spring Every Kilowatt Counts (EKC) Program

Description of the program (including intent, design, delivery, partnerships and evaluation):

In partnership with the OPA provided customer incentives for energy efficient technologies. Involved both direct mail and in-store promotion along with local advertising and support.

Measure(s):

	Measure 1	Measure 2	Measure 3	Measure 4	Measure 5
Base case technology:	60 W incandescent	No fan	No timer	Standard thermostats	Christmas Lights
Efficient technology:	CFLs	Ceiling Fan	Timers	Progr. Thermostats	LED Christmas Lights
Number of participants or units delivered:	0.00	0.00	0.00	0.00	0.00
Measure life (years):	4.00	20.00	20.00	18.00	30.00
Number of participants or units 05/06	5900	44	221	151	328
Number of Participants or units delivered life-to-date	5,900.00	44.00	221.00	151.00	328.00

B. TRC Results:	Reporting Year	2005/2006 TRC Results		Life-to-date TRC Results:
TRC Benefits (\$):	\$ -	\$ 225,065.74	\$ 225,065.74	
Measure's Costs (\$):				
Utility program cost (less incentives):	\$ -	\$ 2,058.00	\$ 2,058.00	
Incremental Measure Costs (Equipment Costs)	\$ -	\$ 25,939.00	\$ 25,939.00	
Total TRC costs:	\$ -	\$ 27,997.00	\$ 27,997.00	
Net TRC (in year CDN \$):	\$0.00	\$ 197,068.74	\$ 197,068.74	
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	8.62	8.62	

C. Results: (one or more category may apply)			Cumulative Results:	
Conservation Programs:				
Demand savings (kW):	Summer	0.00	Report Winter Demand (kW)	
	Winter	0.00	0.00	
Energy saved (kWh):	lifecycle	in year	Cumulative Lifecycle	Cumulative Annual Savings
	0.00	0.00	4090824.18	646505.222
			2005/2006 Lifecycle	2005/2006 Annual
			4090824.18	646505.22
Other resources saved :				
Natural Gas (m3):	0	0		
Water (l)	0	0		

D. Program Costs*:		2005/2006 Costs	Cumulative Life to Date
Utility direct costs (\$):	Incremental capital:	\$ -	\$ -
	Incremental O&M:	\$ 2,058.00	\$ 2,058.00
	Incentive:	\$ 19,832.00	\$ 19,832.00
	Total:	\$ 21,890.00	\$ 21,890.00
Utility indirect costs (\$):	Incremental capital:	\$ -	\$ -
	Incremental O&M:	\$ -	\$ -
	Total:	\$ -	\$ -
Total Utility Cost of Program		\$ 21,890.00	\$ 21,890.00

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Fall Every Kilowatt Counts (EKC) Program

Description of the program (including intent, design, delivery, partnerships and evaluation):

In partnership with the OPA provided customer incentives for energy efficient technologies. Involved both direct mail and in-store promotion along with local advertising and support.

Measure(s):

	Measure 1	Measure 2	Measure 3	Measure 4	Measure 5	Measure 6	Measure 7
<i>Base case technology:</i>	60 W incandescent	5 w Christmas lights	Incandescent Mini Lights	No dimmer	Standard Thermostat	Standard Thermostat Baseboard	3 100 w bulbs
<i>Efficient technology:</i>	CFL	LED Christmas Lights	LED Christmas Lights	Dimmer switch	Programmable Thermostat	Programmable Thermostat Baseboard	Motion Detector
<i>Number of participants or units delivered:</i>							
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Measure life (years):</i>	4.00	30.00	30.00	10.00	18.00	18.00	10.00
	see Spring Program for 2005 results						
<i>Number of participants or units 05/06</i>	8423	1323	1323	188	149	37	51
<i>Number of Participants or units delivered life-to-date</i>	8,423.00	2,323.00	2,323.00	188.00	149.00	37.00	51.00

B. TRC Results:	Reporting Year		Life-to-date TRC Results:	
			2005/2006 TRC Results	Results:
<i>TRC Benefits (\$):</i>				\$ 478,141.00
<i>Measure's Costs (\$):</i>			see Spring Program for 2005 results	
	<i>Utility program cost (less incentives):</i>	\$ -		\$ -
	<i>Incremental Measure Costs (Equipment Costs)</i>			\$ 36,187.00
	<i>Total TRC costs:</i>			\$ 36,187.00
<i>Net TRC (in year CDN \$):</i>				\$ 441,954.00
<i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i>	13.21	#DIV/0!		\$ 13.21

2005 coupon participants of 2000

C. Results: (one or more category may apply)			Cumulative Results:	
Conservation Programs:				
<i>Demand savings (kW):</i>	Summer	0.00	Report Winter Demand (kW)	
	Winter	0.00	15.78	
<i>Energy saved (kWh):</i>	lifecycle	in year	Cumulative Lifecycle	Cumulative Annual Savings
	0.00	0.00	9575533	1071192
			2006 Lifecycle	2005 Annual
			9575533	1071192
<i>Other resources saved :</i>				
	<i>Natural Gas (m3):</i>	0	0	
	<i>Water (l)</i>	0	0	

D. Program Costs*:		2005 Costs		Cumulative Life to Date	
<i>Utility direct costs (\$):</i>	<i>Incremental capital:</i>	\$ -		\$ -	
	<i>Incremental O&M:</i>	\$ -		\$ -	
	<i>Incentive:</i>	\$ -		\$ -	
	<i>Total:</i>	\$ -		\$ -	
<i>Utility indirect costs (\$):</i>	<i>Incremental capital:</i>	\$ -		\$ -	
	<i>Incremental O&M:</i>	\$ -		\$ -	
	<i>Total:</i>	\$ -		\$ -	
<i>Total Utility Cost of Program</i>		\$ -		\$ -	

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Education and Promotion

Description of the program (including intent, design, delivery, partnerships and evaluation):

Brochures on Tips to Help You Conserve Energy and Save Money were distributed to all customers along with money savings coupons for Tide Cold Water Wash Detergent (Switch to Cold Program). Each package was hand-delivered to the customer's door. Brochures and coupons were also distributed to customers that came into the utility office to pay their bill. A website is also in the design phase to allow customers to find additional information on pricing, how the market works, and conservation tips.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	0		
Efficient technology:	0		
Number of participants or units delivered:	0.00	N/A	N/A
Measure life (years):	0.00		
Number of participants or units 2005	2		
Number of Participants or units delivered life-to-date	2.00		

B. TRC Results:	Reporting Year	Life-to-date TRC Results:	
		2005 TRC Results	Results:
¹ TRC Benefits (\$):	\$ -	\$ -	\$ -
² TRC Costs (\$):			
Utility program cost (less incentives):		\$ 39,692.85	\$ 39,692.85
Incremental Measure Costs (Equipment Costs)	\$ -	\$ -	\$ -
Total TRC costs:		\$ 39,692.85	\$ 39,692.85
Net TRC (in year CDN \$):	-\$ 19,396.02	-\$ 39,692.85	-\$ 39,692.85
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	\$ -	\$ -

C. **Results: (one or more category may apply)**

Cumulative Results:

Conservation Programs:

Demand savings (kW):	Summer	0.00	Report Winter Demand (kW)	
			Winter	0.00
Energy saved (kWh):	lifecycle	0.00	Cumulative Lifecycle	Cumulative Annual Savings
	in year	0.00	0	0
Other resources saved :			2005 Lifecycle	2005 Annual
			0	0
Natural Gas (m3):	0	0		
Water (l)	0	0		

D. Program Costs*:	Reporting Year	Cumulative Life to Date	
		2005 Costs	
Utility direct costs (\$):			
Incremental capital:	\$ -	\$ -	\$ -
Includes Measure's Cost - ensure full cost of measure entered in TRC!L15			
Incremental O&M:	\$ -	\$ 20,296.83	\$ 39,692.85
Incentive:	\$ -	\$ -	\$ -
Total:	\$ -	\$ 20,296.83	\$ 39,692.85
Utility indirect costs (\$):			
Incremental capital:	\$ -	\$ -	\$ -
Incremental O&M:	\$ -	\$ -	\$ -
Total:	\$ -	\$ -	\$ -
Total Utility Cost of Program	\$ -	20,296.83	39,692.85