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

Conservation and Demand Management
2007 Annual Report

1.0 Introduction:

This report summarizes the activity and successes of the Cornerstone Hydro Electric Concepts (CHEC) Group with respect to conservation and demand management undertaken in 2007. Included in this document are the sixteen (16) individual reports from the CHEC members that discuss their specific program activities and the associated insights of the members.

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. In 2006 one LDC had exhausted their third tranche funding and continued to support the conservation effort by participating in the OPA programs. In 2007 five LDCs completed their third tranche expenditures with three others very close to completing their plans. Eight CHEC members requested extensions on their programs to facilitate completion of the plan.

The individual reports from each utility provides to the reader a better understanding of the activity and focus of each utility while this summary report provides an overview of the impact of this combined effort.

Within the 16 utilities there have been a total of 84 initiatives worked on in 2007. As in previous years the initiatives represent projects specific to individual LDCs and projects that are cooperative efforts between LDCs or agencies (local and OPA programs). While there were 84 initiatives included in the reporting many of the reports contained a number of separate activities joined in one Appendix B.

On the population of 84 initiatives, 37% had a positive TRC. Many 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 2007 the LDCs received additional funding through the OPA model. These additional funds combined with the third tranche funds maintained a high level of CDM activity across the province. In 2007 it was apparent that through the cooperative programs with the LDCs, the OPA gained recognition in the CDM market place. The availability of third tranche funds beyond September 2007

for some LDCs, allows the continuation of locally focused programs over and above the provincial initiatives.

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 CHEC Members:

The 2007 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 2007 their numbers are restated to maintain the completeness of the report.

3.0 Evaluation of the CDM Plan:

Total Portfolio: The 16 CHEC members collectively undertook a total of 84 initiatives. These programs fell within three categories:

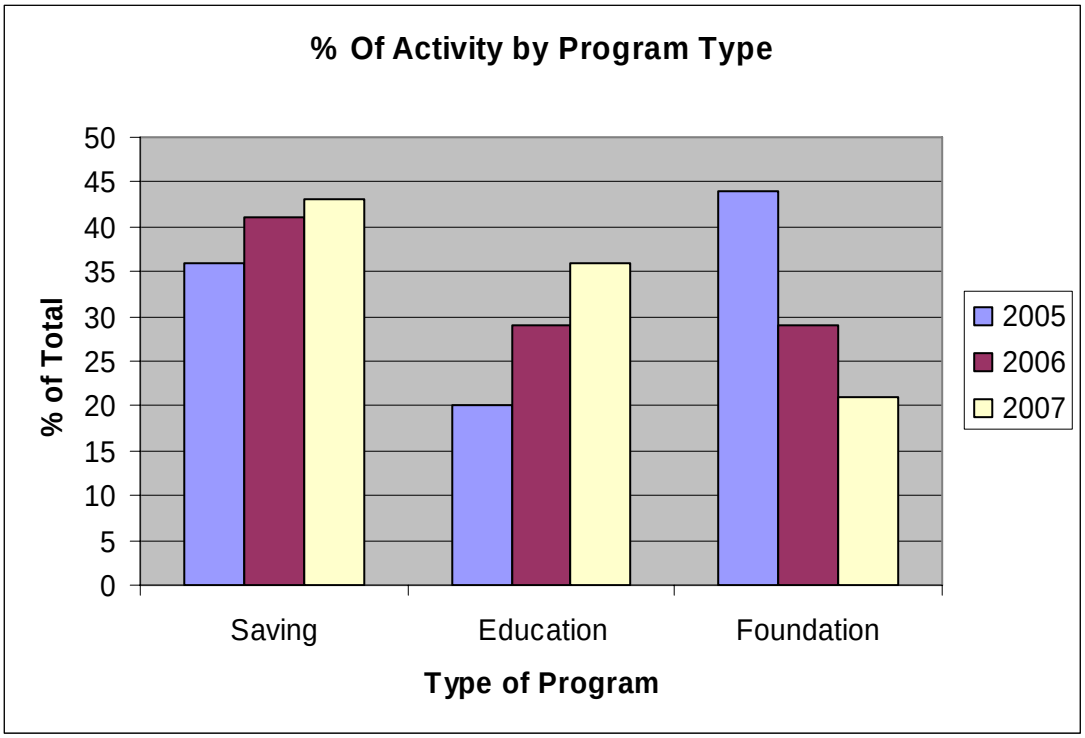
- Savings: Delivery of energy saving products or processes: coupons, rebates, free products, etc.
- Education: Providing general energy management information through such activities as: website development, workshops, brochures, school programs, etc,
- Foundation: Preparatory work for future programs 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 2007 initiatives represent a total energy savings (lifecycle) of 35,848,000 kWh at a combined "Utility Cost" of $1,176,700 or approximately 3.2 c/kWh. This cost of energy saved was achieved while continuing the education and foundation building programs. To put the energy savings in perspective 35.8 Million kWh represents the annual energy required by 2,983 homes (at 1000 kWh/month).

Figure 1 illustrates the change in program makeup from 2005 to 2007. Over the three year period there has been a steady increase in the "saving" and "education" programs. This was offset by a steady decrease in the "foundation" programs. Many of the education programs also incorporated measures to assist participants in their conservation efforts.

The "Foundation" programs in the third year, in many instances, were completion of projects started in the first and second years. In other projects the initiative provides the consumer with specific information that will assist them to implement energy conservation strategies and more fully participate in future programs offered through the LDC/OPA delivery channel.

Figure 1



Savings Programs: The 2007 Annual Report does not contain any of the OPA program results run in 2007. The cumulative number however does contain the impact of OPA coupon programs in 2006. Hence for 2007 the programs which resulted in a net 2007 TRC were all locally driven.

On the local level savings programs continued to focus on local partnerships and delivery channels. This year a number of projects partnered with other community agencies such as social housing to contact customer groups that may not have the opportunity to be fully engaged by the conservation movement.

The use of product incentives and give-a-ways continued to play a significant role in the local programming. Conservation kits, CFL bulbs and other conservation devices were distributed to customers through: school programs, fund raisers, community events and as prizes. A number of utilities also partnered with the Porchlight Project to increase the number of CFL bulbs delivered in their service territory.

System optimization projects continue to be included in the portfolio. The savings by these initiatives can be substantial when compared to the incremental cost. Further initiatives in this area can continue to provide for reduced losses on the systems and the associated demand for energy.

Education Programs: The CHEC LDC's continued their support of the education portfolio and the School Boards in their service territories. Through presentations at schools, support of program development and partnering with delivery agents such as environmental groups, LDCs supported the grade 5 and 9 curriculum. The LDCs involvement helped support the teachers in their efforts and highlighted that conservation is an issue beyond the "academic" environment.

Members continued providing training opportunities to the commercial and industrial sector. A number of programs focused on the small commercial customer and provided conservation measures for installation. In this sector this appeared to be one of the best approaches. Industrial customers continue to be a challenge as it appeared to be difficult to get them to free up time and dollars for conservation. The workshops and materials provided by member LDCs will help to better prepare the customers for such programs as ERIP. However continued focus on this customer group, making efforts to understand and address their specific barriers to conservation will be required.

The education programs, while not focused on kWh savings set the stage for improved performance of programs more focused on savings. The education initiatives increase the level of conservation awareness and help to foster the conservation culture within the province.

Foundation Program: While the number of "foundation" programs were on a decline, as would be expected, they remain significant. In 2007 the "foundation" programs contained a number of audit initiatives to provide specific information to the customer for savings. While in many instances implementation has not occurred it is anticipated that a number of these will encourage participation in programs such as ERIP.

In 2007 the longer term "foundation" programs such as: system optimization studies, smart meter preparation, and demonstration projects were completed, consistent with the funding.

Net TRC Results: The net TRC result of the combined CHEC CDM activity for 2007 is $882,739 down from $3,800,000 in 2006 however up from $500,000 in 2005. The TRC for the second year of the program was skewed by the EKC programs that were included in the 2006 Annual Report. The continued strong performance in the third year resulted from higher levels of activity of utilities with funds remaining and the inclusion of conservation measures in education programs. Education programs are an excellent way to support the theory with practical applications and implementation.

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. The complete Annual CDM Report for each utility is included in the appendices.

5.0 Lessons Learned:

Partnerships and Sharing: In the 2006 report it was noted that the ability to partner was increased in year two. In year three the trend continued with a number of not-for-profit agencies entering into partnerships with CHEC members. These partnerships were community centered and in many cases very cost effective.

The availability of funds at the local level to support these initiatives increased the penetration of projects in the service territories. Continuation of funds at the local level (perhaps through custom programs) to ensure the continuation of the current momentum, should prove beneficial to the conservation movement and the conservation culture that has developed.

CHEC members continue to share information between members and also with other LDCs. Combined efforts for the purchase of product and resources continue to support the conservation efforts of CHEC.

TRC: TRC continues to be one of the primary measures of third tranche programs and the OEB Guideline has been key in the general understanding of total resource costing as applied to the electrical system. This understanding will continue as the OPA applies TRC to future programs. It is interesting to note that the values of measures under the OPA evaluation method are different from those in the OEB tool.

Funding: A number of CHEC members have extended the time line for third tranche funding. The extensions in many instances have been focused around industrial commercial funds that have not been fully utilized. The longer lead time for industry to respond and the introduction of OPA programs has impacted

on the expenditure of these funds. However the availability of the funds for a slightly longer period will provide opportunities for early 2008.

Third Tranche and OPA Programs: Third tranche CDM Programs were impacted by the OPA Programs introduced in 2006 and 2007. Programs such as the coupon program, ERIP and Peak Saver in many instances were very similar or extensions of programs developed with third tranche funds. As such LDCs stepped back and reevaluated their plans to adjust for the provincial initiative. By adjusting their programs LDCs ensured they were not duplicating efforts and were in fact investing third tranche funds in areas that were not being addressed by existing programs.

Customer Readiness: The residential customers have been responsive to programs over the three year period. Small surveys by members and anecdotal comments appear to indicate an increased awareness and readiness for electrical conservation – indicators of the development of the "conservation culture".

As noted earlier the industrial and commercial customers continue to present a challenge. This sector appears to be aware of potential opportunities however lack the resources for evaluation and implementation of projects that do not appear focused to their core business. With the preparatory work over the last three years it is hoped that this customer sector is better prepared to move into implementation as the CDM industry continues with offerings that better meet their needs.

Utility Resources: Utility resources were challenged to meet the combined requirements of third tranche and OPA programs. In many instances the LDCs contracted internal resources or hired external consultants to assist with program management and delivery. It was found however that in many instances regular staff continues to play a critical role in setting the direction, reporting and monitoring the programs. The ability to manage these requirements as the industry moves forward continues to be an issue LDCs will need to address.

6.0 Conclusion:

The third year of CDM continued to deliver information, kWh savings and the support to the conservation culture.

While third tranche funding is coming to an end the conservation and demand management momentum started by the LDC programs will continue through the current OPA/LDC funding mechanism. The third tranche funding allowed for local initiatives that not only provided kWh savings but provided education opportunities aimed at preparing customers for future savings.

7.0 Appendices:

Appendix 1	Summary of CHEC Appendix A's	page 8

Individual Utility CDM 2006 Annual Report
RP-2004-0203/EB-2004-0502

Appendix 2	Centre Wellington	page 9
Appendix 3	COLLUS Power	page 38
Appendix 4	Grand Valley	page 72
Appendix 5	Innisfil Hydro	page 92
Appendix 6	Lakefront Utilities	page 114
Appendix 7	Lakeland Power Distribution	page 137
Appendix 8	Midland Power Utility	page 151
Appendix 9	Orangeville Hydro Ltd	page 187
Appendix 10	Orillia Power Distribution	page 215
Appendix 11	Parry Sound Power	page 246
Appendix 12	Rideau St. Lawrence	page 282
Appendix 13	Wasaga Distribution Inc.	page 317
Appendix 14	Wellington North Power	page 344
Appendix 15	West Coast Huron Energy	page 371
Appendix 16	Westario Power	page 399
Appendix 17	Woodstock Hydro Services	page 459

ORILLIA POWER DISTRIBUTION CORPORATION

ANNUAL REPORT ON CDM ACTIVITIES

FOR THE YEAR ENDING DECEMBER 31, 2007

INTRODUCTION:

Orillia Power Distribution Corporation ("Orillia Power") is pleased to present its final annual report on the activities and progress made in applying the conservation and demand management programs approved by the Ontario Energy Board ("the OEB") February 8, 2005 (Board file number EB-2004-0502). Attached to this report is Appendix A - Evaluation of 2005 - 2007 CDM Plan and Appendix C - Program and Portfolio Total.

Orillia Power has submitted its final Conservation and Demand Management Plan ("CDM Program") with the CHEC Group of LDC companies. The following programs and services were completed in 2007 with an annual program cost of $16,286 and a total cost of $206,954 since the start of the program. Orillia Power's third instalment of incremental MARR is $206,304.

PARTNERSHIP / SPONSORSHIP PROGRAMS

The intent of this program was to provide special incentive and discount programs in energy conservation for residential customers in partnership with federal and provincial government agencies, local municipalities and retailers.

(1) LED Traffic Lights

In partnership with our local municipality, city traffic lights were changed from incandescent bulbs to LED lights as part of the energy conservation program. Anticipated results include savings in consumption over conventional lights and savings in maintenance costs as the life expectancy of the new LED bulbs are 3 to 4 times that of conventional light bulbs. The difference in energy consumption is 1037 kWh per month for conventional lights compared to 200 kWh per month for LED lights for each traffic intersection. Four traffic intersections were converted in 2005, ten in 2006 and seven in 2007.

(2) Teaching the Teachers Program

The Energy Conservation Education for Teachers Project was a joint initiative with a group of utilities to sponsor a training workshop for teachers in the Simcoe County District School Board. The main intent of the workshop is to introduce energy conservation topics into elementary school curriculum. The outcome of the teacher's brainstorming sessions is the EcoSchool's Energy Conservation Ecological Literacy Guide. The

workshop included lesson plan development and implementation of a School Energy Conservation Action Plan and a Home Energy Audit.

COSTS INCURRED IN 2007:		
LED TRAFFIC LIGHTS CONVERSION	$	7,000
TEACHING THE TEACHERS	$	2,511
TOTAL COSTS INCURRED TO DECEMBER 31, 2007	$	34,077

CUSTOMER EDUCATION

Voluntary Blackout Day Challenge

This challenge was rolled out for a third year to give awareness to consumers of the major power blackout of August 14, 2003 and to encourage conservation during summer peak demand season. Woodstock Hydro once again sent a challenge to all LDC's to participate on August 14, 2007. The costs incurred for this program were for newspaper and radio advertising to educate the public and encourage them to participate.

COSTS INCURRED IN 2007	$	3,312
TOTAL COSTS INCURRED TO DECEMBER 31, 2007	$	13,317

ENERGY AUDITS, ENERGY EFFICIENT BUILDINGS & HOMES

Dollars to Sense Workshop

This program delivered, May 10/07 by Natural Resources Canada, was a repeat of a workshop held Dec 14/05. Orillia Power decided to offer the workshop a second time based on interest expressed by its customers. The workshop provided information and training for industrial and commercial customers interested in energy conservation opportunities. Topics included potential for energy savings, energy audits, setting the framework for an energy conservation culture, monitoring and analysis of conservation measures, and available technologies.

COSTS INCURRED IN 2007	$	3,463
TOTAL COSTS INCURRED TO DECEMBER 31, 2007	$	5,800

The following programs were completed in the previous 2005 and 2006 CDM program years:

SYSTEM OPTIMIZATION

The intent of this program was to improve system reliability and reduce distribution system losses. Initially distribution system design and load studies were conducted and a new substation was constructed at a strategic location to optimize load flows, power quality, load switching capability and reduce line losses.

The new substation was completed late 2006 and as a result, power quality and reliability have improved in a considerable part of the city with calculated benefits in line loss reduction. In addition to the procurement of energy efficient equipment, incremental operational costs directly related to this program were incurred including consultation fees and project design. The total capital cost of the project was $695,000 and 15% of this cost is considered as part of the CDM initiative.

CAPITAL COSTS INCURRED	$	101,000
OPERATION COSTS INCURRED	$	34,463
COSTS INCURRED IN 2007	$	0
TOTAL COSTS INCURRED TO DECEMBER 31, 2007	$	135,463

SMART METER INITIATIVES

As a member of the CHEC group, Orillia Power had joined the OUSM group of LDC's in monitoring the pilot implementation of smart meter technologies. Orillia Power will proceed with meter procurement beyond the completion of its CDM Program, but with OUSM group efforts, the essential processes of smart meter deployment were identified and put light on activities such as customer presentment, meter data repository requirements and back office integration work.

COSTS INCURRED IN 2007	$	0
TOTAL COSTS INCURRED TO DECEMBER 31, 2007	$	11,678

CONSERVATION WEBSITE

Costs were shared with other members of the CHEC group to develop a website specifically designed to assist the customer in managing their electrical energy use. Components of the website range from energy savings concepts to various industries and load profile services. The site contains a

wide variety of energy conservation information and links to some excellent resources on the web.

COSTS INCURRED IN 2007	$	0
TOTAL COSTS INCURRED TO DECEMBER 31, 2007	$	6,619

EVALUATION OF ORILLIA POWER'S CDM PLAN:

LESSONS LEARNED/CONCLUSIONS/ GENERAL COMMENTS:

1. For 2007, the year to date total for net Total Resource Cost ("TRC") is a positive value of $64,364 due to the delivery of the LED Traffic Lights Program and Blackout Day Challenge Program. Total spent in 2007 was $16,286, which completed the total CDM budget of $207,000. There were other educational programs such as Dollar to Sense Workshop for industrial customers and Teaching the Teachers Program of which TRC values cannot be calculated. The life to date total net TRC benefit is $919,606.

2. Overall expenditure to save one kWh is $.01, which is comparable to 2006 and an efficient number compared to 2005 number of $0.0212. It demonstrates that Orillia Power made a good selection of conservation programs producing good results.

3. The contribution to the LED traffic lights program was a success and the City has replaced most of the traffic lights. Changing the infrastructure equipment with energy efficient technology gives the most benefit for now and the future.

4. The Blackout Day Challenge was rolled out on a weekday and was recorded for the 8 hours peak consumption period. With weather normalization, Orillia Power achieved a modest reduction of 0.5% of total consumption. The most important results are customer education, learning how to conserve and awareness of the issues affecting our power supply. It creates a Culture of Conservation among all energy consumers, businesses and utilities alike, in implementing the necessary shift in behaviours and attitudes towards less energy usage.

5. The Dollar to Sense Workshop Program was rolled out again for the industrial customers. Commercial customers need to be more competitive in today's economy particularly as the Canadian dollar appreciates and will be better prepared to participate in the programs such as the Ontario Power Authority's Electricity Retrofit Program.

6. Teaching the Teachers Program was a good way to add energy conservation to the school curriculum in our community. It will be up to our youth, the future generation of consumers, to live and promote energy conservation habits.

Sincerely submitted by,

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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.

	[5] Cumulative Totals Life-to-date	Total for 2007	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System	[4] Smart Meters	Other #1	Other #2
Net TRC value ($):	*896,326.76*	**$ 64,364**	**$ -**	**$ -**	**$ 66,995**	**$ (3,463)**	**$ -**	**$ -**		**$ 3,343**	**$ (2,511)**
Benefit to cost ratio:	*3.66*	2.15	0.00	0.00	2.44	0.00	0.00	0.00		2.01	0.00
Number of participants or units delivered:	*13,346*	*172*	0	0	168	1	0	0		1	2
Lifecycle (kWh) Savings:	*25,699,960.75*	1,286,649	0	0	1,265,544	0	0	0		21,105	0
Report Year Total kWh saved (kWh):	*1,318,695.28*	67,499	0	1	63,277	0	0	0		4,221	0
Total peak demand saved (kW):		280	63	0	97	0	0	0		23	97
Total kWh saved as a percentage of total kWh delivered (%):	*0.14%*	0.02%	0.00%	0.00%			0%	0%			0%
Peak kW saved as a percentage of LDC peak kW load (%):		0%	0%	0%	0%	0%	0%	0%		0.04%	0%
[1] *Report Year Gross C&DM expenditures ($):*	*206,954.50*	$ 16,287	$ -	$ -	$ 7,001	$ 3,463	$ -	$ -	$ -	$ 3,312	$ 2,511
[2] *Expenditures per KWh saved ($/kWh):*	$ 0.01	$ 0.01	$ -	$ -	$ 0.01	$ -	$ -	$ -		$ 0.16	$ -
[3] *Expenditures per KW saved ($/kW):*		$ 58.16	$ -	$ -	$ 72.46	$ -	$ -	$ -		$ 141.54	$ 25.99

Utility discount rate (%):	7.625

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

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 ($)
2005-2006 Spring EKC Program	$ -	$ -	$ -	0.00	0	0	1	$ -
2006 Fall EKC Program	$ -	$ -	$ -	0.00	0	0	63	$ -
Name of Program I			$ -	0.00				
Name of Program J			$ -	0.00				
***Totals App. B - Residential**	$ -	$ -	$ -	0.00	0	0	63	$ -
Residential Indirect Costs not attributable to any specific program	→	$ -		*Total Residential kWh Delivered in 2007*				
Total Residential TRC Costs		$ -			System Peak in 2007		58,542	
****Totals TRC - Residential**	**$ -**	**$ -**	**$ -**	**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	1			
***Totals App. B -**	$ -	$ -	$ -	0.00	1	0	0	$ -
Commercial Indirect Costs not attributable to any specific program	→			*Total Commercial kWh Delivered in 2007*				
Total TRC Costs		$ -			System Peak in 2007		58,542	
****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 ($)
Institutional LED Traffic Lights	$ 113,614	$ 46,620	$ 66,995	2.44	63,277	1,265,544	97	$ 7,001
Christmas Tree Lighting at City Centr	$ -	$ -	$ -	0.00	0	0	0	$ -
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 -**	$ 113,614	$ 46,620	$ 66,995	2.44	63,277	1,265,544	97	$ 7,001
Institutional Indirect Costs not attributable to any specific program	→			*Total Institutional kWh Delivered in 2007*				
Total TRC Costs		$ 46,620			System Peak in 2007		58,542	
****Totals TRC - Institutional**	**$ 113,614**	**$ 46,620**	**$ 66,995**	**2.44**				

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 ($)
Industrial Dollar to Sense workshop	$ -	$ 3,463	-$ 3,463	0.00	0	0	0	$ 3,463
Name of Prorgam 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 -**	$ -	$ 3,463	-$ 3,463	0.00	0	0	0	$ 3,463
Industrial Indirect Costs not attributable to any specific program	→			*Total Industrial kWh Delivered in 2007*				
Total TRC Costs		$ 3,463			System Peak in 2007		58,542	
****Totals TRC - Industrial**	**$ -**	**$ 3,463**	**-$ 3,463**	**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.

	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 -**	$ -	$ -	$ -	0.00	0	0	0	$ -
Agricultural Indirect Costs not attributable to any specific program	→			*Total Agricultural kWh Delivered in 2007*				
Total TRC Costs		$ -			System Peak in 2007		58,542	
****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.

	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 ($)
2006 LDC Optimization project	$ -	$ -	$ -	0.00	0	0	0	$ -
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 -**	$ -	$ -	$ -	0.00	0	0	0	$ -
LDC System Indirect Costs not attributable to any specific program	→			*Total Losses kWh Delivered in 2007*				
Total TRC Costs		$ -			System Peak in 2007		58,542	
****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 ($)	-
Previous Year C&DM Expenditures ($)	

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 ($)
2007 Blackout day challenge	$ 6,655	$ 3,312	$ 3,343	2.01	4,221	21,105	23	$ 3,312
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 -**	$ 6,655	$ 3,312	$ 3,343	2.01	4,221	21,105	23	$ 3,312
Other #1 Indirect Costs not attributable to any specific program				*Total Other kWh Delivered in 2007*		321,106,485.00		
Total TRC Costs		$ 3,312			System Peak in 2007		58,542	
****Totals TRC - Other #1**	**$ 6,655**	**$ 3,312**	**$ 3,343**	**2.01**				

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 ($)
Advertising & delivery of conservation	$ -	$ -	$ -	0.00	0	0	0	$ -
Website for Conservation	$ -	$ -	$ -	0.00	0	0	0	$ -
Teach the Teacher Program	$ -	$ 2,511	-$ 2,511	0.00	0	0	97	$ 2,511
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 -**	$ -	$ 2,511	-$ 2,511	0.00	0	0	97	$ 2,511
Other #2 Indirect Costs not attributable to any specific program				*Total Other kWh Delivered in 2007*		0		
Total TRC Costs		$ 2,511			System Peak in 2007		58,542	
****Totals TRC - Other #2**	**$ -**	**$ 2,511**	**-$ 2,511**	**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**	$ 120,269	$ 55,905	$ 64,364	2.15	$ 67,499	$ 1,286,649	$ 280	$ 16,287
*Any **other** Indirect Costs not attributable to any specific program*				*Total kWh Delivered in 2007*		321,106,485.00		
TOTAL ALL LDC COSTS		$ 55,905			System Peak in 2007		58,542	
****LDC' PORTFOLIO TRC**	$ 120,269	$ 55,905	$ 64,364	2.15				
				Total kWh Delivered 05/06		637,488,261.00		

* 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 section for each program)

A. **Name of the Program:** 2005-2006 Spring 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
Base case technology:	0	0.00	0.00	0.00	0.00	0.00
Efficient technology:	CFLs	Ceiling Fan	Timers	Progr. Thermostats	Seasonal LED lights	0.00
Number of participants or units delivered:	0.00	0.00	0.00	0.00	0.00	0.00
Measure life (years):	4.00	20.00	20.00	18.00	0.00	0.00
Number of participants or uni	397	21	52	70	181	
Number of Participants or units delivered life-to-date	397.00	21.00	52.00	70.00	181.00	0.00

B.

TRC Results:	**Reporting Year**	**2005-2006 TRC Results**	**Life-to-date TRC Results:**
TRC Benefits ($):		$ 34,272.30	$ 34,272.30
Measure's Costs ($):			
Utility program cost (less incentives):	$ -	$ 4,527.10	$ 4,527.10
Incremental Measure Costs (Equipment Costs)		$ 5,659.16	$ 5,659.16
Total TRC costs:	$ -	$ 10,186.26	$ 10,186.26
Net TRC (in year CDN $):	$0.00	$ 24,086.04	$ 24,086.04
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	$ 3.36	$ 3.36

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* 0.61 — Report Winter Demand (kW): 0.61

Winter 0.00

	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):			642309.93	62027.196
			2005 Lifecycle	*2005 Annual*
			642309.93	62027.196

Other resources saved :

Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):
Distribution system power factor at end of year (%):

Line Loss Reduction Programs:
Peak load savings (kW):

	lifecycle	*in year*
Energy savngs (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):

D. **Program Costs*:**

			2005-2006 Costs	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -	$ 5,114.00	$ 5,114.00
	Incentive:	$ -	$ -	$ -
	Total:	$ -	$ 5,114.00	$ 5,114.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	5,114.00	5,114.00

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 numebr 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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** 2006 Fall EKC Program

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

Residential Baseboard pStats, Dimmers, Energy Star CFL,Motion Sensor, Programmable Thermostats and Seasonal LEDs discount coupon program organized by OPA during Fall of 2006. Discount coupons were sent out to 11,000 customer addresses.

Measure(s):

	Measure 1	Measure 2	Measure 3	Measure 4	Measure 5	Measure 6
Base case technology:	Manual Thermostat	normal switch	Incandesent bulb	Manual light switch	Manual adjust thermostat	Seasonal lights
Efficient technology:	Base Board pStat	Dimmer	Energy Star CFL	Motion sensor switch	Programmable thermostat	Seasonal LED lights
Number of participants or units delivered:	0.00	0.00	0.00	0.00	0.00	0.00
Measure life (months):	216.00	120.00	51.72	120.00	216.00	360.00
Number of participants or units 20	8	120	1102	25	110	598
Number of Participants or units delivered life-to-date	8.00	120.00	1,102.00	25.00	110.00	598.00

B.

TRC Results:	**Reporting Year**	**2006 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*		$ 55,206.95	$ 55,206.95
[2] *Measure's Costs ($):*			
Utility program cost (less incentives):	$ -		$ -
Incremental Measure Costs (Equipment Costs)		$ 12,082.00	$ 12,082.00
Total TRC costs:	$ -	$ 12,082.00	$ 12,082.00
Net TRC (in year CDN $):	$0.00	$ 43,124.95	$ 43,124.95
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ 4.57	$ 4.57

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

Cumulative Results:

Conservation Programs:

			Report Winter Demand (kW)	
Demand savings (kW):	*Summer*	8.24		
	Winter	62.77	62.77	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):		0.00	1687246.495	191612.4977
			2006 Lifecycle	*2006 Annual*
			1687246.495	191612.4977

Other resources saved :

Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):
Distribution system power factor at end of year (%):

Line Loss Reduction Programs:
Peak load savings (kW):

	lifecycle	*in year*
Energy savngs (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):

D. **Program Costs*:**

			2005 Costs	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	0 *Incremental O&M:*	$ -		$ -
	Incentive:	$ -		$ -
	Total:	$ -	$ -	$ -
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	-	-

E. **Assumptins & 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 numebr 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:** Institutional LED Traffic Lights

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

Energy conservation program by replacing existing incandescent traffic lights to LED traffic lights. Requires bulb replacement only performed by contractor. Orillia Power paid $1000 per traffic intersection to the municipality. 168 LED bulbs were changed covering 7 intersections. Estimated cost to convert was $7,500 per intersection. Base case allowed for annual relamping.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	1037 kWh/mth per intersection		
Efficient technology:	LED 200 kwh/mth per intersection		
Number of participants or units delivered:	168.00	0	0
Measure life (years):	20.00		
Number of units in 2005 & 2006	336		
Number of Participants or units delivered life-to-date	504.00		

B.

TRC Results:	**Reporting Year**	**2005-2006 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ 113,614.44	$ 228,084.11	$ 341,698.55
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -		$ -
Incremental Measure Costs (Equipment Costs)	$ 46,619.50	$ 93,238.99	$ 139,858.49
Total TRC costs:	$ 46,619.50	$ 93,238.99	$ 139,858.49
Net TRC (in year CDN $):	$ 66,994.94	$ 134,845.12	$ 201,840.06
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	2.44	$ 2.45	$ 2.44

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	96.62	Report Winter Demand (kW)	
	Winter	96.62	96.62	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*1,265,544.00*	63,277.20	3,796,632.00	189,831.60
			2005-2006 Lifecycle	*2005-2006 Annual*
			2,531,088.00	126,554.40

Other resources saved :		
Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):	
Distribution system power factor at end of year (%):	

Line Loss Reduction Programs:

Peak load savings (kW):		
	lifecycle	*in year*
Energy savngs (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):	

D.

Program Costs*:		**Reporting Year**	**2005-2006 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -

	Incentive:	$ 7,000.56	$ 14,001.12	$ 21,001.68
	Total:	$ 7,000.56	$ 14,001.12	$ 21,001.68
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 7,000.56	14,001.12	21,001.68

E. Assumptions & Comments:

Out of 24 bulbs per inter section there will be 8 bulbs lit at any given time. Each LED bulb saves about 100 kWh per year. For 8 bulbs x 7 intersections it will be 5600kWh/year savings converted to 0.639kW demand savings.

[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 numebr of units times the net present value per unit b

[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

2007 Orillia Traffic Light Program

Incandescent bulbs replaced with LED lights. 168

Base Case — Assuming 8 bulbs are lit at any given time at an intersection

	Wattage	Monthly kWh	Annual kWh
With Incandescent Bulbs	129.63	1037	12444
With LED Bulbs	25	200	2400
Load Savings per intersection			10044
Load Savings per bulb	24 bulbs per intersection		418.5

Cost to convert: (Participant Equipment Cost)

Per Intersection	$	7,500.00
# of Intersections		7
Cost	$	52,500.00

On Measure's table the intersection savings was put in
Need to change to per bulb

Incandescent Annual	518.5
LED Annual kWh/bull	100
Annual Savings kWh/	418.5

Relamping Assumptions

	Years to Relamp	Cost of Bulb	Labour to relamp
Incandescent	1	$ 5.00	$ 1,000.00
LED	20	$ 10.00	$ 1,000.00

Relamping of the LED will be done less. For the lifetime of the technology can take 20 years. In other words the LED bulbs will be used for the next 20 years. With the above assumption the Incandescents would be relamped 20 times while no relamping is required for LED's for 20 years.

Cost of Relamping

	# of Relampings	Labour Cost/Time	Cost of Bulbs(Total)	Total
Incandescent	20	1000	$ 840.00	$ 36,800.00
LED	0	1000	$ 960.00	$ -

Savings in Maintenance $ 36,800.00

Discounted Unit Cost

	Maintenance Cost
Base Case Incandscent	$ 29,600.00
EE Case - LEDs	$ -
Discounted Measure's Cost	-$ 29,600.00
Discounted Measures CostPer Unit for # of Bulbs	-$ 176.19

Above data goes to Measures table

Season	**Winter (December to March)**			**Summer (June to September)**			**ulder (April, May, Oct., N**		
Price Period	On Peak	Mid Peak	Off Peak	On Peak	Mid Peak	Off Peak	Mid Peak	Off Peak	
Time of Day	7 am to 11 am 5 pm to 8 pm	11 am to 5 pm 8 pm to 10 pm	10 pm to 7 am All weekend hrs.	11pm to 5 pm	7 am to 11 5 pm to 10 pm	10 pm to 7 All weekend hrs.	7am to 10	10 pm to 7 am All weekend hrs.	
# of Hours	602	688	1614	522	783	1623	1305	1623	8760
% of Annual Hours	6.87%	7.85%	18.42%	5.96%	8.94%	18.53%	14.90%	18.53%	100.00%
Consistent Load **418.5**	28.76	32.87	77.11	24.94	37.41	77.54	62.35	77.54	418.50

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Industrial Dollar to Sense workshop

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

2005 Project - Energy Conservation Workshop co-sponsored by NRCan.

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:	1.00	0	0
Measure life (years):	5.00		
Number of participants or units 2005	1		
Number of Participants or units delivered life-to-date	2.00		

B.

TRC Results:	**Reporting Year**	**2005 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	*$ -*	$ 72,550.75	$ 72,550.75
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 3,462.99	$ 2,337.00	$ 5,799.99
Incremental Measure Costs (Equipment Costs)	$ -	$ 7,200.00	$ 7,200.00
Total TRC costs:	$ 3,462.99	$ 9,537.00	$ 12,999.99
Net TRC (in year CDN $):	-$ 3,462.99	$ 63,013.75	$ 59,550.76
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	$ 7.61	$ 5.58

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	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	1275430	255086
			2005 Lifecycle	*2005 Annual*
			1275430	255086

Other resources saved :		
Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):
Distribution system power factor at end of year (%):

Line Loss Reduction Programs:

	lifecycle	in year
Peak load savings (kW):		
Energy savngs (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):

D. **Program Costs*:**

		Reporting Year	2005 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ 3,462.99	$ 2,337.00	$ 5,799.99
	Incremental O&M:	$ -		$ -
	Incentive:	$ -		$ -
	Total:	$ 3,462.99	$ 2,337.00	$ 5,799.99
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 3,462.99	2,337.00	5,799.99

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 numebr of units times the net present value per unit b

[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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** 2006 LDC Optimization project

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

Load flows and voltage drop studies were performed to reduce losses and increase power quality. A new substation was constructed and located strategically where it would give the minimum line losses and voltage drop. An inefficient old station will be taken out of service. We can omit the calculation of operating cost as the number of substations is not changed. Energy savings due to reduced losses are calculated with the comparison between the old system setup versus the new setup. Other benefits such as system reliability and power quality improvements were realized. Measured life is conservatively kept at 30 years. Free reider rate is assumed as 0% as it is a one of project.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Old distribution system		
Efficient technology:	Distribution System with new substn.		
Number of participants or units delivered:	0.00		
Measure life (years):	30.00		
Number of participants or units 2005	1		
Number of Participants or units delivered life-to-date	1.00		

B.

TRC Results:	**Reporting Year**	**2006 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*		$ 648,828.71	$ 648,828.71
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -		$ -
Incremental Measure Costs (Equipment Costs)		$ 135,463.00	$ 135,463.00
Total TRC costs:	$ -	$ 135,463.00	$ 135,463.00
Net TRC (in year CDN $):	$ -	$ 513,365.71	$ 513,365.71
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ 4.79	$ 4.79

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

Conservation Programs:

			Cumulative Results:	
Demand savings (kW):	*Summer*	0.00	Report Summer Demand (kW)	
	Winter	0.00	0.00	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	18156570	605219
			2006 Lifecycle	*2006 Annual*
			18156570	605219

Other resources saved :

Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):
Distribution system power factor at end of year (%):

Line Loss Reduction Programs:
Peak load savings (kW):

	lifecycle	*in year*
Energy savngs (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):

D. **Program Costs*:**

		Reporting Year	**2005-2006 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -	$ 135,463.00	$ 135,463.00
	Incentive:	$ -		$ -
	Total:	$ -	$ 135,463.00	$ 135,463.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	135,463.00	135,463.00

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 numebr of units times the net present value per unit b

[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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Smart Meter Initiatives

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

The cost incurred is solely for Smart meter initiatives and monitor the pilot projects of other utilities. Installation and implementation will be coordinated with other utilities.

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	0	0
Measure life (years):	0.00		
Number of participants 2005-2006	0		
Number of Participants or units delivered life-to-date	0.00		

B.

TRC Results:	**Reporting Year**	**2005-2006 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -		$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):		$ 11,679.00	$ 11,679.00
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ -	$ 11,679.00	$ 11,679.00
Net TRC (in year CDN $):	$ -	-$ 11,679.00	-$ 11,679.00
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ -	$ -

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

	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	0	0
			2005 Lifecycle	*2005 Annual*

Other resources saved :		
Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):	

Distribution system power factor at end of year (%):

Line Loss Reduction Programs:

Peak load savings (kW):

	lifecycle	*in year*
Energy savngs (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):

D. **Program Costs*:**

		Reporting Year	2005-2006 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ -	$ 11,679.00	$ 11,679.00
	Incremental O&M:	$ -		$ -
	Incentive:	$ -		$ -
	Total:	$ -	$ 11,679.00	$ 11,679.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	11,679.00	11,679.00

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 numebr of units times the net present value per unit b

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** 2007 Blackout day challenge

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

Blackout Day Challenge is to give awareness to consumers of the major blackout of August 14, 2003 and to conserve energy during summer peak demand season. Woodstock Hydro has done a voluntary blackout day for their community in 2004 and had achieved a 4%

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:	1.00	0	0
Measure life (years):	5.00		
Number of participants or units 2(	1.00		
Number of Participants or units delivered life-to-date	2.00		

B.

TRC Results:	**Reporting Year**	**2006 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	*$ 6,654.63*	$ 71,018.84	$ 77,673.47
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 3,312.00	$ 2,985.00	$ 6,297.00
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ 3,312.00	$ 2,985.00	$ 6,297.00
Net TRC (in year CDN $):	$ 3,342.63	$ 68,033.84	$ 71,376.47
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	2.01	$ 23.79	$ 12.33

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

Conservation Programs:

			Cumulative Results:	
Demand savings (kW):	*Summer*	23.40	Report Winter Demand (kW)	
	Winter	0.00	0.00	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*21,105.00*	4,221.00	61159.5	12231.9
			2006 Lifecycle	*2006 Annual*
			40054.5	8010.9

Other resources saved :

Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):
Distribution system power factor at end of year (%):

Line Loss Reduction Programs:

Peak load savings (kW):

	lifecycle	*in year*
Energy savngs (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):

D. **Program Costs*:**

		Reporting Year	2006 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ 3,312.00	$ 2,985.00	$ 6,297.00
	Incentive:	$ -		$ -
	Total:	$ 3,312.00	$ 2,985.00	$ 6,297.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 3,312.00	2,985.00	6,297.00

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 numebr of units times the net present value per unit b

[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

Orillia 2007 Voluntary Blackout Day Results

Projected Daily Savings in Energy and Peak Demand			
Daily Consumption Values	**kWh**	**Difference in kWh (Absolute)**	**Difference in kWh (Percentage)**
Voluntary Blackout Day	903,589	--	--
Baseline 1 (Translated)	908,279	4,690	0.5%
Baseline 2 (Scaled)	904,501	912	0.1%
Daily Peak Demand Values	**kW Demand**	**Reduction in kW (Absolute)**	**Reduction in kW (Percentage)**
Voluntary Blackout Day	44,782	--	--
Baseline 1 (Translated)	44,808	26	0.1%
Baseline 2 (Scaled)	44,263	-519	-1.2%

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Advertising & delivery of conservation message

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

To convey educational materials, safety messages and update of government regulation changes through billing stuffers and advertising.

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:	1.00		
Measure life (months):	0.00		
Number of participants or units 200	10000		
Number of Participants or units delivered life-to-date	10,001.00		

B.

TRC Results:	**Reporting Year**	**2005 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -		$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -	$ 7,020.20	$ 7,020.20
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ -	$ 7,020.20	$ 7,020.20
Net TRC (in year CDN $):	$ -	-$ 7,020.20	-$ 7,020.20
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ -	$ -

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	0.00	Report Summer Demand (kW)	
	Winter	0.00	0.00	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	0	0
			2005 Lifecycle	*2005 Annual*

Other resources saved :		
Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):	
Distribution system power factor at end of year (%):	

Line Loss Reduction Programs:

Peak load savings (kW):		
	lifecycle	*in year*
Energy savngs (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):	

D. **Program Costs*:**

		Reporting Year	2005 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -	$ 7,020.20	$ 7,020.20
	Incentive:	$ -		$ -
	Total:	$ -	$ 7,020.20	$ 7,020.20
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	7,020.20	7,020.20

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 numebr of units times the net present value per unit benefit specified in the TRC Guide.

2 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:** Website for Conservation

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

To host website on energy conservation along with other CHEC members - on line in 2006.

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		
Measure life (months):	0.00		
Number of participants or unit	1		
Number of Participants or units delivered life-to-date	1.00		

B.

TRC Results:	**Reporting Year**	**2005 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -		$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -	$ 6,619.13	$ 6,619.13
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ -	$ 6,619.13	$ 6,619.13
Net TRC (in year CDN $):	$ -	-$ 6,619.13	-$ 6,619.13
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ -	$ -

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

Cumulative Results:

Conservation Programs:

			Report Summer Demand (kW)
Demand savings (kW):	*Summer*	0.00	0.00
	Winter	0.00	

	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	0	0
			2005 Lifecycle	*2005 Annual*

Other resources saved :

Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):

Distribution system power factor at end of year (%):

Line Loss Reduction Programs:

Peak load savings (kW):

	lifecycle	*in year*
Energy savngs (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):

D. **Program Costs*:**

		Reporting Year	**2005 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -	$ 6,619.13	$ 6,619.13
	Incentive:	$ -		$ -
	Total:	$ -	$ 6,619.13	$ 6,619.13
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	6,619.13	6,619.13

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 numebr of units times the net present value per unit benefit specified in the TRC Guide.

2 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:** Christmas Tree Lighting at City Centre

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

2005 project

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	0		
Efficient technology:	Seasonal LEDs		
Number of participants or units delivered:	0.00		
Measure life (months):	0.00		
Number of participants or units 2005	150		
Number of Participants or units delivered life-to-date	150.00		

B.

TRC Results:	**Reporting Year**	**2005 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -	$ 2,439.10	$ 2,439.10
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -	$ 3,306.00	$ 3,306.00
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ -	$ 3,306.00	$ 3,306.00
Net TRC (in year CDN $):	$ -	-$ 866.90	-$ 866.90
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ 0.74	$ 0.74

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	0.00	Report Summer Demand (kW)	
	Winter	0.00	0.00	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	80612.82	2687.09
			2005 Lifecycle	*2005 Annual*
			80612.82	2687.09

Other resources saved :

Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):
Distribution system power factor at end of year (%):

Line Loss Reduction Programs:

Peak load savings (kW):		
	lifecycle	*in year*
Energy savngs (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):	

D. **Program Costs*:**

		Reporting Year	2005 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -	$ 5,449.50	$ 5,449.50
	Incentive:	$ -		$ -
	Total:	$ -	$ 5,449.50	$ 5,449.50
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	5,449.50	5,449.50

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 numebr 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:** Teach the Teacher Program

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

Along with other LDCs in the Simcoe County area supported School Board in developing curriculum for grade 5 classes.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:			
Efficient technology:			
Number of participants or units delivered:	1.00		
Measure life (years):	5.00		
Number of units in 2005 & 2006	0		
Number of Participants or units delivered life-to-date	1.00		

B.

TRC Results:	**Reporting Year**	**2005-2006 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -	$ -	$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 2,511.00		$ 2,511.00
Incremental Measure Costs (Equipment Costs)	$ -	$ -	$ -
Total TRC costs:	$ 2,511.00	$ -	$ 2,511.00
Net TRC (in year CDN $):	-$ 2,511.00	$ -	-$ 2,511.00
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	#DIV/0!	$ -

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	96.62	Report Winter Demand (kW)
	Winter	96.62	96.62

	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	0.00	0.00
			2005-2006 Lifecycle	*2005-2006 Annual*
			0.00	0.00

Other resources saved :		
Natural Gas (m3):	0	0
Water (l)	0	0

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 begining of year (%):	
Distribution system power factor at end of year (%):	

Line Loss Reduction Programs:

Peak load savings (kW):		
	lifecycle	*in year*
Energy savngs (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):	

D. **Program Costs*:**

		Reporting Year	2005-2006 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ 2,511.00		$ 2,511.00
	Incentive:	$ -	$ -	$ -
	Total:	$ 2,511.00	$ -	$ 2,511.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 2,511.00	-	2,511.00

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 numebr of units times the net present value per unit b

[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