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:

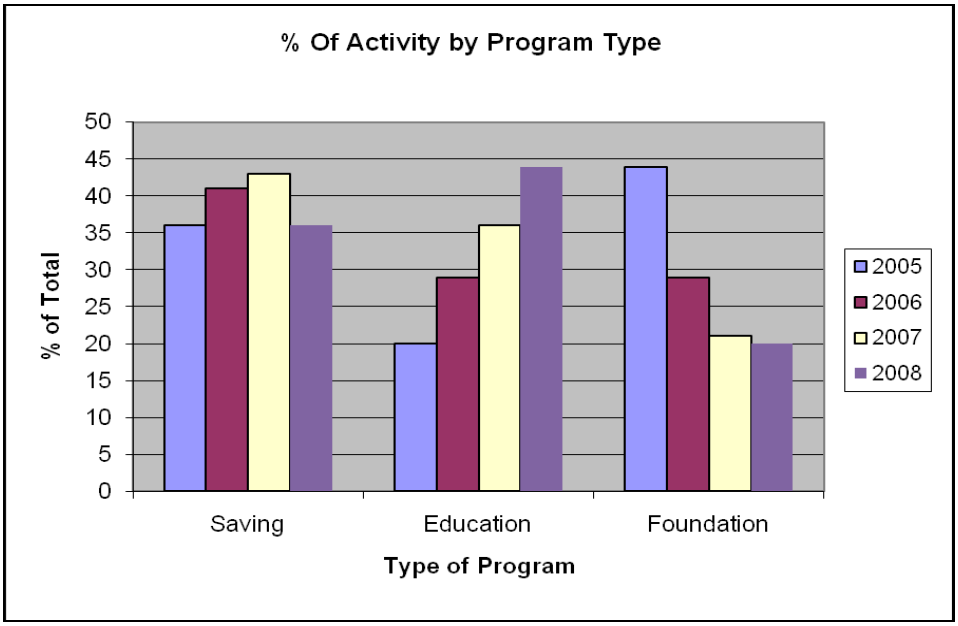
2008 Portfolio: The 9 LDCs with third tranche funding remaining collectively undertook a total of 25 initiatives in 2008. These programs fell within three categories:

- 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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Keith Roszell, Chair
Ron Hallman, Director
Audrey McNiven, Director
George Pinkney, Director

1.0 Introduction:

Centre Wellington Hydro submits this report as per the reporting requirements of the Ontario Energy Board (OEB) with respect to Third Tranche Funding.

2.0 Information Provided:

Third Tranche expenditures by Centre Wellington Hydro was completed prior to 2008 and a final report was previously provided to the OEB.

Attached to this letter of transmittal please find:

- CHEC Overview Report
- Appendix D – new requirement summarizing the program over the entire period
- Previously provided Summary Report including:
  - Appendix A
  - Appendix C
  - Appendix B for each program

3.0 CHEC Overview Report:

Consistent with past reporting, an overview report outlining the programs delivered by the CHEC LDCs has been provided and forms part of our annual report.

Yours truly

Pat Kelly

Accounting/Administrative Assistant

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Centre Wellington Hydro Ltd.
RP-2004-0203\ED-2002-0498
2007 Conservation and Demand Annual Report
Third Tranche Funding

Introduction:

Centre Wellington is pleased to submit our 2007 Annual Report on the final expenditures made in applying the third tranche ($59,793) monies to conservation and demand management programs. Attached to this report is Appendix A – Evaluation of the CDM Plan, along with Appendix B – Discussion of the Program for the individual programs and Appendix C – Program Portfolio Totals. Centre Wellington Hydro has submitted its conservation and demand management plan with the CHEC Group (Cornerstone Hydro Electric Concepts) and has received a final order dated February 8, 2005 approving the spending.

This report represents the final report on Centre Wellington Hydro's Third Tranche CDM Program. The total amount of $59,793 has been invested in conservation initiatives over the three year period helping to create the Conservation Culture in Ontario.

Evaluation of the CDM Plan:

The 2007 CDM activity resulted in a positive TRC of $23,400 and a lifecycle kWh savings of 906,800. The program in addition to continuing to foster a conservation culture included technology exchange that result in reduced kWh consumption as noted.

The investment of the third tranche funding over the three year period of the program has resulted in a TRC of $226,935 and a lifecycle kWh savings of 6,165,370. In addition to the resulting savings the program helped to foster the conservation culture by making over 9,000 customer contacts over the lifetime of the program. This number is understated as incidental contacts from promotion materials are not accounted for. The third tranche program funding provided to Centre Wellington and all LDCs across the province have assisted with raising the awareness of conservation and helped position the LDCs and OPA for continued support of conservation initiatives.

The summary of the programs are outlined in the Appendices attached to this report.

Discussion of Programs:

The 2007 programs utilized an Energy Crunch Kit to provide energy efficiency technology to customers. In addition to providing CFLs for residential use the kits also provided product for reducing air leakage. The two fold approach helped to reinforce with customers that conservation is more than just changing

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your light bulbs. The kits were utilized in a number of outreach opportunities with customers including public events and school programs.

Centre Wellington had the opportunity to deliver a school program to five schools in the service territory. This program helped to reinforce the conservation message with the youth and to carry the message back to the home.

In 2007 Centre Wellington partnered with the Green Communities Group and the OPA to provide enhanced measures to qualified low income housing. Unfortunately this program, because of the criteria developed for the program did not result in a large number of measures being implemented. The contractor indicated that with the focus on electric heat houses and the income level it was difficult to find qualifying parties. When qualifying parties were found many of the homes were determined to be sufficiently insulated removing the need for enhanced measures.

The streetlight conversion continued with 35 units being converted in 2007. The change in technology highlights to the municipality opportunities for savings. The municipality as a major operator of facilities represents a partner that through audits and implementation of programs can demonstrate to the community the opportunities for energy savings.

Lessons Learned:

The 2007 program, especially the school program, clearly indicates that local partnerships can result in good contact and delivery of savings for conservation programs. In addition the success of the OPA programs in 2007 (results not included in this report for 2007) illustrates how the leverage of LDC relationships in 2006 has assisted the OPA to establish an identity in the conservation field in Ontario.

The criteria set for any program, as illustrated by the Low Income Program, requires consideration to ensure that a sufficient population will qualify to ensure the success of the program. While the program did not reach many participants, Centre Wellington continues to support initiatives that would reach customers that may be most impacted by increases in energy costs. The lessons learned from this program will assist the LDCs and the OPA with future programs.

Access to commercial and industrial customers continues to be challenging. While completing audits assist industrial and commercial customers to set direction, implementation continues to be a challenge. By providing audits through third tranche it is anticipated that programs such as ERIP will assist with customers moving forward with implementation.

Conclusions:

The third tranche funding has provided both kWh savings and has supported the development of the "Conservation Culture" in Ontario. The third tranche funding in the Centre Wellington service area has

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involved customers in programs, provided information and education support and provided a base awareness to support the continued development of the conservation culture and the implementation of kWh savings into the future.

The investment of third tranche funding has established Centre Wellington as a local source for conservation assistance for the community. Through continued involvement in the OPA funded programs Centre Wellington will continue to support the conservation culture.

Yours truly,

Florence Thiessen

Florence Thiessen
Vice President / Treasurer
Centre Wellington Hydro Ltd.

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
Net TRC value ($):	$ 226,935	$ 239,198	$ 6,412	$ -	-$ 7,748	-$ 4,515	$ -		$ -		
Benefit to cost ratio:	4.19	5.55	2.60	0.00	0.45	0.00	0.00	0.00	0.00		
Number of participants or units delivered:	9,689	9649	303	0	40	0	0	0	0		
Lifecycle (kWh) Savings:	6,165,373	5,964,745	197,970	-	200,628	0	0	0	0		
Total kWh saved (kWh):	838,693	828,662	33,428	-	10,031	-					
Total peak demand saved (kW):	165.00	156	9	0	9	0	0	0	0		
Total kWh saved as a percentage of total kWh delivered (%):	*0.52%*										
Peak kW saved as a percentage of LDC peak kW load (%):											
[1] *Gross C&DM expenditures ($):*	$ 59,793	$ 39,708	$ 5,427	$ -	$ 15,570	$ 4,515	$ -	$ -	$ -	$	$
[2] *Expenditures per KWh saved ($/kWh):*	$ 0.0097	$ 0.0067	$ 0.0274	$ -	$ 0.0776	0	$ -	$ -	$ -	$	$
[3] *Expenditures per KW saved ($/kW):*				$ -		$0.00	$ -	$ -	$ -	$	$
Utility discount rate (%):											

[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 commerical 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.

	[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 ($):	*226,935.01*	**$ 23,411**	**$ 28,765**	**$ -**	**$ (4,287)**	**$ (1,067)**	**$ -**	**$ -**		**$ -**	**$ -**
Benefit to cost ratio:	*4.19*	1.99	3.30	0.00	0.58	0.00	0.00	0.00		0.00	0.00
Number of participants or units delivered:	*9,689*	*1,538*	1,503	0	35	0	0	0		0	0
Lifecycle (kWh) Savings:	*6,165,372.78*	906,810	719,970	0	186,840	0	0	0		0	0
Report Year Total kWh saved (kWh):	*838,693.44*	163,875	154,533	0	9,342	0	0	0		0	0
Total peak demand saved (kW):		51	41	0	9	0	0	0		0	0
Total kWh saved as a percentage of total kWh delivered (%):	*0.52%*	0.10%	0.33%	0.00%	0.13%	0.00%	0.00%	0.00%		0.00%	0.00%
Peak kW saved as a percentage of LDC peak kW load (%):		0.18%	0.15%	0.00%	0.03%	0.00%	0.00%	0.00%		0.00%	0.00%
[1] *Report Year Gross C&DM expenditures ($):*	*59,792.53*	$ 28,719	$ 17,530	$ -	$ 10,121	$ 1,067	$ -	$ -	$ -	$ -	$ -
[2] *Expenditures per KWh saved ($/kWh):*	$ 0.01	$ 0.03	$ 0.02	$ -	$ 0.05	$ -	$ -	$ -		$ -	$ -
[3] *Expenditures per KW saved ($/kW):*		$ 564.82	$ 422.56	$ -	$ 1,081.30	$ -	$ -	$ -		$ -	$ -

Utility discount rate (%):	8.13

[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: **2008**

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 ($)
Education & Promotion			$ -	0.00				
Residential Appliance Saturation Survey			$ -	0.00				
Fall 2006 Every Kilowatt Counts (EKC) Program			$ -	0.00				
Conservation Web Site (All Classes			$ -	0.00				
Decorative Lighting Efficiency			$ -	0.00				
Lighten Your Electricity Bill (Residential)			$ -	0.00				
Spring Every Kilowatt Counts (EKC) Program			$ -	0.00				
Energy Crunch Conservation Kits			$ -	0.00				
Low Income Housing Add-On to GCA Low Income Program			$ -	0.00				
Name of Program J			$ -	0.00				
***Totals App. B - Residential**	$ -	$ -	$ -	0.00	0	0	0	$ -
Residential Indirect Costs not attributable to any specific program →								
Total Residential TRC Costs		$ -						
****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				
***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 ($)
Streetlight Conversion			$ -	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 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**	$ -	$ -	$ -	0.00	0	0	0	$ -
Institutional Indirect Costs not attributable to any specific program →								
Total TRC Costs		$ -						
****Totals TRC - Institutional**	**$ -**	**$ -**	**$ -**	**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 ($)
Industrial Energy Audit			$ -	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	$ -
Industrial Indirect Costs not attributable to any specific program →								
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.

	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	$ -
Agricultural Indirect Costs not attributable to any specific program →								
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.

	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	$ -
LDC System Indirect Costs not attributable to any specific program →								
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 ($)
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 - Other #1**	$ -	$ -	$ -	0.00	0	0	0	$ -
Other #1 Indirect Costs not attributable to any specific program →								
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 ($)
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 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 - Other #2**	$ -	$ -	$ -	0.00	0	0	0	$ -
Other #2 Indirect Costs not attributable to any specific program →								
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**	$ -	$ -	$ -	0.00	$ -	$ -	$ -	$ -
*Any **other** Indirect Costs not attributable to any specific program* →								
TOTAL ALL LDC COSTS		$ -						
****LDC' PORTFOLIO TRC**	$ -	$ -	$ -	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 section for each program)

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

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

Centre Wellington sponsored Conservation and Electrical School Safety presentations to 5 local schools in 2007. In previous years Centre Wellington initiated a project to educate customers on some energy conservation ideas. We had half price admission tickets to "An Inconvenient Truth" at a local theatre. We also presented a couple of evening sessions explaining the benefits of smart metering and use of low energy lighting. We advertised in two local papers. We also purchased moniters to help customers understand consumption for different appliances and purchased movies "An Inconvenient Truth" and "What happened to the Electric Car" to lend to customers.

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 (years):	0.00		
Number of participants/units 05&06	300		
Number of Participants or units delivered life-to-date	300.00		

B.

TRC Results:	**Reporting Year**	**Total 05&06 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -		$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 3,219.00	$ 11,211.45	$ 14,430.45
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ 3,219.00	$ 11,211.45	$ 14,430.45
Net TRC (in year CDN $):	-$ 3,219.00	-$ 11,211.45	-$ 14,430.45
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 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
			Total 05&06 Lifecycle / *05&06 Annual*

Other resources saved :

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

Metric (specify):

D.

Program Costs*:		**Reporting Year**	**Total 05&06 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ 3,219.00		$ 3,219.00
	Incremental O&M:	$ -	$ 11,211.45	$ 11,211.45
	Incentive:	$ -		$ -
	Total:	$ 3,219.00	$ 11,211.45	$ 14,430.45
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 3,219.00	11,211.45	14,430.45

Appendix B - Discussion of the Program

(complete this section for each program)

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

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

In 2007 Programable Thermostats were provided as part of an energy saving program. In previous years Centre Wellington had a staff member perform energy audits for industrial customers to aid and sugest how to conserve energy and save money.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:			
Efficient technology:			
Number of participants or units delivered:			
Measure life (years):	0.00		
Number of participants or units 2005			
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):	$ 1,067.39	$ 3,447.73	$ 4,515.12
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ 1,067.39	$ 3,447.73	$ 4,515.12
Net TRC (in year CDN $):	-$ 1,067.39	-$ 3,447.73	-$ 4,515.12
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 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
			2005/2006 Lifecycle	*2005/2006 Annual*

Other resources saved :

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

D.

Program Costs*:		**Reporting Year**	**20052006 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
Includes Measure's Cost - ensure full cost of measure entered in TRC!L15	*Incremental O&M:*	$ 1,067.39	$ 3,447.73	$ 4,515.12
	Incentive:			$ -
	Total:	$ 1,067.39	$ 3,447.73	$ 4,515.12
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 1,067.39	3,447.73	4,515.12

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Residential Appliance Saturation Survey

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

As part of the CHEC group Centre Wellington participated in a Residential Appliance Survey.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:			
Efficient technology:			
Number of participants or units delivered:			
Measure life (years):	0.00		
Number of participants or units 2005			
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):	$ -	$ 1,000.00	$ 1,000.00
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ -	$ 1,000.00	$ 1,000.00
Net TRC (in year CDN $):	$ -	-$ 1,000.00	-$ 1,000.00
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 Summer Demand (kW) 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

D.

Program Costs*:		**Reporting Year**	**2005/2006 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
Includes Measure's Cost - ensure full cost of measure entered in TRC!L15	*Incremental O&M:*	$ -	$ 1,000.00	$ 1,000.00
	Incentive:			$ -
	Total:	$ -	$ 1,000.00	$ 1,000.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	1,000.00	1,000.00

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Fall 2006 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
Base case technology:	0	0.00	0.00	0.00	0.00	0.00
Efficient technology:	CFLs	LED Christmas Lights	able Thermostats, heat	pStat Baseboard	Dimmer	Motion Sensor
Number of participants or units delivered:	0.00	0.00	0.00	0.00	0.00	0.00
Measure life (years):	4.00	30.00	18.00	18.00	10.00	20.00
Number of participants or units 05/06	3638	1852	55	2	39	16
Number of Participants or units delivered life-to-date	3,638.00	1,852.00	55.00	2.00	39.00	16.00

B.

TRC Results:	**Reporting Year**	**2005/2006 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*		$ 165,605.06	$ 165,605.06
[2] *Measure's Costs ($):*			
Utility program cost (less incentives):	$ -		$ -
Participant cost:		$ 13,280.43	$ 13,280.43
Total TRC costs:	$ -	$ 13,280.43	$ 13,280.43
Net TRC (in year CDN $):	$0.00	$ 152,324.63	$ 152,324.63
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ 12.47	$ 12.47

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):

		Report Summer Demand (kW)
Summer		
Winter		0.00

	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	3524255.66	429334.25
			2005 Lifecycle	*2005 Annual*
			3524255.66	429334.25

Other resources saved :

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

D.

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Conservation Web Site (All Classes

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

Members of the CHEC group and their customers share a common conservation WEB Page. Customers have a location where they can find information and links to a wide variety of conservation initiatives, programs and technologies.

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 (years):	0.00		
Number of participants/units 05&06			
Number of Participants or units delivered life-to-date	0.00		

B.

TRC Results:	**Reporting Year**	**Total 05&06 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -		$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 2,667.60	$ 2,839.15	$ 5,506.75
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ 2,667.60	$ 2,839.15	$ 5,506.75
Net TRC (in year CDN $):	-$ 2,667.60	-$ 2,839.15	-$ 5,506.75
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	$ -	$ -

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	0 / 0
			Total 05&06 Lifecycle / *05&06 Annual*

Other resources saved :

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

D.

Program Costs*:		**Reporting Year**	**Total 05&06 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*			$ -
	Incremental O&M:	$ 2,667.60	$ 2,839.15	$ 5,506.75
	Incentive:	$ -		$ -
	Total:	$ 2,667.60	$ 2,839.15	$ 5,506.75
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 2,667.60	2,839.15	5,506.75

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Decorative Lighting Efficiency

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

Replace seasonal incandescent lighting to LED lighting

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	candescent Decorative Lighting		
Efficient technology:	LED Decorative Lighting		
Number of participants or units delivered:			
Measure life (years):	30.00		
Number of participants or units 2005	102		
Number of Participants or units delivered life-to-date	102.00		

B.

TRC Results:	**Reporting Year**	**2005 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*		$ 1,520.65	$ 1,520.65
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -	$ 79.80	$ 79.80
Incremental Measure Costs (Equipment Costs)		$ 114.00	$ 114.00
Total TRC costs:	$ -	$ 193.80	$ 193.80
Net TRC (in year CDN $):	$ -	$ 1,326.85	$ 1,326.85
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ 7.85	$ 7.85

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	0.47		
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):			54816.7	1827.2
			2005 Lifecycle	*2005 Annual*
			54816.7	1827.2

Other resources saved :

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

D.

Program Costs*:		**Reporting Year**	**2005 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
Includes Measure's Cost - ensure full cost of measure entered in TRC!L15	*Incremental O&M:*		$ 2,586.69	$ 2,586.69
	Incentive:	$ -		$ -
	Total:	$ -	$ 2,586.69	$ 2,586.69
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	2,586.69	2,586.69

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Lighten Your Electricity Bill (Residential)

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

Centre Wellington Hydro participated in a coupon campaign with Canadian Tire. Energyshop.com was engaged to design, deliver and track the program. Customers were provided with a bill insert containing energy-savings coupons. Customers had until December 31, 2005 to redeem their point of purchase coupons at any local Canadian Tire outlet. Canadian Tire sent the coupon to a redemption house, who then sorted by utility and product. This program helped increase public awareness of energy conservation and demand management, as well as contribute to the overall development of an energy conservation culture in Ontario.The program results showed a significant increase in total sales of the targetted products accross the province.

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 (years):	0.00		
Number of participants or units 2005	495		
Number of Participants or units delivered life-to-date	495.00		

B.

TRC Results:	**Reporting Year**	**2005 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -	$ 38,459.00	$ 38,459.00
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -	$ 1,713.00	$ 1,713.00
Incremental Measure Costs (Equipment Costs)	$ -	$ 4,579.00	$ 4,579.00
Total TRC costs:	$ -	$ 6,292.00	$ 6,292.00
Net TRC (in year CDN $):	$ -	$ 32,167.00	$ 32,167.00
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ 6.11	$ 6.11

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	6.26	Report Summer Demand (kW) 6.26
	Winter	0.00	
	lifecycle	*in year*	*Cumulative Lifecycle* / *Cumulative Annual Savings*
Energy saved (kWh):	*0.00*	0.00	845356.98 / 83927.5
			2005 Lifecycle / *2005 Annual*
			845356.98 / 83927.5

Other resources saved :

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

D.

Program Costs*:		**Reporting Year**	**2005 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
Includes Measure's Cost - ensure full cost of measure entered in TRC!L15	*Incremental O&M:*	$ -	$ 1,713.00	$ 1,713.00
	Incentive:	$ -	$ 2,827.00	$ 2,827.00
	Total:	$ -	$ 4,540.00	$ 4,540.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	4,540.00	4,540.00

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
Base case technology:	0	0.00	0.00	0.00
Efficient technology:	CFLs	Ceiling Fans	Timers	Progr. Thermostats
Number of participants or units delivered:				
Measure life (years):	4.00	20.00	20.00	18.00
Number of participants or units 2005	1572	24	38	13
Number of Participants or units delivered life-to-date	1,572.00	24.00	38.00	13.00

B. **TRC Results:**

	Reporting Year	2005/2006 TRC Results	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ -	$ 44,930.26	$ 44,930.26
[2] *Measure's Costs ($):*			
Utility program cost (less incentives):	$ -		$ -
Participant cost:		$ 5,265.00	$ 5,265.00
Total TRC costs:	$ -	$ 5,265.00	$ 5,265.00
Net TRC (in year CDN $):	$0.00	$ 39,665.26	$ 39,665.26
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	$ 8.53	$ 8.53

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

Conservation Programs:

			Cumulative Results:	
Demand savings (kW):	*Summer*		Report Summer Demand (kW)	
	Winter	0.00	0.00	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):			820345.14	159040.39
			2005 Lifecycle	*2005 Annual*
			820345.14	159040.39
Other resources saved :				
Natural Gas (m3):	0	0		
Water (l)	0	0		

D. **Program Costs*:**

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Energy Crunch Conservation Kits

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

Purchased Conservation Kits to provide to customers through various venues. Provided kits through school programs and community events. Kit contains three CFL's, Duplex Plug caps & weather stripping.

Measure(s):

	Measure 1	Measure 2	Measure 3	Measure 4
Base case technology:	Incandescent bulb	0.00	0.00	0.00
Efficient technology:	CFL	0.00	0.00	0.00
Number of participants or units delivered:	1,000.00	500.00	0.00	0.00
Measure life (months):	51.72	51.72	0.00	0.00
Number of participants/units 05&06				
Number of Participants or units delivered life-to-date	1,000.00	500.00	0.00	0.00

B.

TRC Results:	**Reporting Year**	**Total 05&06 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	*$ 38,674.05*		$ 38,674.05
[2] *Measure's Costs ($):*			
Utility program cost (less incentives):	$ -		$ -
Incremental Measure Costs (Equipment Costs)	$ 3,375.00		$ 3,375.00
Total TRC costs:	$ 3,375.00	$ -	$ 3,375.00
Net TRC (in year CDN $):	$35,299.05	$ -	$ 35,299.05
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	11.46	#DIV/0!	$ 11.46

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	0.00	Report Winter Demand (kW)	
	Winter	32.63	32.63	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*652,500.00*	151,380.00	652500	151380
			Total 05&06 Lifecycle	*05&06 Annual*

Other resources saved :

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

D.

Program Costs*:			**Total 05&06 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ 7,770.00	$ -	$ 7,770.00
	Incentive:	$ -		$ -
	Total:	$ 7,770.00	$ -	$ 7,770.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 7,770.00	-	7,770.00

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Low Income Housing Add-On to GCA Low Income Program

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

Center Wellington entered into an agreement with Green Communities to provide additional measures for electric heat houses that qualified for the GCA Low Income Program sponsored by the OPA. The measures were in addition to those provided by the base pro

Measure(s):

	Measure 1	Measure 2	Measure 3	Measure 4
Base case technology:	Below R-32	Below R 32	Old Refrigerator	0.00
Efficient technology:	To R-32 in Attic	To R32 In Attic	EnergyStar Refrigerator	0.00
Number of participants or units delivered:	1.00	1.00	1.00	0.00
Measure life (years):	25.00	25.00	9.00	0.00
Number of participants/units 05&06				
Number of Participants or units delivered life-to-date	1.00	1.00	1.00	0.00

B. **TRC Results:**

	Reporting Year	Total 05&06 TRC Results	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ 2,600.34		$ 2,600.34
[2] *Measure's Costs ($):*			
Utility program cost (less incentives):	$ 499.20		$ 499.20
Participant cost:	$ 2,748.60		$ 2,748.60
Total TRC costs:	$ 3,247.80	$ -	$ 3,247.80
Net TRC (in year CDN $):	-$647.46	$ -	-$ 647.46
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.80	#DIV/0!	$ 0.80

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	0.16	Report Summer Demand (kW)
	Winter	2.13	0.16

	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*67,470.30*	3,152.70	67470.3	3152.7
			Total 05&06 Lifecycle	*05&06 Annual*

Other resources saved :

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

D. **Program Costs*:**

			Total 05&06 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ 3,873.76		$ 3,873.76
	Incentive:	$ -		$ -
	Total:	$ 3,873.76	$ -	$ 3,873.76
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 3,873.76	-	3,873.76

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Streetlight Conversion

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

In 2006 replaced 5 existing streetlights with HPS. Saved 766 kWh on an annual basis for all 5. In 2007 replaced 35 units saving a total of 10,380 kWh annually.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Mercury Vapour		
Efficient technology:	High Pressure Sodium		
Number of participants or units delivered:	35.00		
Measure life (years):	20.00		
Number of participants or units 2005	5		
Number of Participants or units delivered life-to-date	40.00		

B.

TRC Results:	**Reporting Year**	**2005/2006 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	*$ 5,834.42*	$ 430.56	$ 6,264.98
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 10,121.00	$ 3,891.97	$ 14,012.97
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ 10,121.00	$ 3,891.97	$ 14,012.97
Net TRC (in year CDN $):	-$ 4,286.58	-$ 3,461.41	-$ 7,747.99
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.58	$ 0.11	$ 0.45

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	0.00	Report Summer Demand (kW)	
	Winter	9.36	0.00	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*186,840.00*	9,342.00	200628	10031.4
			05/06 Lifecycle	*05/06 Annual*
			13788	689.4

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

D.

Program Costs*:		**Reporting Year**	**2005/2006 Costs**	**Cumlative Life to Date**
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
Includes Measure's Cost - ensure full cost of measure entered in TRC!L15	*Incremental O&M:*	$ 10,121.00	$ 5,448.76	$ 15,569.76
	Incentive:	$ -		$ -
	Total:	$ 10,121.00	$ 5,448.76	$ 15,569.76
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 10,121.00	5,448.76	15,569.76