Cornerstone Hydro Electric Concepts Association Inc.

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

Conservation and Demand Management
2006 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 2006. 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 the CHEC group worked both individually and collectively to delivery CD&M programs. 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.

In 2006 the level of activity varied significantly from member to member dependent on their remaining funds, resources and opportunities. Individual LDC activity level ranged from only being involved in "provincially led" initiatives to the development and delivery of a wide variety of programs. From a review of the programs it is interesting to note how opportunities, partnerships and delivery have matured at different rates in the different service territories.

Within the 16 utilities there have been a total of 104 initiatives worked on in 2006. As in the first year the initiatives represent projects specific to individual utilities and projects that are cooperative efforts between utilities or agencies (the OPA EKC Programs for example). While there were 104 initiatives included in the reporting many of the reports contained a number of separate activities joined in one Appendix B.

After the initial year where much of the ground work for future programs was started, one would expect that the majority of programs would be driving a positive TRC. On the population of 104 initiatives, 43% had a positive TRC. This low percentage of initiatives with a positive TRC indicates that many initiatives continued to focus on education, studies to prepare customers for

continued energy conservation and partnership building in the second year of the CDM program.

With the activity and experience gained in 2006 the CDM industry is moving towards the final year of third tranche funding and towards the new funding model. While the funding method will change the fundamental knowledge gained in delivering two years of CDM programming has proven and will continue to prove invaluable as programs continue to be offered to residential, commercial and industrial customers across the province.

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 2006 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

3.0 Evaluation of the CDM Plan:

Total Portfolio: The 16 CHEC members collectively undertook a total of 104 initiatives. These programs fell within three categories:

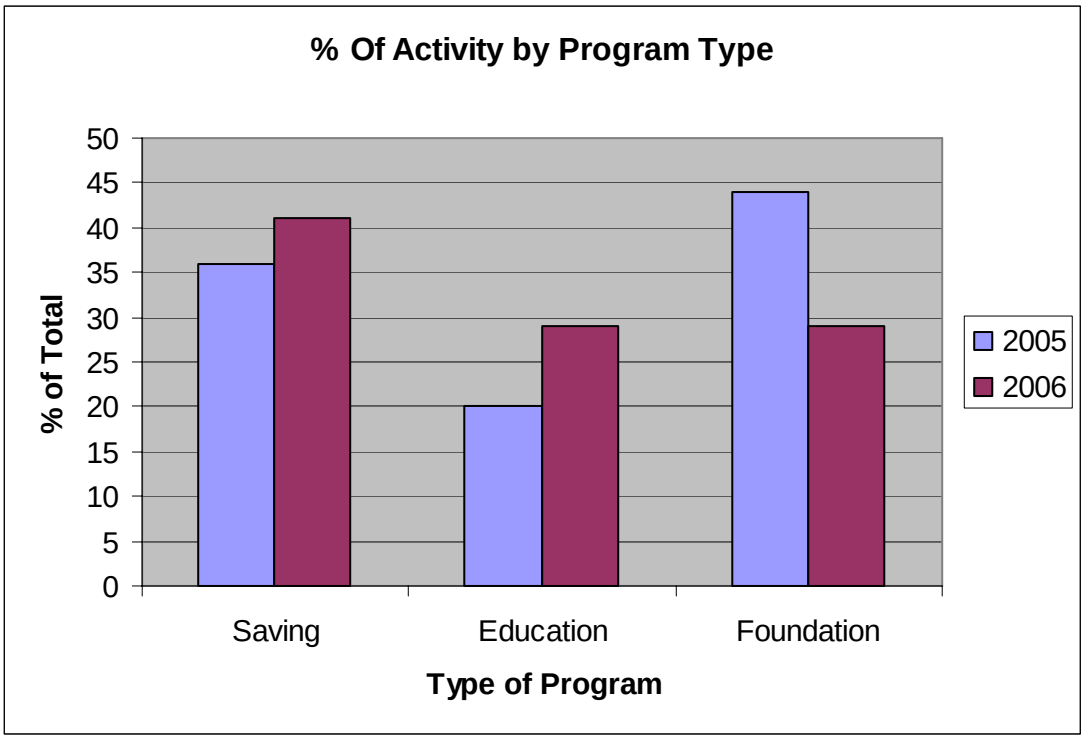
- Savings: Delivery of energy saving products or processes: coupons, rebates, free products, etc.
- Education: Providing general energy management information through such activities as: website development, workshops, brochures, etc,
- Foundation: Preparatory work for future programs that include: program research and development, energy audits, system studies, demonstration projects, partnerships, etc. This is a category that one might have expected to see reduced activity however it continues to be a major component.

The 2006 initiatives represent a total energy savings (lifecycle) of 129,330,000 kWh at a combined “Utility Cost” of $1,185,000 or approximately 1 c/kWh. This low cost of energy saved was achieved while continuing the education and foundation building programs. To put the energy savings in perspective the 129 Million kWh represent the annual energy required by 10,700 homes (at 1000

kWh/month). Comparing this to incandescent bulbs the energy saved is equivalent to removing approximately 1.5 Million, 60 W incandescent bulbs operating 4 hours per day for a year.

Figure 1 illustrates the change in program makeup from 2005 to 2006. The percentage of programs focused on "saving" and "education" have increased while the number of foundation" programs have decreased. The reduced focus on "foundation" programs in the second year is to be expected as the program mature and initiatives move from planning to delivery thereby increasing the number of "savings" and 'education' initiatives. Many "foundation" programs continue into the third year and will form the basis for conservation activities beyond third tranche by both utilities and their partners.

Figure 1



While the Figure provides a general breakdown it should be noted that there are many education programs that are now incorporating savings into the deliverables. The ability to incorporate savings and education provides an immediate conservation benefit, a positive TRC for the program and sets the stage for continued customer interest in conservation in the future.

Savings Programs: Programs were initiated both at the local and provincial level. Key to the 2006 results was the active participation of CHEC members in the OPA Every Kilowatt Counts programs. These programs in many instances provided a "savings" and "education" program that members could support without depleting their third tranche funding.

On the local level savings programs focused on local partnerships and delivery channels. Projects like municipal traffic light conversion built on the existing relationship with the municipality, provided benefits to the entire community and once installed ensured that the technology would remain in place once the benefits of lower cost and maintenance were recognized.

The use of product incentives and give-a-ways continued to play a significant role in the local programming. Capitalizing on the ability to participate in local events the provision of energy efficient product was a direct method of demonstrating the technology to the customer.

System optimization projects continue to be included in the portfolio. Nine initiatives focused on either completing the studies associated with system optimization or the implementation of field changes. System optimization continues to be an area for potential savings.

Education Programs: LDC's started to see opportunities to partner with others to provide programs into the education system. CHEC members along with other utilities in the service territory of Boards of Education are funding the development of programs for delivery in the schools. During 2006 third party providers (in many instances not-for-profits) made approaches to members for support and delivery of programs. As the conservation culture continues to develop the resources to provide this type of education will most likely continue to increase. The third tranche funding and the LDCs interest in partnering have helped this process.

Members have also been active in supporting education programs for the commercial and industrial sector. The challenge to date has been evaluating the results of this training. In most cases the proof of success is mostly anecdotal where mention is made of actions taken as a result of the training without any firm data. For this reason most education initiatives in this sector do not show a positive TRC.

Foundation Program: Many of the "foundation" type programs underway during 2006 were aimed at providing information to partners for further action. The CHEC members have actively supported alternate energy initiatives with a number of projects specific to these types of initiatives. The support provided at this stage, on the local level, can be pivotal on the success of future activities by community based groups.

In 2005 the "foundation" programs included initiatives such as: system optimization studies, smart meter preparation, customer audits and demonstration projects. In 2006 the increase in "education" and "savings" programs in some instances were the results of the 2005 foundation work. 2005 work on system optimization was a critical precursor to the project implementation in 2006 (and

2007). In some instances the full studies will only be completed in 2007 with the impact of implementation only being taken beyond the third tranche time frame.

Net TRC Results: The net TRC result of the combined CHEC CDM activity for 2006 is $3,800,000 up from $500,000 in 2005. The increase in TRC indicates the development of the industry over the first year resulting in deliverables in the second year.

Part of the development of the CDM industry was the provincial EKC programs – a program that built on the experience gained from the 2005 program coordinated by Energyshop.com and subscribed by a number of CHEC members. The involvement of CHEC members in the EKC programs resulted in 86% of the TRC results for member LDCs. The benefits of combining local support in wider based programs are clearly demonstrated by the success of these programs.

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:

Application of TRC: 2005 was the introduction to the TRC tool. While the tool can be used to evaluate programs to ensure a positive TRC result in many instances the 2006 programs were set prior to experience with the tool.

The principles of TRC are generally easy to understand: energy efficiency case vs base case. However the mechanics of determining the details of the evaluation can be quite complex depending on the application. CHEC members spent considerable time ensuring the assumptions and discounted costs were properly applied. In many instances the experience of one member was utilized to assist others within the group.

One of the greatest challenges with TRC remains the carryover of familiarity with its use. While the second year of applying the TRC was a bit more familiar the application is still a challenge as the use of the tool tends to occur in discreet measures (ie to do the Annual Report).

Funding: CHEC members in general have funds for continued programs in 2007 (with a few exceptions). With the advent of provincial programs the ability to stretch the third tranche funding has occurred. Hence the need for additional funding based on the LDCs plan can, to a large extent, be avoided until the LDCs Funding through the OPA is available.

Partnerships and Sharing: The ability to partner has increased in year two of the CDM Funding. Not-for-Profit Agencies, municipalities, local groups etc. have become aware of potential for partnering and have either approached members or have been very positive to LDC initiatives. It is anticipated that the ability to partner with a wide variety of groups within our communities should continue to grow. As such, it will be an important aspect of program delivery that the LDC community will need to broach with the OPA through 2008 and beyond.

The sharing of experience and insights by CHEC members is on-going. In 2006 CHEC members had the opportunity to participate in the development of the CDM industry structure for moving forward. The perspective brought by smaller participants helps to ensure the success of program delivery across the entire province in both large and small communities.

Customer Readiness: The results of the 2006 programs highlights that the conservation message is starting to be understood and that residential customers will take action.

In 2007 and beyond programs will need to reach beyond the compact fluorescent light to clearly demonstrate to customers that they have a wide variety of opportunities. There may be additional challenges to overcome to move these messages forward as the cost to implement and the payback may not be as favourable.

While programs have been successful with residential customers more work is required to make inroads into the commercial and industrial sector. These sectors continue to be difficult to get actively engaged. Future programs will need to take into account the customer's limited resources, long lead times, and provide demonstrated value of conservation to their business. Experience is showing that in this sector, the progression from initial discussion, to decision, to action is slow and methodical.

Utility Resources: Utilities continue to utilize internal resources for much of the CDM work as it is integrated into the systems of the LDC. CDM calls received, the manager's time to promote CDM, the accountant's time to record and report, are all functions immersed in the activities of existing positions. The ability to manage these requirements as the industry moves forward will need to be addressed by LDCs.

6.0 Conclusion:

The second year of CDM delivered a significant increase in the kWhs saved and continues to set the stage for on-going development of the CDM industry.

LDCs continue to support CDM and the involvement at the local level. CHEC members through their local programs, involvement in provincial programs and participation in the design of the industry continue to demonstrate their support for CDM, for the provincial initiative and their customers.

7.0 Appendices:

Goderich Hydro Conservation & Demand Side Management Annual Report

March 22, 2007

By: Lynda Rotteau

Introduction

This report - filed on March 22, 2007 - is a summary of Goderich Hydro's Conservation and Demand Management (CDM) projects for the period of January 1, 2006 to December 31, 2006. This time period represents the second year of Goderich Hydro's three year CDM plan.

During year two of participation in the CDM program we spent much of the year waiting on approval from the Energy Board to reallocate our funding. Due to this fact there was less accomplished than planned.

The programs we did offer were well received and utilized. The Energy Star program was very popular with a $50 rebate for new window installation.

Evaluation

Energy Star Rebate Program

Energy Star Rebate Program was utilized to the full extent of the budgeted amount. Although this $50 rebate is a small portion of the cost of a window it does encourage people to ensure that their new windows meet the standards required to save energy. It is calculated that the TRC Benefit from this program is $28,294.23

Commercial Energy Efficiency Rebate Program

New LED Exit signs were purchased for use in all Municipal buildings and will be utilized as older style bulbs burn out. The estimated TRC benefit is $7604.44 over the life of the bulbs. We are trying to lead by example and promote this style of lighting to our commercial customers.

Energy Conservation Web Site

No work was done in 2006 on the Energy Conservation Web Site.

Portfolio Costs

There was no one in the Environmental position from August to December of 2006 so the costs were minimal and absorbed in the general Goderich Hydro budget.

Voluntary Black Out Day

The Mayor of Goderich Delbert Shewfelt picked up the conservation challenge issued by Woodstock Ontario to participate in a "Voluntary Blackout Day" aimed at reducing energy use in Goderich by 4% on August 13th

Lessons Learned

Energy Star Rebate Program

This program is the most popular and reaches the most customers. In 2007 we will be offering rebates for the purchase of Energy Star Air Conditioners and Dehumidifiers.

Energy Conservation Web Site

In 2007 we will utilize the remainder of our funding to enhance the web site.

Education and Promotion

The remaining funding will be used for billing inserts encouraging our customers to utilize coupons received through the Every Kilowatt Counts Campaign.

Light Bulb Giveaway/Timers

Coupons for this program will be available in 2007 at local retailers to reduce the cost of these products.

Street Light Retrofit

In 2007 new LED street lights are being installed on one of our streets that has been monitored for hydro use in 2006. At the end of the year a cost saving will be analyzed and over time other street lights will be upgraded.

Conclusion

During year two of Goderich Hydro's CDM plan, we had many challenges with waiting for the Energy Board approval for the first six months and loosing the employee in charge for the last six months. It is hoped that 2007 will be more productive. Goderich Hydro will fulfill its obligation to complete the program and are also participating in the Every Kilowatt Counts Spring Campaign.

With regards to project penetration, this report highlights two methods that should be repeated in the future. The combination of bill inserts and financial incentives were extremely instrumental in encouraging customer uptake.

Overall, year two CDM projects forged several valuable contacts and partnerships. Projects also encouraged a strong teamwork ethic amongst staff from Goderich Hydro and the Town of Goderich.

Membership in CHEC was instrumental in developing and maintaining these bonds. In particular, Goderich Hydro looks forward to feedback from fellow CHEC members.

Combined, our year two reports are an invaluable source of information and support that will ensure a sound foundation for future projects

In year three the lessons learned will be utilized to ensure that our customers are receiving the incentive and education necessary to become a conserver community.

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 2006	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System	[4] Smart Meters	Other #1	Other #2
Net TRC value ($):	*20176.34895*	**$ 23,819**	**$ 19,842**	**$ 3,977**	**$ -**	**$ -**	**$ -**	**$ -**		**$ -**	**$ -**
Benefit to cost ratio:	*1.72*	2.97	3.35	2.10	0.00	0.00	0.00	0.00		0.00	0.00
Number of participants or units delivered:	*2,996*	*2,618*	2,582	36	0	0	0	0		0	0
Lifecycle (kWh) Savings:	*1300955.875*	1,027,457	835,001	192,456	0	0	0	0		0	0
Report Year Total kWh saved (kWh):	*68329.283*	41,064	33,400	7,664	0	0	0	0		0	0
Total peak demand saved (kW):	*33.95*	28	27	1	0	0	0	0		0	0
Total kWh saved as a percentage of total kWh delivered (%):	*0.13%*	0.16%	0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Peak kW saved as a percentage of LDC peak kW load (%):		0%	0%	0%	0%	0%	0%	0%		0%	0%
[1] *Report Year Gross C&DM expenditures ($):*	*21233.32*	$ 6,952	$ 6,403	$ 549	$ -	$ -	$ -	$ -	$ -	$ -	$ -
[2] *Expenditures per KWh saved ($/kWh):*	0.016	0.007	0.008	$ 0.00	$ -	$ -	$ -	$ -		$ -	$ -
[3] *Expenditures per KW saved ($/kW):*		$ 251.54	$ 239.24	$ 628.01	$ -	$ -	$ -	$ -		$ -	$ -

Utility discount rate (%):	8.56

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

Appendix C - Program and Portfolio Totals

Report Year:

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 ($)
Energy Conservation Website	$ -	$ -	$ -	0.00	0	0	0	$ -
Coupon Program - 2005 Lighten You	$ -	$ 1,300	-$ 1,300	0.00	0	0	0	$ 1,300
EnergyStar Window Rebate Program	$ 28,294	$ 6,150	$ 22,144	4.60	33,400	835,001	27	$ 4,100
Residential Energy Efficiency Project	$ -	$ 11	-$ 11	0.00	0	0	0	$ 11
Voluntary Black Out Day	$ -	$ 992	-$ 992	0.00	0	0	0	$ 992
Name of Program F			$ -	0.00				
Name of Program G			$ -	0.00				
Name of Program H			$ -	0.00				
Name of Program I			$ -	0.00				
Name of Program J			$ -	0.00				
***Totals App. B - Residential**	$ 28,294	$ 8,453	$ 19,842	3.35	33,400	835,001	27	$ 6,403
Residential Indirect Costs not attributable to any specific program	→	$ -		*Total Residential kWh Delivered in 2006*		26323311		
Total Residential TRC Costs		$ 8,453			Residential Peak in 2006 in kW		37,420	
****Totals TRC - Residential**	**$ 28,294**	**$ 8,453**	**$ 19,842**	**3.35**				

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 ($)
Commercial Energy Efficiency Rebat	$ 7,604	$ 3,627	$ 3,977	2.10	7,663	192,456	1	$ 549
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 -**	$ 7,604	$ 3,627	$ 3,977	2.10	7,664	192,456	1	$ 549
Commercial Indirect Costs not attributable to any specific program	→			*Total Commercial kWh Delivered in 2006*				
Total TRC Costs		$ 3,627			Commercial Peak in 2006 in kW		37,420	
****Totals TRC - Commercial**	**$ 7,604**	**$ 3,627**	**$ 3,977**	**2.10**				

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 ($)
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	$ -
Institutional Indirect Costs not attributable to any specific program	→			*Total Institutional kWh Delivered in 2006*				
Total TRC Costs		$ -			Institutional Peak in 2006 in kW		37,420	
****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 ($)
Name of Program A			$ -	0.00				
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 -**	$ -	$ -	$ -	0.00	0	0	0	$ -
Industrial Indirect Costs not attributable to any specific program	→			*Total Industrial kWh Delivered in 2006*				
Total TRC Costs		$ -			Industrial Peak in 2006 in kW		37,420	
****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 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 2006*				
Total TRC Costs		$ -			Agricultural Peak in 2006 in kW		37,420	
****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 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 2006*				
Total TRC Costs		$ -			LDC Peak in 2006 in kW		37,420	
****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 ($)
Goderich Hydro CDM Portfolio Costs	$ -	$ -	$ -	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	$ -
Other #1 Indirect Costs not attributable to any specific program				*Total Other kWh Delivered in 2006*				
Total TRC Costs		$ -			"Other" Peak in 2006 in kW		37,420	
****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 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	$ -
Other #2 Indirect Costs not attributable to any specific program				*Total Other kWh Delivered in 2006*				
Total TRC Costs		$ -			"Other" Peak in 2006 in kW		37,420	
****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**	$ 35,899	$ 12,080	$ 23,819	2.97	$ 41,064	$ 1,027,457	$ 28	$ 6,952
*Any **other** Indirect Costs not attributable to any specific program*				*Total kWh Delivered in 2006*		26323311		
TOTAL ALL LDC COSTS		$ 12,080			Total Peak in 2006 in kW		37,420	
****LDC' PORTFOLIO TRC**	$ 35,899	$ 12,080	$ 23,819	2.97				
				Total kWh Delivered in 2005		27719548		

* 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:** Goderich Hydro CDM Portfolio Costs

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

Portfolio cost include expenditures not specific to a CDM Project. 2005 costs only. 2006 costs included in projects.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	0		
Efficient technology:	0		
Number of participants or units delivered:	0.00	N/A	N/A
Measure life (years):	0.00		
Number of participants or units 2005	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):	$ -	$ 4,800.01	$ 4,800.01
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ -	$ 4,800.01	$ 4,800.01
Net TRC (in year CDN $):	$ -	-$ 4,800.01	-$ 4,800.01
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ -	$ -

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

Conservation Programs:

			Cumulative Results:	
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:

	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:*	$ -		$ -
Includes Measure's Cost - ensure full cost of measure entered in TRC!L15	*Incremental O&M:*	$ -	$ 4,800.01	$ 4,800.01
	Incentive:	$ -		$ -
	Total:	$ -	$ 4,800.01	$ 4,800.01
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	4,800.01	4,800.01

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:** Energy Conservation Website

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

The intent of this program is to create an active conservation culture. Using economies of scale the website costs are shared with others of the CHEC group. The CHEC website was completed 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	N/A	N/A
Measure life (years):	0.00		
Number of participants or units 2005	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):	$ -	$ 1,622.05	$ 1,622.05
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ -	$ 1,622.05	$ 1,622.05
Net TRC (in year CDN $):	$ -	-$ 1,622.05	-$ 1,622.05
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ -	$ -

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

Conservation Programs:

			Cumulative Results:	
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:

	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:*	$ -		$ -
Error: Choose Measure's cost paid by:	*Incremental O&M:*	$ -	$ 1,622.05	$ 1,622.05
	Incentive:	$ -		$ -
	Total:	$ -	$ 1,622.05	$ 1,622.05
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	1,622.05	1,622.05

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:** Commercial Energy Efficiency Rebate Program

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

Purchase of 36 LED Exit kits for installation in municipal buildings.

Measure(s):

	Measure 1	Measure 2	Measure 3	Measure 4
Base case technology:	Old Exit Sign	0.00	0.00	0.00
Efficient technology:	New LED Exist Sign	0.00	0.00	0.00
Number of participants or units delivered:	36.00	0.00	0.00	0.00
Measure life (years):	25.11	0.00	0.00	0.00
Number of participants or units 2005				
Number of Participants or units delivered life-to-date	36.00	0.00	0.00	0.00

B. **TRC Results:**

	Reporting Year	2005 TRC Results	Life-to-date TRC Results:
TRC Benefits ($):	$ 7,604.44		$ 7,604.44
Measure's Costs ($):			
Utility program cost (less incentives):	$ 549.38		$ 549.38
Incremental Measure Costs (Equipment Costs)	$ 3,078.00		$ 3,078.00
Total TRC costs:	$ 3,627.38	$ -	$ 3,627.38
Net TRC (in year CDN $):	$3,977.06	$ -	$ 3,977.06
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	2.10	#DIV/0!	$ 2.10

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	0.83	Report Winter Demand (kW)	
	Winter	0.87	0.83	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*192,456.00*	7,663.25	192456	7663.248
			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*:**

			2005 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
Error Choose Measures Cost Paid By on TRC2	*Incremental O&M:*	$ 549.38		$ 549.38
	Incentive:	$ -		$ -
	Total:	$ 549.38	$ -	$ 549.38
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 549.38	-	549.38

E. Assumptions & Comments:

[1] net present value per unit benefit specified in the TRC Guide.

[2] 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:** Coupon Program - 2005 Lighten Your Electricity Bill

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

2005 Coupon Program offering rebates to residential customers on a range of energy efficient technologies. Final costs received 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	N/A	N/A
Measure life (years):	0.00		
Number of participants or units 2005	329		
Number of Participants or units delivered life-to-date	329.00		

B. **TRC Results:**

	Reporting Year	2005 TRC Results	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ -	$ 12,335.00	$ 12,335.00
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 1,299.68	$ 2,134.23	$ 3,433.91
Incremental Measure Costs (Equipment Costs)	$ -	$ 1,452.00	$ 1,452.00
Total TRC costs:	$ 1,299.68	$ 3,586.23	$ 4,885.91
Net TRC (in year CDN $):	-$ 1,299.68	$ 8,748.77	$ 7,449.09
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	$ 3.44	$ 2.52

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

Conservation Programs:

			Cumulative Results:	
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	273499	27266
			2005 Lifecycle	*2005 Annual*
			273499	27266

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:*	$ -		$ -
Error: Choose Measure's cost paid by:	*Incremental O&M:*	$ 1,299.68	$ 1,192.23	$ 2,491.91
	Incentive:	$ -	$ 942.00	$ 942.00
	Total:	$ 1,299.68	$ 2,134.23	$ 3,433.91
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 1,299.68	2,134.23	3,433.91

E. Assumptions & Comments:

[1] units times the net present value per unit b

[2] 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:** EnergyStar Window Rebate Program

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

To provide a $50 rebate per EnergyStar window installed.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Single or double window		
Efficient technology:	EnergyStar rated window		
Number of participants or units delivered:	82.00	N/A	N/A
Measure life (years):	25.00		
Number of participants or units 2005			
Number of Participants or units delivered life-to-date	82.00		

B. **TRC Results:**

	Reporting Year	2005 TRC Results	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	*$ 28,294.23*	$ -	$ 28,294.23
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -		$ -
Incremental Measure Costs (Equipment Costs)	$ 6,150.00		$ 6,150.00
Total TRC costs:	$ 6,150.00	$ -	$ 6,150.00
Net TRC (in year CDN $):	$ 22,144.23	$ -	$ 22,144.23
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	4.60	#DIV/0!	$ 4.60

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	0.00	Report Winter Demand (kW)	
	Winter	26.76	26.76	
	lifecycle	*in year*	*Cumulative Lifecycle*	*Cumulative Annual Savings*
Energy saved (kWh):	*835,000.88*	33,400.04	835000.875	33400.035
			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:*	$ -		$ -
	0 *Incremental O&M:*	$ -		$ -
	Incentive:	$ 4,100.00		$ 4,100.00
	Total:	$ 4,100.00	$ -	$ 4,100.00
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 4,100.00	-	4,100.00

E. Assumptions & Comments:

The OEB Assumptions were changed for this measure. The incentive was to encourage the installation of EnergyStar windows rather than the installation of standard windows. The incentive would not have caused the customer to "change their windows" hence only the incremental cost should be utilized. The incremental cost was assumed at $100 per window and the free rider rate was raised to 25% recognizing a higher acceptance and availability of EnergyStar windows.

[1] units times the net present value per unit b

[2] 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:** Residential Energy Efficiency Project (REE)

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

2005 Project - Consultants performed EnerGuide Home Evaluations. Goderich Hydro provided $50 rebate.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	0		
Efficient technology:	0		
Number of participants or units delivered:	0.00	N/A	N/A
Measure life (years):	0.00		
Number of participants or units 2005	47		
Number of Participants or units delivered life-to-date	47.00		

B.

TRC Results:	**Reporting Year**	**2005 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -	$ -	$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 10.57	$ 1,739.00	$ 1,749.57
Incremental Measure Costs (Equipment Costs)	$ -	$ 4,230.00	$ 4,230.00
Total TRC costs:	$ 10.57	$ 5,969.00	$ 5,979.57
Net TRC (in year CDN $):	-$ 10.57	-$ 5,969.00	-$ 5,979.57
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	0.00	$ -	$ -

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

Conservation Programs:

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

Cumulative Results:

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:*	$ -		$ -
Error: Choose Measure's cost paid by:	*Incremental O&M:*	$ 10.57	$ 1,739.00	$ 1,749.57
	Incentive:	$ -	$ 2,350.00	$ 2,350.00
	Total:	$ 10.57	$ 4,089.00	$ 4,099.57
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 10.57	4,089.00	4,099.57

E. Assumptions & Comments:

[1] units times the net present value per unit b

[2] 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 Meters Project

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

2005 Project: Goderich Hydro planned to offer Smart Meters to residential 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	N/A	N/A
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 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -	$ -	$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ -	$ 1,636.36	$ 1,636.36
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ -	$ 1,636.36	$ 1,636.36
Net TRC (in year CDN $):	$ -	-$ 1,636.36	-$ 1,636.36
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	#DIV/0!	$ -	$ -

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

Conservation Programs:

			Cumulative Results:	
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 Costs	Cumlative Life to Date
Utility direct costs ($):	*Incremental capital:*	$ -		$ -
Error: Choose Measure's cost paid by:	*Incremental O&M:*	$ -	$ 1,636.36	$ 1,636.36
	Incentive:	$ -		$ -
	Total:	$ -	$ 1,636.36	$ 1,636.36
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ -	1,636.36	1,636.36

E. Assumptions & Comments:

Net TRC adjusted by 1636 for Smart Metering change in reporting per OEB

[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:** Voluntary Black Out Day

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

Combined effort of utilities to profile the importance of energy and the ability to reduce by sponsoring a voluntary black out day.

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:	2,500.00		
Measure life (months):	0.00		
Number of participants or units 2005			
Number of Participants or units delivered life-to-date	2,500.00		

B.

TRC Results:	**Reporting Year**	**2005 TRC Results**	**Life-to-date TRC Results:**
[1] *TRC Benefits ($):*	$ -		$ -
[2] *TRC Costs ($):*			
Utility program cost (less incentives):	$ 992.40		$ 992.40
Incremental Measure Costs (Equipment Costs)	$ -		$ -
Total TRC costs:	$ 992.40	$ -	$ 992.40
Net TRC (in year CDN $):	-$ 992.40	$ -	-$ 992.40
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*	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 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:*	$ 992.40		$ 992.40
	Incentive:	$ -		$ -
	Total:	$ 992.40	$ -	$ 992.40
Utility indirect costs ($):	*Incremental capital:*	$ -		$ -
	Incremental O&M:	$ -		$ -
	Total:	$ -	$ -	$ -
Total Utility Cost of Program		$ 992.40	-	992.40

E. **Assumptions & Comments:**

Advertised to community and promoted locally.

[1] units times the net present value per unit b

[2] component of the TRC costs. However, payments made