



Cornerstone Hydro Electric Concepts Association Inc.

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

Conservation and Demand Management 2007 Annual Report

1.0 Introduction:

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

Consistent with CHEC members' cooperative effort to seek approval of their CDM plans as a combined group, the Annual Report reflects their commitment to work together to provide cost effective programs and to share and learn from each other's experience. In 2006 one LDC had exhausted their third tranche funding and continued to support the conservation effort by participating in the OPA programs. In 2007 five LDCs completed their third tranche expenditures with three others very close to completing their plans. Eight CHEC members requested extensions on their programs to facilitate completion of the plan.

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

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

On the population of 84 initiatives, 37% had a positive TRC. Many initiatives continued to focus on education, studies to prepare customers for continued energy conservation and of course continuation of the partnerships that were started in the first years of the CDM program.

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

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

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

2.0 CHEC Members:

The 2007 Annual Report on Conservation and Demand Management Activities of the following utilities are included in this report:

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

Where a LDC had completed the program in 2007 their numbers are restated to maintain the completeness of the report.

3.0 Evaluation of the CDM Plan:

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

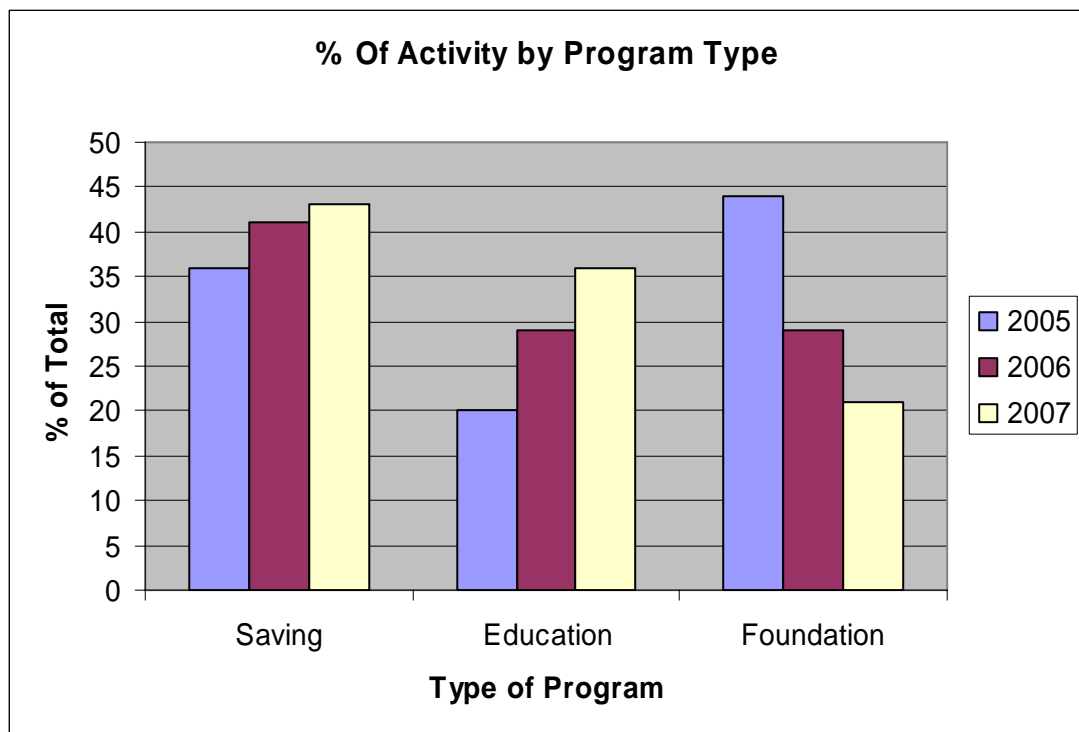
- Savings: Delivery of energy saving products or processes: coupons, rebates, free products, etc.
- Education: Providing general energy management information through such activities as: website development, workshops, brochures, school programs, etc,
- Foundation: Preparatory work for future programs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

The 2007 initiatives represent a total energy savings (lifecycle) of 35,848,000 kWh at a combined “Utility Cost” of \$1,176,700 or approximately 3.2 c/kWh. This cost of energy saved was achieved while continuing the education and foundation building programs. To put the energy savings in perspective 35.8 Million kWh represents the annual energy required by 2,983 homes (at 1000 kWh/month).

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

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

Figure 1



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

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

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

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

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

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

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

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

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

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

4.0 Discussion of Programs:

The individual program discussions from each utility are included in the following sections of this report. These discussions provide the individual utility perspective on the programs as offered in their service territory. The complete Annual CDM Report for each utility is included in the appendices.

5.0 Lessons Learned:

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

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

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

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

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

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

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

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

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

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

6.0 Conclusion:

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

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

7.0 Appendices:

Appendix 1 Summary of CHEC Appendix A's page 8

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

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



Westario Power Inc.

24 Eastridge Road
RR 2 Walkerton, ON N0G 2V0
Tel: 519-507-6937
Fax: 519-507-6887

To: Guy Cluff, P. Eng.
President/CEO

From: Patrick Protomanni, P. Eng.
Manager System Reliability

Re: **2007 Conservation and Demand Management (CDM) Summary Report**

1.0 Introduction:

This report provides a summary of the 2007 activity on the conservation and demand management program.

Appendix A from the Ontario Energy Board reporting package has also been included. This Appendix summarizes the Total Resource Costs (TRC), program costs by customer type and the kWh saved by the programs. The Appendix A as presented with this report is for the 2007 activity only. For reporting to the OEB the activity of 2005 and 2006 will be added.

2.0 2007 Activity and Results Overview:

In 2007 a total of twenty (20) different projects were undertaken to meet the requirements of the CDM Plan. The overall expenditure was \$475,690 for the delivery of the programs. The programs provided either technology or information to over 23,000 individuals. In addition to these numbers would be the customers who either heard the information provided in the radio advertising or noted the conservation message in newspaper advertising related to the programs.

The overall TRC Benefit for the 20 programs was \$644,000 with a Net TRC value of \$247,425. TRC is the deferred cost to the electrical system as a result of taking action to conserve. Over the lifetime of the technology provided through the programs it is estimated that 10,722,820 kWh will be saved.

Throughout the programs the benefit of education has been difficult to measure as the results can occur sometime after the delivery of the information. To help to drive conservation, in most education program some form of conservation device was provided.

3.0 Program Focus:

While the details of the program are contained in the table the following provides an oversight of the focus in the different sections.

3.1 School Programs:

In the 2007 program year there was a concerted focus on students in the service area. A total of six programs involved the schools, which in general were very responsive to the programs. The programs started to build on themselves and encouraged continued involvement throughout the year.

3.1.1 Program Descriptions:

The Dearness Environmental Society, which was contracted to deliver a school program, formed a good basis for a relationship with the school throughout the year. As support to

this program a second environmental fund raiser was offered to schools and also a refrigerator replacement program. These programs were well received and comments were made with respect to the quality of the Dearness staff and the excellent support from Westario Power for the schools conservation initiatives. Through these programs the “conservation champions” at the various schools could be identified.

Westario Power continued the support to Saugeen District Secondary insulating paint experiment with the provision of meters on the portables to facilitate measurements of energy used. Also the CDM program provided the opportunity to demonstrate energy conservation at the Wingham Public School open house.

3.1.2 Program Discussion:

The education programs have by far, had the best feedback. The school administration, educators and support staff have praised the professionalism and knowledge of the Dearness group. The teachers were able to incorporate energy conservation program into their curriculum, and the children responded positively to the teaching and enjoyed the learning environment. Westario Power’s third-tranche CDM programs are concluding, and the educators are looking for another source to provide the energy conservation programs to the school children. Westario Power **highly recommends** that the Ministry of Energy, and the Ontario Power Authority find ways to continue to fund this kind of in class, hands-on conservation program for school children. These children are our future, and can only put into practice what we teach and demonstrate to them.

3.2 Commercial and Industrial Customers:

The focus with this customer class was to provide opportunities to learn more about how to make their operations more energy efficient. A number of seminars were provided and held in the local area. The goal was to provide the opportunity to attend the sessions with the least inconvenience to the attendees.

Small commercial customers were offered a free audit and installation of sample product to assist with their conservation. The sample products will illustrate to the store owner the benefits of the new technology and encourage continued and expanded use.

3.2.1 Program Descriptions:

For the larger customers an NRCan Workshop was held. Normally this workshop is held in central locations with a registration fee of several hundred dollars. By hosting the workshop in partnership with NRCan the costs were lower with a registration fee of only \$50 per attendee. Each attendee also received a recording Watts-Up Meter as part of the program enhancement from Westario Power.

The large industrial and commercial customers were also offered an Utilismart Workshop to better understand the information that interval metering could provide them. In addition for customers using compressed air systems a “compressed air audit” was offered.

For smaller commercial customers a workshop offering through the Chamber of Commerce was arranged. In addition Small Commercial Audits were offered to interested businesses. It proved difficult to get large numbers of attendees and the workshops only ran in four of the six locations. The Small Commercial Audits did however meet the goal of providing 100 audits to local businesses.

3.2.2 Program Discussion:

Eleven large users attended the NRCan Workshop. Input was received from these customers on additional opportunities. NRCan presenters were well received.

The Utilismart Workshop provided the customer the ability to access their usage information to assist the customers in their load management programs. This was well received and the benefit was well praised.

Response to participate to the Small Commercial Seminars was rather underwhelming. While we did receive some participation, the event organizers found a certain level of disinterest, and this seemed to vary from town to town. It is unclear to Westario Power and the local Chambers why the small commercial customers should show such lack of interest.

The energy audits provided to small commercial customers were a success. In most instances appointments to attend the business were made, however the auditors did also do some cold calls to businesses in close proximity to the locations with appointments. Over 100 businesses participated and help raise conservation awareness in the business place.

3.3 Institutions Including Municipalities:

Programs in this category were directed at agencies and organizations funded through tax base. Municipalities were offered incentives to convert old technology traffic signals, and Social Housing Agencies were offered incentives to upgrade old technology refrigerators.

3.3.1 Program Descriptions:

A conversion program for replacing incandescent traffic lights with LED traffic lights was successfully delivered. Fourteen intersections were converted as a result of the program. In addition to receiving a \$2,000 rebate on the cost of the initial installation the municipalities will benefit from lower energy costs and also reduced re-lamping costs.

Social Housing Agencies were offered a refrigerator replacement program to remove older high energy use refrigerators. It was initially anticipated that EnergyStar refrigerators would be provided however the smaller sizes of refrigerators have not been EnergyStar rated. Two models with low consumption were offered with a 50% rebate to a maximum of \$250. A total of 232 units were replaced as a result of the program.

As part of this program the Housing Agencies were also offered the Environmental Action Kits for in-suit use. The Agencies were very responsive to this offer with 700 kits (2,800 bulbs) being provided. The staffs of the agencies were installing the CFLs in the units to ensure that the Agencies received the benefits of the lower energy use.

3.3.2 Program Discussion:

Four municipalities responded to the LED Traffic Signal conversion incentive. However, the two municipalities had undertaken an LED traffic signal conversion program in the past and so response was lower than expected. Nevertheless one town converted all (seven locations) incandescent signals to LED.

Social Housing refrigerator replacement program was taken up by three Counties. Compact florescent bulbs were also provided and these were installed in the units. The initial request for bulbs was later increased by the Social Housing Agencies as more opportunities to install the energy efficient bulbs were found.

3.4 Residential Customers:

Residential customers were offered a rebate on the purchase of "qualified" EnergyStar Appliances. A compact florescent bulb distribution program was launched. Load energy monitors were placed in local libraries allowing patrons to borrow a load monitor for use in their homes to find the energy usage. Home energy audits for Low Income Housing were planned in conjunction with an OPA program.

3.4.1 Program Descriptions:

The largest program in the residential sector was the EnergyStar Appliance Rebate which offered a 15% rebate to a maximum of \$50 for the purchase of select EnergyStar appliances. The appliances included in the program were; front and top loading washers, refrigerators, dishwashers and window air conditioners.

A total of 470 applications for appliance rebates were received with 428 meeting the requirements. The program provided advertising in the local newspapers and also in-store support material. The message with respect to the EnergyStar rating and the benefits were reinforced by the program and the staff at the local distributors. The program did not include freezers because of very low TRC values. This did cause some problems if the list of applicable appliances were not reviewed prior to purchase.

Project Porchlight, the delivery of a CFL to a majority of homes in the service territory, was undertaken. The project which was initiated by the Ontario Power Authority was not planned to distribute CFLs in all of the communities served by Westario Power. Through the CDM funding an additional 5,800 CFLs and their delivery was arranged resulting in coverage throughout the service territory.

Load monitors were made available through library branches and in Wellington County by the municipal office in Minto. The Kill-A-Watt meter measures the energy use of appliances and can also be used to find phantom loads (loads consuming energy while they appear to be off). Support material was provided to the distribution locations and the availability of the units was advertised in the local newspapers.

An on-line survey was developed to get feedback from the individuals using the meters. All the respondents indicated that the information was useful and about half indicated that they would be able to reduce their energy use. To increase the interest in the survey a free Environmental Action Kit was offered for completion of the survey. Of the 17 respondents only three actually registered for a kit.

A low income audit program was undertaken with the Green Communities Group which was under contract to complete audits for the Ontario Power Authority. Westario Power offered enhanced measures, such as insulation or EnergyStar appliances for qualified homes. The program was specific to electric heat homes and an up-set income level. The program, due to the specific requirements for qualifying did not reach the expected volume of installations. One item of note was that many of the homes, as they were constructed to the Gold Medallion standard (which was an electric heat program of the past) were found to have an insulation level that did not justify any additional insulation.

4.0 Conclusion:

The 2007 CDM Program, by its very concise nature resulted in a significant level of activity across all customer sectors. The program activity helped create and reinforce a conservation culture in the Westario Power service territory.

The results of the programs, especially the education elements should continue to encourage conservation and the associated energy savings into the future.

Respectfully,

Patrick Protomanni, P. Eng.
Manager, System Reliability

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 |
|--|---|----------------|-------------|-------------|---------------|-------------|--------------|------------|---------------------------|-------------|----------|
| <i>Net TRC value (\$):</i> | 840,207.10 | \$ 247,425 | \$ 277,994 | \$ (13,946) | \$ 52,770 | \$ (52,443) | \$ - | \$ - | | \$ (16,950) | \$ - |
| <i>Benefit to cost ratio:</i> | 2.66 | 1.62 | 2.40 | 0.70 | 1.64 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| <i>Number of participants or units delivered:</i> | 54,724 | 23,306 | 17,938 | 1,023 | 4,324 | 21 | 0 | 0 | | 0 | 0 |
| <i>Lifecycle (kWh) Savings:</i> | 25,053,514.25 | 10,722,820 | 8,018,032 | 423,729 | 2,281,059 | 0 | 0 | 0 | | 0 | 0 |
| <i>Report Year Total kWh saved (kWh):</i> | 4,409,982.00 | 2,247,188 | 1,603,961 | 163,691 | 479,536 | 0 | 0 | 0 | | 0 | 0 |
| <i>Total peak demand saved (kW):</i> | | 468 | 341 | 37 | 90 | 0 | 0 | 0 | | 0 | 0 |
| <i>Total kWh saved as a percentage of total kWh delivered (%):</i> | 0.94% | 0.48% | 0.75% | 0.21% | | 0.00% | | | | | |
| <i>Peak kW saved as a percentage of LDC peak kW load (%):</i> | | 0.52% | 0.38% | 0.04% | 0.10% | 0.00% | 0.00% | 0.00% | | 0.00% | 0.00% |
| ¹ <i>Report Year Gross C&DM expenditures (\$):</i> | 619,866.08 | \$ 475,690 | \$ 202,602 | \$ 46,576 | \$ 157,118 | \$ 52,443 | \$ - | \$ - | \$ - | \$ 16,950 | \$ - |
| ² <i>Expenditures per kWh saved (\$/kWh):</i> | \$ 0.02 | \$ 0.04 | \$ 0.03 | \$ 0.11 | \$ 0.07 | \$ - | \$ - | \$ - | | \$ - | \$ - |
| ³ <i>Expenditures per kW saved (\$/kW):</i> | | \$ 1,016.17 | \$ 593.78 | \$ 1,273.03 | \$ 1,739.45 | \$ - | \$ - | \$ - | | \$ - | \$ - |
| <i>Utility discount rate (%):</i> | 8.57 | | | | | | | | | | |

¹ Expenditures are reported on accrual basis.

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

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

⁴ Please report spending related to 3rd tranche of MARR funding only. TRC calculations are not required for Smart Meters. Only actual expenditures for the year need to be reported.

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

Appendix C - Program and Portfolio Totals

Report Year: 2007

1. Residential Programs

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

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

| | TRC Benefits | | \$ Net TRC Benefits | Benefit/Cost Ratio | Report Year | Lifecycle | Total Peak Demand (kW) Saved | Report Year Gross C&DM Expenditures (\$) |
|---|-------------------|-------------------|---------------------|--------------------|---|------------------|------------------------------|--|
| | (PV) | TRC Costs (PV) | | | Total kWh Saved | | | |
| EnergyStar Appliance Rebate Progra | \$ 67,282 | \$ 65,915 | \$ 1,367 | 1.02 | 77,941 | 1,140,201 | 6 | \$ 42,314 |
| CFL Technology Exchange | \$ 140,044 | \$ 16,454 | \$ 123,590 | 8.51 | 542,337 | 2,337,660 | 117 | \$ 23,380 |
| Energy Efficiency Fund Raiser | \$ 65,897 | \$ 11,984 | \$ 53,913 | 5.50 | 255,195 | 1,099,980 | 55 | \$ 7,095 |
| Load Monitor Loaner Program | \$ - | \$ 12,692 | \$ -12,692 | 0.00 | 0 | 0 | 0 | \$ 12,692 |
| REEP Audits and Low Income Housin | \$ 4,620 | \$ 6,631 | \$ -2,011 | 0.70 | 6,305 | 134,941 | 4 | \$ 12,775 |
| Project Porchlight | \$ 75,487 | \$ 14,835 | \$ 60,652 | 5.09 | 351,202 | 1,211,040 | 76 | \$ 20,490 |
| 2005 Lighten Your Electricity Bill Prog | \$ - | \$ - | \$ - | 0.00 | 0 | 0 | 0 | \$ - |
| Customer Survey 2006 | \$ - | \$ - | \$ - | 0.00 | 0 | 0 | 0 | \$ - |
| promotion and education | \$ - | \$ - | \$ - | 0.00 | 0 | 0 | 0 | \$ - |
| conservation website | \$ - | \$ - | \$ - | 0.00 | 0 | 0 | 0 | \$ - |
| Fall EKC Program | \$ - | \$ - | \$ - | 0.00 | 0 | 0 | 0 | \$ - |
| Spring Every Kilowatt Counts (EKC) I | \$ - | \$ - | \$ - | 0.00 | 0 | 0 | 1 | \$ - |
| Social Housing Project | \$ 122,241 | \$ 62,667 | \$ 59,573 | 1.95 | 369,836 | 2,087,678 | 82 | \$ 77,067 |
| Miscellaneous Expositions | \$ 342 | \$ 6,741 | \$ -6,399 | 0.05 | 1,145 | 6,532 | 0 | \$ 6,789 |
| Name of Program J | | | \$ - | 0.00 | | | | |
| *Totals App. B - Residential | \$ 475,913 | \$ 197,919 | \$ 277,994 | 2.40 | 1,603,961 | 8,018,032 | 341 | \$ 202,602 |
| Residential Indirect Costs not attributable to any specific program | | \$ - | | | Total Residential kWh Delivered in 2007 | | 212,989,867.00 | |
| Total Residential TRC Costs | | \$ 197,919 | | | System Peak in 2007 | | 90,200 | |
| **Totals TRC - Residential | \$ 475,913 | \$ 197,919 | \$ 277,994 | 2.40 | | | | |

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 | | \$ Net TRC Benefits | Benefit/Cost Ratio | Report Year | Lifecycle | Total Peak Demand (kW) Saved | Report Year Gross C&DM Expenditures (\$) |
|--|------------------|------------------|---------------------|--------------------|--|----------------|------------------------------|--|
| | (PV) | TRC Costs (PV) | | | Total kWh Saved | | | |
| Small Commercial Audits | \$ 30,476 | \$ 34,730 | \$ -4,254 | 0.88 | 154,423 | 376,101 | 35 | \$ 33,979 |
| Small Commercial Workshops | \$ 2,803 | \$ 12,495 | \$ -9,692 | 0.22 | 9,267 | 47,628 | 2 | \$ 12,597 |
| 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 - | \$ 33,279 | \$ 47,225 | \$ -13,946 | 0.70 | 163,691 | 423,729 | 37 | \$ 46,576 |
| Commercial Indirect Costs not attributable to any specific program | | | | | Total Commercial kWh Delivered in 2007 | | 76,314,108.00 | |
| Total TRC Costs | | \$ 47,225 | | | System Peak in 2007 | | 90,200 | |
| **Totals TRC - Commercial | \$ 33,279 | \$ 47,225 | \$ -13,946 | 0.70 | | | | |

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 | | \$ Net TRC Benefits | Benefit/Cost Ratio | Report Year | Lifecycle | Total Peak Demand (kW) Saved | Report Year Gross C&DM Expenditures (\$) |
|--|-------------------|------------------|---------------------|--------------------|-----------------|------------------|------------------------------|--|
| | (PV) | TRC Costs (PV) | | | Total kWh Saved | | | |
| Conversion of Traffic Lights - complet | \$ 42,735 | \$ 32,136 | \$ 10,599 | -1.33 | 137,817 | 689,087 | 16 | \$ 33,116 |
| Municipal Seasonal LEDs | \$ 2,919 | \$ 2,558 | \$ 361 | 1.14 | 3,469 | 104,067 | 2 | \$ 4,522 |
| Demonstration Project - Insulative Pa | \$ - | \$ 5,631 | \$ -5,631 | 0.00 | 0 | 0 | 0 | \$ 5,631 |
| Replace Existing Fridge with EnergyS | \$ 3,464 | \$ 6,566 | \$ -3,101 | 0.53 | 6,383 | 57,445 | 2 | \$ 10,186 |
| School Program - Dearness Environn | \$ 85,696 | \$ 99,425 | \$ -13,730 | 0.86 | 331,867 | 1,430,460 | 72 | \$ 103,664 |
| 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 - | \$ 134,813 | \$ 82,043 | \$ 52,770 | 1.64 | 479,536 | 2,281,059 | 90 | \$ 157,118 |

Institutional Indirect Costs not attributable to any specific program

| | | | | | | |
|-------------------------------------|----|---------|----|--------|---|--------|
| | | | | | Total Institutional kWh Delivered in 2007 | |
| Total TRC Costs | \$ | 82,043 | | | System Peak in 2007 | 90,200 |
| **Totals TRC - Institutional | \$ | 134,813 | \$ | 82,043 | \$ | 52,770 |
| | | | | | | 1.64 |

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) | | \$ 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 (\$) |
|---|-------------------|-----------|---------------------|--------------------|--|-------------------------|------------------------------|--|
| | TRC Costs (PV) | | | | | | | |
| Compressed Air Audit | \$ - | \$ 16,601 | -\$ 16,601 | 0.00 | 0 | 0 | 0 | \$ 16,601 |
| Industrial Commercial Seminar | \$ - | \$ 19,061 | -\$ 19,061 | 0.00 | 0 | 0 | 0 | \$ 19,061 |
| Utilisart Metering Workshop | \$ - | \$ 15,492 | -\$ 15,492 | 0.00 | 0 | 0 | 0 | \$ 15,492 |
| Interval Meter Installation | \$ - | \$ 1,289 | -\$ 1,289 | 0.00 | 0 | 0 | 0 | \$ 1,289 |
| 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 - | \$ - | \$ 52,443 | -\$ 52,443 | 0.00 | 0 | 0 | 0 | \$ 52,443 |
| Institutional Indirect Costs not attributable to any specific program | | | | | Total Industrial kWh Delivered in 2007 | | 170,153,451.00 | |
| Total TRC Costs | \$ | 52,443 | | | System Peak in 2007 | | 90,200 | |
| **Totals TRC - Industrial | \$ | - | \$ | 52,443 | -\$ | 52,443 | | 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) | | \$ 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 (\$) |
|--|-------------------|------|---------------------|--------------------|--|-------------------------|------------------------------|--|
| | TRC Costs (PV) | | | | | | | |
| Name of Program A | | | \$ - | 0.00 | | | | |
| Name of Program B | | | \$ - | 0.00 | | | | |
| Name of Program C | | | \$ - | 0.00 | | | | |
| Name of Program D | | | \$ - | 0.00 | | | | |
| Name of Program E | | | \$ - | 0.00 | | | | |
| Name of Program F | | | \$ - | 0.00 | | | | |
| Name of Program G | | | \$ - | 0.00 | | | | |
| Name of Program H | | | \$ - | 0.00 | | | | |
| Name of Program I | | | \$ - | 0.00 | | | | |
| Name of Program J | | | \$ - | 0.00 | | | | |
| *Totals App. B - | \$ - | \$ - | \$ - | 0.00 | 0 | 0 | 0 | \$ - |
| Agricultural Indirect Costs not attributable to any specific program | | | | | Total Agricultural kWh Delivered in 2007 | | | |
| Total TRC Costs | \$ | - | | | System Peak in 2007 | | 90,200 | |
| **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) | | \$ 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 (\$) |
|--|-------------------|------|---------------------|--------------------|------------------------------------|-------------------------|------------------------------|--|
| | TRC Costs (PV) | | | | | | | |
| 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 2007 | | | |
| Total TRC Costs | \$ | - | | | System Peak in 2007 | | 90,200 | |

| | | | | |
|---------------------------|------|------|------|------|
| **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 (\$) |
|--|-------------------|----------------|---------------------|--------------------|-----------------------------------|-------------------------|------------------------------|--|
| Radio Conservation Messages | \$ - | \$ 16,950 | -\$ 16,950 | 0.00 | 0 | 0 | 0 | \$ 16,950 |
| 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 - | \$ - | \$ 16,950 | -\$ 16,950 | 0.00 | 0 | 0 | 0 | \$ 16,950 |
| Other #1 Indirect Costs not attributable to any specific program | | | | | Total Other kWh Delivered in 2007 | | | |
| Total TRC Costs | | \$ 16,950 | | | System Peak in 2007 | | 90,200 | |
| **Totals TRC - Other #1 | \$ - | \$ 16,950 | -\$ 16,950 | 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 2007 | | | |
| Total TRC Costs | | \$ - | | | System Peak in 2007 | | 90,200 | |
| **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 | \$ 644,005 | \$ 396,580 | \$ 247,425 | 1.62 | \$ 2,247,188 | \$ 10,722,820 | \$ 468 | \$ 475,690 |
| Any other Indirect Costs not attributable to any specific program | | | | | Total kWh Delivered in 2007 | | 470,506,019.00 | |
| TOTAL ALL LDC COSTS | | \$ 396,580 | | | System Peak in 2007 | | 90,200 | |
| **LDC' PORTFOLIO TRC | \$ 644,005 | \$ 396,580 | \$ 247,425 | 1.62 | | | | |
| | | | | | Total kWh Delivered 05/06 | | | |

* 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: EnergyStar Appliance Rebate Program

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

Westario Power offered a 15% rebate up to \$50 on EnergyStar appliances. The appliances included were: front loading clothes washer, top loading clothes washer, refrigerators, air conditioners and dishwashers. The program was advertised in the local press and in-store kits were provided for local merchants. The advertisements and merchant support assisted to highlight EnergyStar for these and other appliances.

Measure(s):

| | Measure 1 | Measure 2 | Measure 3 | Measure 4 | Measure 5 |
|--|------------------------------|--------------------|--------------------|----------------|-----------------------|
| Base case technology: | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| Efficient technology: | Front Loading Clothes Washer | Top Loading Washer | Energy Star Fridge | EnergyStar A/C | EnergyStar Dishwasher |
| Number of participants or units delivered: | 122.00 | 24.00 | 184.00 | 12.00 | 115.00 |
| Measure life (years): | 14.00 | 14.00 | 19.00 | 12.00 | 13.00 |
| Number of participants/units 05&06 | | | | | |
| Number of Participants or units delivered life-to-date | 122.00 | 24.00 | 184.00 | 12.00 | 115.00 |

| B. TRC Results: | Reporting Year | | Total 05&06 TRC Results | Life-to-date TRC Results: |
|---|---------------------------------|-------------------|-------------------------|---------------------------|
| | ¹ TRC Benefits (\$): | \$ | 67,282.43 | |
| ² Measure's Costs (\$): | | | | |
| Utility program cost (less incentives): | \$ | 19,464.44 | | \$ 19,464.44 |
| Participant cost: | \$ | 46,450.80 | | \$ 46,450.80 |
| Total TRC costs: | \$ | 65,915.24 | \$ - | \$ 65,915.24 |
| Net TRC (in year CDN \$): | | \$1,367.19 | \$ - | \$ 1,367.19 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | | 1.02 | #DIV/0! | 1.02 |

| C. Results: (one or more category may apply) | | | | Cumulative Results: | |
|---|-----------|------------|---------------------------|----------------------|---------------------------|
| Conservation Programs: | | | | | |
| Demand savings (kW): | Summer | 5.57 | Report Summer Demand (kW) | | |
| | Winter | 5.30 | 5.57 | | |
| | | | | Cumulative Lifecycle | Cumulative Annual Savings |
| Energy saved (kWh): | lifecycle | in year | 1140201.36 | 77941.44 | |
| | | | Total 05&06 Lifecycle | 05&06 Annual | |
| Other resources saved : | | | | | |
| Natural Gas (m3): | | 0 | | | |
| Water (l) | | 30,744,000 | | 2,196,000 | |
| Demand Management Programs: | | | | | |
| Controlled load (kW) | | | | | |
| Energy shifted On-peak to Mid-peak (kWh): | | | | | |
| Energy shifted On-peak to Off-peak (kWh): | | | | | |
| Energy shifted Mid-peak to Off-peak (kWh): | | | | | |
| Demand Response Programs: | | | | | |
| Dispatchable load (kW): | | | | | |
| Peak hours dispatched in year (hours): | | | | | |
| Power Factor Correction Programs: | | | | | |
| Amount of KVar installed (KVar): | | | | | |
| Distribution system power factor at beginning of year (%): | | | | | |
| Distribution system power factor at end of year (%): | | | | | |
| Line Loss Reduction Programs: | | | | | |
| Peak load savings (kW): | | | | | |
| | | 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):



| | | | Total 05&06 Costs | Cumulative Life to Date |
|--------------------------------------|----------------------|--------------|------------------------------|--------------------------------|
| D. Program Costs*: | | | | |
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ 19,464.44 | | \$ 19,464.44 |
| | Incentive: | \$ 22,850.00 | | \$ 22,850.00 |
| | Total: | \$ 42,314.44 | \$ - | \$ 42,314.44 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 42,314.44 | \$ - | \$ 42,314.44 |

E. Comments:



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

²

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** CFL Technology Exchange

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

The over order of the Environmental Action Kits provided opportunities to utilize the kits for other programs. This report outlines two initiatives: Second School Conservation Fund Raiser and distribution through local agencies to customers who may not be able to afford the CFLs. The School Program was in conjunction with the School Education and Fridge Program. The kits were provided to a class or club as an environmental project fund raiser. The class would keep the proceeds of the sale for the project. The second initiative was the distribution through community partners such as food banks and Church Groups for distribution to customers.

| | | | | |
|--|------------------------------------|------------------------|------|------|
| Base case technology: | Extended School Program - 60 W CFL | Community Partners 60W | 0.00 | 0.00 |
| Efficient technology: | 15 W CFL | 15 W CFL | 0.00 | 0.00 |
| Number of participants or units delivered: | 3,480.00 | 2,292.00 | 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 | 3,480.00 | 2,292.00 | 0.00 | 0.00 |

| TRC Results: | Reporting Year | Total 05&06 TRC Results | Life-to-date TRC Results: |
|---|-----------------------|------------------------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ 140,043.77 | | \$ 140,043.77 |
| ² Measure's Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 6,064.20 | | \$ 6,064.20 |
| Incremental Measure Costs (Equipment Costs) | \$ 10,389.60 | | \$ 10,389.60 |
| Total TRC costs: | \$ 16,453.80 | \$ - | \$ 16,453.80 |
| Net TRC (in year CDN \$): | \$123,589.97 | \$ - | \$ 123,589.97 |

Benefit to Cost Ratio (TRC Benefits/TRC Costs): 8.51 #DIV/0! \$ 8.51

| Results: (one or more category may apply) | | | Cumulative Results: | |
|--|--------------|------------|----------------------------|---------------------------|
| Conservation Programs: | | | | |
| Demand savings (kW): | Summer | 0.00 | Report Winter Demand (kW) | |
| | Winter | 116.88 | 116.88 | |
| Energy saved (kWh): | lifecycle | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| | 2,337,660.00 | 542,337.12 | 2337660 | 542337.12 |
| | | | Total 05&06 Lifecycle | Total 05&06 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 beginning of year (%): | | | | |
| Distribution system power factor at end of year (%): | | | | |
| Line Loss Reduction Programs: | | | | |
| Peak load savings (kW): | | | | |
| Energy savngs (kWh): | lifecycle | in year | | |
| | | | | |

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*: | | | Total 05&06 Costs | Cumulative Life to Date |
|--------------------------------------|----------------------|---------------------|------------------------------|--------------------------------|
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ 23,380.20 | | \$ 23,380.20 |
| | Incentive: | \$ - | | \$ - |
| | Total: | \$ 23,380.20 | \$ - | \$ 23,380.20 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 23,380.20 | \$ - | \$ 23,380.20 |

E. Assumptins & Comments:

Fund Raiser: A total of 870 kits were sold. The winning class received a Pizza Party as a reward for their efforts. This proved to be a very good initiative as it provided Conservation Champions with the opportunity to distribute the CFL and generate funds for a further conservation project in their school. Many good comments were received.

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Compressed Air Audit

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

Completed 8 Compressed Air Audits for industrial customers in the service territory. Audit to focus on efficiencies of the compressed air system, highlight the value of maintenance and provide return on investment for taking action to improve the efficiencies of the compressed air system. Program being completed early 2008

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|---|----------------------|---------------------------|---------------------------|
| <i>Base case technology:</i> | 0 | | |
| <i>Efficient technology:</i> | Compressed Air Audit | | |
| <i>Number of participants or units delivered:</i> | 0.00 | | |
| <i>Measure life (years):</i> | 0.00 | | |
| <i>Number of participants/units 05&06</i> | | | |
| <i>Number of Participants or units delivered life-to-date</i> | 0.00 | | |

| TRC Results: | Reporting Year | Total 05&06 TRC Results | Life-to-date TRC Results: |
|--|-----------------------|------------------------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ - | | \$ - |
| ² TRC Costs (\$): | | | |
| <i>Utility program cost (less incentives):</i> | \$ 16,600.88 | | \$ 16,600.88 |
| <i>Incremental Measure Costs (Equipment Costs)</i> | \$ - | | \$ - |
| <i>Total TRC costs:</i> | \$ 16,600.88 | \$ - | \$ 16,600.88 |
| <i>Net TRC (in year CDN \$):</i> | -\$ 16,600.88 | \$ - | -\$ 16,600.88 |
| <i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i> | 0.00 | #DIV/0! | \$ - |

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

Conservation Programs:

| <i>Demand savings (kW):</i> | <i>Summer</i> | <i>Winter</i> | Report Summer Demand (kW) | |
|-----------------------------|------------------|----------------|----------------------------------|----------------------------------|
| | 0.00 | 0.00 | 0.00 | |
| <i>Energy saved (kWh):</i> | <i>lifecycle</i> | <i>in year</i> | <i>Cumulative Lifecycle</i> | <i>Cumulative Annual Savings</i> |
| | 0.00 | 0.00 | 0 | 0 |
| | | | <i>Total 05&06 Lifecycle</i> | <i>Total 05&06 Annual</i> |
| | | | | |

Other resources saved :

| | | |
|--------------------------|---|---|
| <i>Natural Gas (m3):</i> | 0 | 0 |
| <i>Water (l)</i> | 0 | 0 |

Demand Management Programs:

| | |
|---|--|
| <i>Controlled load (kW)</i> | |
| <i>Energy shifted On-peak to Mid-peak (kWh):</i> | |
| <i>Energy shifted On-peak to Off-peak (kWh):</i> | |
| <i>Energy shifted Mid-peak to Off-peak (kWh):</i> | |

Demand Response Programs:

| | |
|---|--|
| <i>Dispatchable load (kW):</i> | |
| <i>Peak hours dispatched in year (hours):</i> | |

Power Factor Correction Programs:

| | |
|---|--|
| <i>Amount of KVar installed (KVar):</i> | |
|---|--|

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Energy Efficiency Fund Raiser

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

To promote the awareness of Earth Day and conservation a Conservation Action Kit was offered to schools as a fund raiser. The kit included four CFL's, dye tab to evaluate toilet leaks, water flow bag and an informatin booklet. Five schools participated and distributed a total of 672 kits. Cost of preparing kits shared with other programs. Raised awareness of technology.

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|-------------------------|---------------------------|---------------------------|
| Base case technology: | Incandescent Light Bulb | | |
| Efficient technology: | 15 W CFL | | |
| Number of participants or units delivered: | 2,716.00 | | |
| Measure life (months): | 51.72 | | |
| Number of participants or units 2005 | | | |
| Number of Participants or units delivered life-to-date | 2,716.00 | | |

| B. TRC Results: | Reporting Year | Total 05&06 TRC | Life-to-date TRC |
|---|---------------------|-----------------|---------------------|
| | | Results | Results: |
| ¹ TRC Benefits (\$): | \$ 65,897.24 | | \$ 65,897.24 |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 7,095.16 | | \$ 7,095.16 |
| Incremental Measure Costs (Equipment Costs) | \$ 4,888.80 | | \$ 4,888.80 |
| Total TRC costs: | \$ 11,983.96 | \$ - | \$ 11,983.96 |
| Net TRC (in year CDN \$): | \$ 53,913.28 | \$ - | \$ 53,913.28 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | 5.50 | #DIV/0! | \$ 5.50 |

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 |
| Energy saved (kWh): | lifecycle | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| | | 1,099,980.00 | 255,195.36 | 1099980 |
| | | | Total 05&06 Lifecycle | Total 05&06 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 beginning 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):

| | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|----------------------------------|----------------------------|-----------------------|------------------------------|--------------------------------|
| D. <u>Program Costs*:</u> | Utility direct costs (\$): | | | |
| | Incremental capital: | \$ - | | \$ - |
| | 0 Incremental O&M: | \$ 7,095.16 | | \$ 7,095.16 |
| | Incentive: | \$ - | | \$ - |
| | Total: | \$ 7,095.16 | \$ - | \$ 7,095.16 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 7,095.16 | \$ - | \$ 7,095.16 |

E. Assumptions & Comments:

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Industrial Commercial Seminar

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

Offered an NRCan Workshop to industrial & commercial customers in the Westario area. To facilitate attendance held workshop in central location. Contacted and invited 26 customers to attend. Eleven attendees were obtained from 7 industry. Partnered with NRCan to offer the the \$ to Sense Workshop which provided information to assist the industry with future conservation initiatives. The overall attendance was lower than anticipated. Offering a workshop in close proximity, multiple follow up and ease of registration was hoped to increase the attendance.

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: | 11.00 | | |
| Measure life (years): | 0.00 | | |
| Number of participants/units 05&06 | | | |
| Number of Participants or units delivered life-to-date | 11.00 | | |

| TRC Results: | Reporting Year | Total 05&06 TRC Results | Life-to-date TRC Results: |
|---|-----------------------|------------------------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ - | | \$ - |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 19,061.06 | | \$ 19,061.06 |
| Incremental Measure Costs (Equipment Costs) | \$ - | | \$ - |
| Total TRC costs: | \$ 19,061.06 | \$ - | \$ 19,061.06 |
| Net TRC (in year CDN \$): | -\$ 19,061.06 | \$ - | -\$ 19,061.06 |
| 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 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 | Total 05&06 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 beginning 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):

| | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|----------------------------------|--|-----------------------|------------------------------|--------------------------------|
| D. <u>Program Costs*:</u> | Utility direct costs (\$): | - | | - |
| | Includes Measure's Cost - ensure full cost of measure entered in TRCIL15 | | | |
| | Incremental capital: | 19,061.06 | | 19,061.06 |
| | Incremental O&M: | - | | - |
| | Incentive: | - | | - |
| | Total: | 19,061.06 | - | 19,061.06 |
| | Utility indirect costs (\$): | - | | - |
| | Incremental capital: | - | | - |
| | Incremental O&M: | - | | - |
| | Total: | - | - | - |
| | Total Utility Cost of Program | 19,061.06 | - | 19,061.06 |

E. Assumptions & Comments:

Attendees were contacted after the course to determine if there had been action taken and energy or demand saved. The comments indicated a raised awareness and some ideas but no firm action at that time. Watts Up meters were also provided to each attendee for use back in the plant. While the meter was geared to 120v equipment it was to encourage an awareness of the general consumption of all equipment in the plant and office.

¹ Benefits should be estimated if costs have been incurred and the technology has been deployed. Benefits reflect the present value of the measure for the number of units deployed in the year, i.e. the number of units times the net present value per unit 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: Conversion of Traffic Lights - complete intersections

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

An incentive was offered to municipalities for the change out of incandescent traffic lights. Four municipalities participated in the program changing a total of fourteen (14) intersections. In addition to the energy savings the additional savings which impacts on the discounted measures cost is the avoided cost of labour to change the incandescent lights.

| Measure(s): | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|---------------------------------|---------------------------|---------------------------|
| Base case technology: | andescent traffic control bulbs | | |
| Efficient technology: | LED Bulbs | | |
| Number of participants or units delivered: | 398.00 | | |
| Measure life (months): | 60.00 | | |
| Number of participants or units 2005: | | | |
| Number of Participants or units delivered life-to-date | 398.00 | | |

| TRC Results: | Reporting Year | Total 05&06 TRC | Life-to-date TRC |
|---|----------------|-----------------|------------------|
| | | Results | Results: |
| ¹ TRC Benefits (\$): | \$ 42,734.71 | | \$ 42,734.71 |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 5,116.78 | | \$ 5,116.78 |
| Incremental Measure Costs (Equipment Costs) | -\$ 37,252.80 | | -\$ 37,252.80 |
| Total TRC costs: | -\$ 32,136.02 | \$ - | -\$ 32,136.02 |
| Net TRC (in year CDN \$): | \$ 74,870.73 | \$ - | \$ 74,870.73 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | -1.33 | #DIV/0! | -\$ 1.33 |

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

| Conservation Programs: | | | Report Summer Demand (kW) | |
|------------------------|-----------|------------|---------------------------|---------------------------|
| Demand savings (kW): | Summer | 15.76 | 15.76 | |
| | Winter | 15.76 | | |
| Energy saved (kWh): | lifecycle | 689,087.25 | Cumulative Lifecycle | Cumulative Annual Savings |
| | in year | 137,817.45 | 689087.25 | 137817.45 |
| | | | Total 05&06 Lifecycle | Total 05&06 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 beginning of year (%): | | |
| Distribution system power factor at end of year (%): | | |

| Line Loss Reduction Programs: | | |
|-------------------------------|-----------|---------|
| Peak load savings (kW): | | |
| Energy savngs (kWh): | lifecycle | in year |

| 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): | | |

| | | Reporting Year | Total 05&06 Costs | Cumulative Life to Date |
|--------------------------------------|----------------------|---------------------|-------------------|-------------------------|
| D. Program Costs*: | | | | |
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ 5,116.78 | | \$ 5,116.78 |
| | Incentive: | \$ 27,999.30 | | \$ 27,999.30 |
| | Total: | \$ 33,116.08 | \$ - | \$ 33,116.08 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 33,116.08 | \$ - | \$ 33,116.08 |

E. Assumptions & Comments:



1 Benefits should be estimated if costs have been incurred and the technology has been deployed. Benefits reflect the present value of the measure for the number of units deployed in the year, i.e. the number of units times the net present value per unit benefit specified in the TRC Guide.
 2 For technologies which have not been deployed but for which the LDC has incurred costs, report only the TRC costs on a present value basis. Incentives (e.g. rebates) from the LDC to a customer are not a component of the TRC costs. However, payments made to a third party service provider to run an incentives program are program costs, and are to be included as TRC costs under the "Utility Program Costs" line.

On Peak and Off Peak Times

By entering an evenly split load into cell A15 the load is divided between the different Price Periods. Can be copied into Assumption Table

| Season | Winter (December to March) | | | Summer (June to September) | | | Winter (April, May, Oct, Nov) | | |
|--------------------------|-------------------------------|--------------------------------|-----------------------------------|----------------------------|-----------------------------|--------------------------------|-------------------------------|-----------------------------------|---------|
| | On Peak | Mid Peak | Off Peak | On Peak | Mid Peak | Off Peak | Mid Peak | Off Peak | |
| Price Period | On Peak | Mid Peak | Off Peak | On Peak | Mid Peak | Off Peak | Mid Peak | Off Peak | |
| Time of Day | 7 am to 11 am 5 pm to 8 pm | 11 am to 5 pm 8 pm to 10 pm | 10 pm to 7 am All weekend hrs. | 11pm to 5 pm | 7 am to 11 5 pm to 10 pm | 10 pm to 7 All weekend hrs. | 7am to 10 All weekend hrs. | 10 pm to 7 am All weekend hrs. | |
| # of Hours | 602 | 688 | 1614 | 522 | 783 | 1623 | 1305 | 1623 | 8760 |
| % of Annual Hours | 6.87% | 7.85% | 18.42% | 5.96% | 8.94% | 18.53% | 14.90% | 18.53% | 100.00% |
| Consistent Load | | | | | | | | | |
| 384.75 | 26.44 | 30.22 | 70.89 | 22.93 | 34.39 | 71.28 | 57.32 | 71.28 | 384.75 |

Source: Avoided Generation Cost Appendix C, OEB TRC Guide

Total load reduction is 153129 kWh
 Total lamps is 398
 kWh per lamp is 384.75

Discounted Cost of Measure

| | Incandescent Cost | LED |
|--------------------------------|--------------------|-----------|
| Cost of Bulb | \$ 5.00 | \$ 81.00 |
| Cost to install | \$ 40.00 | \$ 40.00 |
| Years between installs | 1 | 5 |
| Cost of Replacements over time | \$ 225.00 | \$ 121.00 |
| Discounted Measure Cost | \$ (104.00) | |

Cost of lamps 398 X \$81 = \$32238

| | |
|--------------------------------------|--------------|
| Contract to install 14 intersections | \$ 80,308.60 |
| Minus lamps (already added in TR - | \$ 32,238.00 |
| | \$ 48,070.60 |

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Load Monitor Loaner Program

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

Loaned Kill-A-Watt meters to customers through the local libraries and one municipal office. Advertised the availability of the meter, provided an instruction manual, summary of energy use of typical appliances and encouraged to find phantom loads. Advertised in local newspaper and provided counter advertising of the units. Utilized an on-line survey to get some feedback.

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|---|-------------------|---------------------------|---------------------------|
| <i>Base case technology:</i> | 0 | | |
| <i>Efficient technology:</i> | Kill-A-Watt Meter | | |
| <i>Number of participants or units delivered:</i> | 100.00 | | |
| <i>Measure life (months):</i> | 0.00 | | |
| <i>Number of participants or units 2005</i> | | | |
| <i>Number of Participants or units delivered life-to-date</i> | 100.00 | | |

| TRC Results: | Reporting Year | Total 05&06 TRC Results | Life-to-date TRC Results: |
|--|-----------------------|------------------------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ - | | \$ - |
| ² TRC Costs (\$): | | | |
| <i>Utility program cost (less incentives):</i> | \$ 12,692.19 | | \$ 12,692.19 |
| <i>Incremental Measure Costs (Equipment Costs)</i> | \$ - | | \$ - |
| <i>Total TRC costs:</i> | \$ 12,692.19 | \$ - | \$ 12,692.19 |
| <i>Net TRC (in year CDN \$):</i> | -\$ 12,692.19 | \$ - | -\$ 12,692.19 |
| <i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i> | 0.00 | #DIV/0! | \$ - |

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

Conservation Programs:

| <i>Demand savings (kW):</i> | <i>Summer</i> | <i>Winter</i> | Report Summer Demand (kW) | |
|-----------------------------|------------------|----------------|----------------------------------|----------------------------------|
| | 0.00 | 0.00 | 0.00 | |
| <i>Energy saved (kWh):</i> | <i>lifecycle</i> | <i>in year</i> | <i>Cumulative Lifecycle</i> | <i>Cumulative Annual Savings</i> |
| | 0.00 | 0.00 | 0 | 0 |
| | | | <i>Total 05&06 Lifecycle</i> | <i>Total 05&06 Annual</i> |
| | | | | |

Other resources saved :

| | | |
|--------------------------|---|---|
| <i>Natural Gas (m3):</i> | 0 | 0 |
| <i>Water (l)</i> | 0 | 0 |

Demand Management Programs:

| | |
|---|--|
| <i>Controlled load (kW)</i> | |
| <i>Energy shifted On-peak to Mid-peak (kWh):</i> | |
| <i>Energy shifted On-peak to Off-peak (kWh):</i> | |
| <i>Energy shifted Mid-peak to Off-peak (kWh):</i> | |

Demand Response Programs:

| | |
|---|--|
| <i>Dispatchable load (kW):</i> | |
| <i>Peak hours dispatched in year (hours):</i> | |

Power Factor Correction Programs:

| | |
|---|--|
| <i>Amount of KVar installed (KVar):</i> | |
|---|--|

Distribution system power factor at beginning of year (%): [redacted]
 Distribution system power factor at end of year (%): [redacted]

Line Loss Reduction Programs:

Peak load savings (kW): [redacted]
 Energy savngs (kWh): [redacted] *lifecycle* *in year*

Distributed Generation and Load Displacement Programs:

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

Other Programs (specify):

Metric (specify): [redacted]

| | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|--------------------------------------|-----------------------------------|-----------------------|------------------------------|--------------------------------|
| D. Program Costs*: | <i>Utility direct costs (\$):</i> | | | |
| | <i>Incremental capital:</i> | \$ - | [redacted] | \$ - |
| | <i>Incremental O&M:</i> | \$ 12,692.19 | [redacted] | \$ 12,692.19 |
| | <i>Incentive:</i> | \$ - | [redacted] | \$ - |
| | Total: | \$ 12,692.19 | \$ - | \$ 12,692.19 |
| <i>Utility indirect costs (\$):</i> | <i>Incremental capital:</i> | \$ - | [redacted] | \$ - |
| | <i>Incremental O&M:</i> | \$ - | [redacted] | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| <i>Total Utility Cost of Program</i> | | \$ 12,692.19 | - | 12,692.19 |

E. Assumptions & Comments:

To facilitate the program the loaners were advertised in the local press. The budget also allowed a supply of meters to be purchased for other programs. In the School Program each of the 28 teachers received a Kill-A-Watt meter. From the on-line survey of which 17 were completed, six of the respondents indicated that they had found phantom loads. 100% of the respondents found the information provided with the unit was useful and 7 respondents indicated that the use of the Kill-A-Watt meter had helped them reduce their energy consumption.

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

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

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

The first part of this program was to support REEP Audits and to provide rebates for electric heat homeowners who completed an audit. The second part Westario Power 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 program and included measures such as attic insulation and replacement of refrigerators. Due to the criteria for selection of homes and the general level of measures already in place the program did not result in the anticipated number of installations.

Measure(s):

| | Measure 1 | Measure 2 | Measure 3 | Measure 4 |
|---|------------------|-----------------|-------------------------|----------------------|
| <i>Base case technology:</i> | Below R-32 | Below R 32 | Old Refrigerator | No REEP Audit |
| <i>Efficient technology:</i> | To R-32 in Attic | To R32 In Attic | EnergyStar Refrigerator | REEP Audit Completed |
| <i>Number of participants or units delivered:</i> | 3.00 | 1.00 | 2.00 | 25.00 |
| <i>Measure life (years):</i> | 25.00 | 25.00 | 9.00 | 0.00 |
| <i>Number of participants/units 05&06</i> | | | | |
| <i>Number of Participants or units delivered life-to-date</i> | 3.00 | 1.00 | 2.00 | 25.00 |

| TRC Results: | Reporting Year | Total 05&06 TRC Results | Life-to-date TRC Results: |
|--|-----------------------|------------------------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ 4,620.16 | | \$ 4,620.16 |
| ² Measure's Costs (\$): | | | |
| <i>Utility program cost (less incentives):</i> | \$ 3,116.53 | | \$ 3,116.53 |
| <i>Participant cost:</i> | \$ 3,514.28 | | \$ 3,514.28 |
| <i>Total TRC costs:</i> | \$ 6,630.81 | \$ - | \$ 6,630.81 |
| <i>Net TRC (in year CDN \$):</i> | \$ -2,010.65 | \$ - | \$ 2,010.65 |
| <i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i> | 0.70 | #DIV/0! | \$ 0.70 |

| Results: (one or more category may apply) | | | Cumulative Results: | |
|--|---|----------------|----------------------------------|----------------------------------|
| Conservation Programs: | | | | |
| <i>Demand savings (kW):</i> | Summer | 0.32 | Report Summer Demand (kW) | |
| | Winter | 4.26 | 0.32 | |
| | <i>lifecycle</i> | <i>in year</i> | <i>Cumulative Lifecycle</i> | <i>Cumulative Annual Savings</i> |
| <i>Energy saved (kWh):</i> | 134,940.60 | 6,305.40 | 134940.6 | 6305.4 |
| | | | <i>Total 05&06 Lifecycle</i> | <i>05&06 Annual</i> |
| <i>Other resources saved :</i> | | | | |
| | <i>Natural Gas (m3):</i> | 0 | 0 | |
| | <i>Water (l)</i> | 0 | 0 | |
| Demand Management Programs: | | | | |
| | <i>Controlled load (kW)</i> | | | |
| | <i>Energy shifted On-peak to Mid-peak (kWh):</i> | | | |
| | <i>Energy shifted On-peak to Off-peak (kWh):</i> | | | |
| | <i>Energy shifted Mid-peak to Off-peak (kWh):</i> | | | |
| Demand Response Programs: | | | | |
| | <i>Dispatchable load (kW):</i> | | | |
| | <i>Peak hours dispatched in year (hours):</i> | | | |
| Power Factor Correction Programs: | | | | |
| | <i>Amount of KVar installed (KVar):</i> | | | |
| | <i>Distribution system power factor at beginning of year (%):</i> | | | |
| | <i>Distribution system power factor at end of year (%):</i> | | | |

Line Loss Reduction Programs:

| | | |
|-------------------------|------------------|----------------|
| Peak load savings (kW): | | |
| | <i>lifecycle</i> | <i>in year</i> |
| 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*: | | | Total 05&06 Costs | Cumulative Life to Date |
|-------------------------------|----------------------|--------------|------------------------------|--------------------------------|
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ 7,774.72 | | \$ 7,774.72 |
| | Incentive: | \$ 5,000.00 | | \$ 5,000.00 |
| | Total: | \$ 12,774.72 | \$ - | \$ 12,774.72 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 12,774.72 | \$ - | \$ 12,774.72 |

E. Comments:

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Municipal Seasonal LEDs

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

Offered to pay the differential between incandescent lighting and LED seasonal lighting. Two opportunities arose that limited the addition of new incandescent load by replacement with LEDs.

Measure(s):

| | Measure 1 | Measure 2 | Measure 3 | Measure 4 |
|--|----------------------|--------------|-----------|-----------|
| Base case technology: | C7 Strings of Lights | C7 Strings | 0.00 | 0.00 |
| Efficient technology: | Seasonal LEDs | Seasonal LED | 0.00 | 0.00 |
| Number of participants or units delivered: | 75.00 | 310.00 | 0.00 | 0.00 |
| Measure life (years): | 30.00 | 30.00 | 0.00 | 0.00 |
| Number of participants/units 05&06 | | | | |
| Number of Participants or units delivered life-to-date | 75.00 | 310.00 | 0.00 | 0.00 |

| B. TRC Results: | Reporting Year | Total 05&06 TRC | Life-to-date TRC |
|---|-----------------|-----------------|------------------|
| | | Results | Results: |
| ¹ TRC Benefits (\$): | \$ 2,918.76 | | \$ 2,918.76 |
| ² Measure's Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 1,826.34 | | \$ 1,826.34 |
| Participant cost: | \$ 731.50 | | \$ 731.50 |
| Total TRC costs: | \$ 2,557.84 | \$ - | \$ 2,557.84 |
| Net TRC (in year CDN \$): | \$360.92 | \$ - | \$ 360.92 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | 1.14 | #DIV/0! | \$ 1.14 |

| C. Results: (one or more category may apply) | | | Cumulative Results: | |
|--|------------|----------|----------------------------|---------------------------|
| Conservation Programs: | | | | |
| Demand savings (kW): | Summer | 0.00 | Report Summer Demand (kW) | |
| | Winter | 1.51 | 0.00 | |
| | lifecycle | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| Energy saved (kWh): | 104,066.84 | 3,468.89 | 104066.838 | 3468.8946 |
| | | | Total 05&06 Lifecycle | 05&06 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 beginning of year (%): | | | | |
| Distribution system power factor at end of year (%): | | | | |
| Line Loss Reduction Programs: | | | | |

Peak load savings (kW): lifecycle in year

Energy savngs (kWh): in year

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*: | | | Total 05&06 Costs | Cumulative Life to Date |
|-------------------------------|----------------------|-------------|------------------------------|--------------------------------|
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ 1,826.34 | | \$ 1,826.34 |
| | Incentive: | \$ 2,695.55 | | \$ 2,695.55 |
| | Total: | \$ 4,521.89 | \$ - | \$ 4,521.89 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 4,521.89 | \$ - | \$ 4,521.89 |

E. Comments:

[Redacted comment area]

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

²

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Project Porchlight

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

Community based project to deliver one CFL to every household in the community. Westario Power entered into an agreement with Project One Change to increase the number of CFLs delivered in the community over and above the numbers they were contracted to deliver for the OPA. An additional 5,800 CFLs were delivered and ensured that bulbs were delivered in each of the communities that Westario serves.

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|--------------------|---------------------------|---------------------------|
| Base case technology: | Incandescent Light | | |
| Efficient technology: | 13 Watt CFL | | |
| Number of participants or units delivered: | 5,800.00 | | |
| Measure life (months): | 41.38 | | |
| Number of participants or units 2005 | | | |
| Number of Participants or units delivered life-to-date | 5,800.00 | | |

| B. TRC Results: | Reporting Year | Total 05&06 TRC | Life-to-date TRC |
|---|----------------|-----------------|------------------|
| | | Results | Results: |
| ¹ TRC Benefits (\$): | \$ 75,486.89 | | \$ 75,486.89 |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 3,089.50 | | \$ 3,089.50 |
| Incremental Measure Costs (Equipment Costs) | \$ 11,745.00 | | \$ 11,745.00 |
| Total TRC costs: | \$ 14,834.50 | \$ - | \$ 14,834.50 |
| Net TRC (in year CDN \$): | \$ 60,652.39 | \$ - | \$ 60,652.39 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | 5.09 | #DIV/0! | \$ 5.09 |

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 | 75.69 | | |
| Energy saved (kWh): | lifecycle | 1,211,040.00 | Cumulative Lifecycle | Cumulative Annual Savings |
| | in year | 351,201.60 | 1211040 | 351201.6 |
| | | | Total 05&06 Lifecycle | Total 05&06 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 beginning of year (%):
Distribution system power factor at end of year (%):

Line Loss Reduction Programs:

Peak load savings (kW):
Energy savngs (kWh):

lifecycle

in year

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):

| | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|---|----------------------|-----------------------|------------------------------|--------------------------------|
| D. Program Costs*: | | | | |
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| Includes Measure's Cost - ensure full cost of measure entered in TRC IL15 | Incremental O&M: | 20,489.50 | | 20,489.50 |
| | Incentive: | - | | - |
| | Total: | 20,489.50 | \$ - | 20,489.50 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 20,489.50 | \$ - | 20,489.50 |

E. Assumptions & Comments:

Now is the time for all good men

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

²

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Radio Conservation Messages

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

Placed a number of conservation message for regular play on the local radio station. Radio spots highlighted opportunities for customers to save energy thereby raising energy conservation and supporting the Conservation Culture.

Measure(s):

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

| B. TRC Results: | Reporting Year | Total 05&06 TRC | Life-to-date TRC |
|---|----------------------|-----------------|----------------------|
| | | Results | Results: |
| ¹ TRC Benefits (\$): | \$ - | | \$ - |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 16,950.00 | | \$ 16,950.00 |
| Incremental Measure Costs (Equipment Costs) | \$ - | | \$ - |
| Total TRC costs: | \$ 16,950.00 | \$ - | \$ 16,950.00 |
| <u>Net TRC (in year CDN \$):</u> | <u>-\$ 16,950.00</u> | <u>\$ -</u> | <u>-\$ 16,950.00</u> |
| 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 Summer Demand (kW) | |
|-------------------------|-----------|---------|---------------------------|---------------------------|
| | | | Winter | 0.00 |
| | | | Cumulative Lifecycle | Cumulative Annual Savings |
| Energy saved (kWh): | lifecycle | in year | 0 | 0 |
| | 0.00 | 0.00 | Total 05&06 Lifecycle | Total 05&06 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 beginning of year (%):

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

Line Loss Reduction Programs:

Peak load savings (kW):

Energy savngs (kWh): lifecycle in year

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):

| | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|----------------------------------|----------------------------|-----------------------|------------------------------|--------------------------------|
| D. <u>Program Costs*:</u> | Utility direct costs (\$): | Incremental capital: | \$ - | \$ - |
| | | Incremental O&M: | \$ 16,950.00 | \$ 16,950.00 |
| | | Incentive: | \$ - | \$ - |
| | | Total: | \$ 16,950.00 | \$ 16,950.00 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | \$ - | |
| | Incremental O&M: | \$ - | \$ - | |
| | Total: | \$ - | \$ - | |
| Total Utility Cost of Program | | \$ 16,950.00 | \$ - | \$ 16,950.00 |

E. Assumptions & Comments:

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

²

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Demonstration Project - Insulative Paint

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

Westario Power supported a test of insulative paint as proposed by the Saugeen District Secondary School. The project compares the heating and cooling energy of two portables, one painted with the insulating paint the other not. Westario Power provided some financial assistance for material and provided meters for each portable.

Measure(s):

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

| | <u>Reporting Year</u> | <u>Total 05&06 TRC Results</u> | <u>Life-to-date TRC Results:</u> |
|--|-----------------------|------------------------------------|----------------------------------|
| B. <u>TRC Results:</u> | | | |
| ¹ TRC Benefits (\$): | \$ - | | \$ - |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 5,630.55 | | \$ 5,630.55 |
| Incremental Measure Costs (Equipment Costs) | \$ - | | \$ - |
| Total TRC costs: | \$ 5,630.55 | \$ - | \$ 5,630.55 |
| Net TRC (in year CDN \$): | -\$ 5,630.55 | \$ - | -\$ 5,630.55 |
| <i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i> | 0.00 | #DIV/0! | \$ - |

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

Conservation Programs:

| | | | | |
|--------------------------------|------------------|----------------|----------------------------------|----------------------------------|
| <i>Demand savings (kW):</i> | <i>Summer</i> | 0.00 | Report Summer Demand (kW) | |
| | <i>Winter</i> | 0.00 | 0.00 | |
| | <i>lifecycle</i> | <i>in year</i> | <i>Cumulative Lifecycle</i> | <i>Cumulative Annual Savings</i> |
| <i>Energy saved (kWh):</i> | 0.00 | 0.00 | 0 | 0 |
| | | | <i>Total 05&06 Lifecycle</i> | <i>Total 05&06 Annual</i> |
| | | | | |
| <i>Other resources saved :</i> | | | | |
| <i>Natural Gas (m3):</i> | | 0 | 0 | |
| <i>Water (l)</i> | | 0 | 0 | |

Demand Management Programs:

| | |
|---|--|
| <i>Controlled load (kW)</i> | |
| <i>Energy shifted On-peak to Mid-peak (kWh):</i> | |
| <i>Energy shifted On-peak to Off-peak (kWh):</i> | |
| <i>Energy shifted Mid-peak to Off-peak (kWh):</i> | |

Demand Response Programs:

| | |
|---|--|
| <i>Dispatchable load (kW):</i> | |
| <i>Peak hours dispatched in year (hours):</i> | |

Power Factor Correction Programs:

| | |
|---|--|
| <i>Amount of KVar installed (KVar):</i> | |
|---|--|

Distribution system power factor at beginning 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*: | | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to</u> |
|--------------------------------------|----------------------|----|-----------------------|------------------------------|---------------------------|
| | | | | | <u>Date</u> |
| Utility direct costs (\$): | Incremental capital: | \$ | - | | \$ - |
| | Incremental O&M: | \$ | 5,630.55 | | \$ 5,630.55 |
| | Incentive: | \$ | - | | \$ - |
| | Total: | \$ | 5,630.55 | \$ - | \$ 5,630.55 |
| Utility indirect costs (\$): | Incremental capital: | \$ | - | | \$ - |
| | Incremental O&M: | \$ | - | | \$ - |
| | Total: | \$ | - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ | 5,630.55 | - | 5,630.55 |

E. Assumptions & Comments:

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

²

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Replace Existing Fridge with EnergyStar Refrigerator

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

Program replaced refrigerators that were more than 10 years old and using more than 1,000kWh per year in schools that were participating in the Westario School Program. Cost of replacement was paid for by Westario Power. The program was costed out of both the demand reduction and technology exchange budgets.

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|---------------------------|---------------------------|---------------------------|
| Base case technology: | Ten Year Old Refrigerator | | |
| Efficient technology: | EnergyStar Refrigerator | | |
| Number of participants or units delivered: | 9.00 | | |
| Measure life (years): | 9.00 | | |
| Number of participants/units 05&06 | | | |
| Number of Participants or units delivered life-to-date | 9.00 | | |

| B. TRC Results: | Reporting Year | Total 05&06 TRC | Life-to-date TRC |
|---|----------------|-----------------|------------------|
| | | Results | Results: |
| ¹ TRC Benefits (\$): | \$ 3,464.37 | | \$ 3,464.37 |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 4,111.44 | | \$ 4,111.44 |
| Incremental Measure Costs (Equipment Costs) | \$ 2,454.30 | | \$ 2,454.30 |
| Total TRC costs: | \$ 6,565.74 | \$ - | \$ 6,565.74 |
| Net TRC (in year CDN \$): | -\$ 3,101.37 | \$ - | -\$ 3,101.37 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | 0.53 | #DIV/0! | \$ 0.53 |

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

Conservation Programs:

| Demand savings (kW): | Summer | 1.45 | Report Summer Demand (kW) | |
|-------------------------|-----------|-----------|---------------------------|---------------------------|
| | | | Winter | 1.45 |
| Energy saved (kWh): | lifecycle | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| | | 57,445.20 | 6,382.80 | 57445.2 |
| | | | Total 05&06 Lifecycle | Total 05&06 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 beginning 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):

| | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|--|----------------------|-----------------------|------------------------------|--------------------------------|
| D. <u>Program Costs*:</u> | | | | |
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| Includes Measure's Cost - ensure full cost of measure entered in TRCIL15 | | | | |
| | Incremental O&M: | \$ 10,186.44 | | \$ 10,186.44 |
| | Incentive: | \$ - | | \$ - |
| | Total: | \$ 10,186.44 | \$ - | \$ 10,186.44 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 10,186.44 | \$ - | \$ 10,186.44 |

E. Assumptions & Comments:

Program actively worked to remove refrigerators that were more than 10 years old and using more than 1000 kWh per year and replace them with an EnergyStar rated appliance. The discounted cost was deemed to be the cost of the purchase price for a 9 year period based on an average lifetime of a fridge of 19 years. The typical loading profile for an EnergyStar refrigerator as noted in the OEB Assumptions tables was modified for this calculation. The discounted measure cost was the cost of money for 9 years at 5% with purchase price of \$675.

¹ Benefits should be estimated if costs have been incurred and the technology has been deployed. Benefits reflect the present value of the measure for the number of units deployed in the year, i.e. the number of units times the net present value per unit 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:** School Program - Dearness Environmental Society

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

Sponsored conservation energy support for the Grade 5 and 9 curriculum. Contracted with Dearness Environmental Society to deliver their program to interested schools, both primary and secondary. As part of the program provided Environmental Action Kits to all students in the participating classes (kit with 4 CFLs, dye tab, flow bags and information).

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|-----------|---------------------------|---------------------------|
| Base case technology: | 0 | | |
| Efficient technology: | 15 W CFLs | | |
| Number of participants or units delivered: | 3,532.00 | | |
| Measure life (months): | 51.72 | | |
| Number of participants or units 2005 | | | |
| Number of Participants or units delivered life-to-date | 3,532.00 | | |

| B. TRC Results: | Reporting Year | Total 05&06 TRC | Life-to-date TRC |
|---|----------------------|-----------------|----------------------|
| | | Results | Results: |
| ¹ TRC Benefits (\$): | \$ 85,695.53 | | \$ 85,695.53 |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 93,067.50 | | \$ 93,067.50 |
| Incremental Measure Costs (Equipment Costs) | \$ 6,357.60 | | \$ 6,357.60 |
| Total TRC costs: | \$ 99,425.10 | \$ - | \$ 99,425.10 |
| Net TRC (in year CDN \$): | -\$ 13,729.57 | \$ - | -\$ 13,729.57 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | 0.86 | #DIV/0! | \$ 0.86 |

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 |
| Energy saved (kWh): | lifecycle | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| | | | 1,430,460.00 | 331,866.72 |
| | | | Total 05&06 Lifecycle | Total 05&06 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 beginning 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):

| | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|--|----------------------|-----------------------|------------------------------|--------------------------------|
| D. <u>Program Costs*:</u> | | | | |
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| Includes Measure's Cost - ensure full cost of measure entered in TRC!L15 | Incremental O&M: | \$ 103,663.50 | | \$ 103,663.50 |
| | Incentive: | \$ - | | \$ - |
| | Total: | \$ 103,663.50 | \$ - | \$ 103,663.50 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 103,663.50 | \$ - | \$ 103,663.50 |

E. Assumptions & Comments:

The Dearness Environmental Society Coservation Program was a multi-level program. The program provided support materials, training session, supply teachers (during training session) and in-school support. The program also provided training to maintenance staff to assist them with understanding conservation and to help the students save energy. Part of the program is for the students to make changes in the school to support energy conservation. The outcomes of these efforts will only be seen towards the end of the 2007/2008 school year. The schools were very pleased with the program and the support they received from Dearness staff. The program reached approximately 850 students.

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

²

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Small Commercial Audits

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

Westario Power offered on location audits and product installation for small commercial businesses. Two rounds of 50 audits were completed over the summer and fall of 2007. Contact was made through the Chamber of Commerce and local advertising. In addition to making appointments auditors also did cold calls on businesses in the vicinity of those that had made appointments. Commercial CFLs were installed along with some water heater tank wraps and general information on conservation was left behind. The program provided both education and savings to the small commercial sector.

Measure(s):

| | Measure 1 | Measure 2 | Measure 3 | Measure 4 |
|---|-----------|-----------|-----------|-----------|
| <i>Base case technology:</i> | 0 | 0.00 | 0.00 | 0.00 |
| <i>Efficient technology:</i> | 15 W CFL | 13 W CFL | 18 W CFL | Tank Wrap |
| <i>Number of participants or units delivered:</i> | 400.00 | 306.00 | 193.00 | 25.00 |
| <i>Measure life (months):</i> | 24.00 | 30.00 | 30.00 | 72.00 |
| <i>Number of participants/units 05&06</i> | | | | |
| <i>Number of Participants or units delivered life-to-date</i> | 400.00 | 306.00 | 193.00 | 25.00 |

| TRC Results: | Reporting Year | Total 05&06 TRC Results | Life-to-date TRC Results: |
|--|-----------------------|------------------------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ 30,476.10 | | \$ 30,476.10 |
| ² Measure's Costs (\$): | | | |
| <i>Utility program cost (less incentives):</i> | \$ 29,378.53 | | \$ 29,378.53 |
| <i>Incremental Measure Costs (Equipment Costs)</i> | \$ 5,351.15 | | \$ 5,351.15 |
| <i>Total TRC costs:</i> | \$ 34,729.68 | \$ - | \$ 34,729.68 |
| <i>Net TRC (in year CDN \$):</i> | -\$4,253.58 | \$ - | -\$ 4,253.58 |
| <i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i> | 0.88 | #DIV/0! | 0.88 |

| C. Results: (one or more category may apply) | | | Cumulative Results: | |
|---|------------------|----------------|----------------------------------|----------------------------------|
| Conservation Programs: | | | | |
| <i>Demand savings (kW):</i> | <i>Summer</i> | 32.29 | Report Winter Demand (kW) | |
| | <i>Winter</i> | 34.63 | 34.63 | |
| <i>Energy saved (kWh):</i> | <i>lifecycle</i> | 376,101.00 | <i>in year</i> | 154,422.90 |
| | | 376101 | <i>Cumulative Lifecycle</i> | <i>Cumulative Annual Savings</i> |
| | | 154422.9 | <i>Total 05&06 Lifecycle</i> | <i>Total 05&06 Annual</i> |
| | | | | |
| <i>Other resources saved :</i> | | | | |
| <i>Natural Gas (m3):</i> | 0 | 0 | | |
| <i>Water (l)</i> | 0 | 0 | | |
| Demand Management Programs: | | | | |
| <i>Controlled load (kW)</i> | | | | |
| <i>Energy shifted On-peak to Mid-peak (kWh):</i> | | | | |
| <i>Energy shifted On-peak to Off-peak (kWh):</i> | | | | |
| <i>Energy shifted Mid-peak to Off-peak (kWh):</i> | | | | |
| Demand Response Programs: | | | | |
| <i>Dispatchable load (kW):</i> | | | | |
| <i>Peak hours dispatched in year (hours):</i> | | | | |
| Power Factor Correction Programs: | | | | |
| <i>Amount of KVar installed (KVar):</i> | | | | |
| <i>Distribution system power factor at beginning of year (%):</i> | | | | |
| <i>Distribution system power factor at end of year (%):</i> | | | | |
| Line Loss Reduction Programs: | | | | |
| <i>Peak load savings (kW):</i> | | | | |
| | <i>lifecycle</i> | <i>in year</i> | | |

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*: | | Total 05&06 Costs | Cumulative Life to Date |
|--------------------------------------|-----------------------------|------------------------------|--------------------------------|
| <i>Utility direct costs (\$):</i> | <i>Incremental capital:</i> | \$ - | \$ - |
| | <i>Incremental O&M:</i> | \$ 33,979.07 | \$ 33,979.07 |
| | <i>Incentive:</i> | \$ - | \$ - |
| | <i>Total:</i> | \$ 33,979.07 | \$ 33,979.07 |
| <i>Utility indirect costs (\$):</i> | <i>Incremental capital:</i> | \$ - | \$ - |
| | <i>Incremental O&M:</i> | \$ - | \$ - |
| | <i>Total:</i> | \$ - | \$ - |
| <i>Total Utility Cost of Program</i> | | \$ 33,979.07 | \$ 33,979.07 |

E. Assumptins & Comments:

Joined 16 W and 23 Watt units together in total numbers and used the 18 W standard from the Measures list.

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Small Commercial Workshops

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

Conservation Workshop offered to small commercial customers in the various communities served by Westario Power. Half day seminar delivered in partnership with the Chamber of Commerce in the communities. Four sessions held with a total of 33 attendees. Gift packs containing one Par 30, one flood and an aerator.

Measure(s):

| | Measure 1 | Measure 2 | Measure 3 | Measure 4 |
|---|-------------------|----------------------|-----------------------|-----------|
| <i>Base case technology:</i> | 75 W Incandescent | 60 Watt Incandescent | Regular or no aerator | 0.00 |
| <i>Efficient technology:</i> | 25 W CFL Flood | 14 W Par 30 | Low Flow Aerator | 0.00 |
| <i>Number of participants or units delivered:</i> | 33.00 | 33.00 | 33.00 | 0.00 |
| <i>Measure life (months):</i> | 51.72 | 51.72 | 144.00 | 0.00 |
| <i>Number of participants/units 05&06</i> | | | | |
| <i>Number of Participants or units delivered life-to-date</i> | 33.00 | 33.00 | 33.00 | 0.00 |

| TRC Results: | Reporting Year | Total 05&06 TRC Results | Life-to-date TRC Results: |
|--|-----------------------|------------------------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ 2,802.85 | | \$ 2,802.85 |
| ² Measure's Costs (\$): | | | |
| <i>Utility program cost (less incentives):</i> | \$ 12,168.27 | | \$ 12,168.27 |
| <i>Incremental Measure Costs (Equipment Costs)</i> | \$ 326.70 | | \$ 326.70 |
| <i>Total TRC costs:</i> | \$ 12,494.97 | \$ - | \$ 12,494.97 |
| <i>Net TRC (in year CDN \$):</i> | -\$9,692.12 | \$ - | -\$ 9,692.12 |
| <i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i> | 0.22 | #DIV/0! | 0.22 |

| Results: (one or more category may apply) | | | Cumulative Results: | |
|---|------------------|----------------|----------------------------------|----------------------------------|
| Conservation Programs: | | | | |
| <i>Demand savings (kW):</i> | <i>Summer</i> | 0.07 | Report Winter Demand (kW) | |
| | <i>Winter</i> | 1.96 | 1.96 | |
| <i>Energy saved (kWh):</i> | <i>lifecycle</i> | 47,628.00 | <i>Cumulative Lifecycle</i> | <i>Cumulative Annual Savings</i> |
| | <i>in year</i> | 9,267.48 | 47628 | 9267.48 |
| | | | <i>Total 05&06 Lifecycle</i> | <i>Total 05&06 Annual</i> |
| <i>Other resources saved :</i> | | | | |
| <i>Natural Gas (m3):</i> | 0 | 0 | | |
| <i>Water (l)</i> | 1,165,072 | 97,089 | | |
| Demand Management Programs: | | | | |
| <i>Controlled load (kW)</i> | | | | |
| <i>Energy shifted On-peak to Mid-peak (kWh):</i> | | | | |
| <i>Energy shifted On-peak to Off-peak (kWh):</i> | | | | |
| <i>Energy shifted Mid-peak to Off-peak (kWh):</i> | | | | |
| Demand Response Programs: | | | | |
| <i>Dispatchable load (kW):</i> | | | | |
| <i>Peak hours dispatched in year (hours):</i> | | | | |
| Power Factor Correction Programs: | | | | |
| <i>Amount of KVar installed (KVar):</i> | | | | |
| <i>Distribution system power factor at beginning of year (%):</i> | | | | |
| <i>Distribution system power factor at end of year (%):</i> | | | | |
| Line Loss Reduction Programs: | | | | |
| <i>Peak load savings (kW):</i> | | | | |
| | <i>lifecycle</i> | <i>in year</i> | | |
| <i>Energy savngs (kWh):</i> | | | | |

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*: | | | Total 05&06 Costs | Cumulative Life to Date |
|--------------------------------------|----------------------|---------------------|------------------------------|--------------------------------|
| Utility direct costs (\$): | Incremental capital: | \$ - | _____ | \$ - |
| | Incremental O&M: | \$ 12,597.27 | _____ | \$ 12,597.27 |
| | Incentive: | \$ - | _____ | \$ - |
| | Total: | \$ 12,597.27 | \$ - | \$ 12,597.27 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | _____ | \$ - |
| | Incremental O&M: | \$ - | _____ | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 12,597.27 | \$ - | \$ 12,597.27 |

E. Assumptins & Comments:

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Social Housing Project

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

Partnered with Social Housing to up-grade their technology. Replaced refrigerators and also incandescent lights in each unit. Housing agency staff replaced the existing incandescent bulbs with CFLs. Contractor replaced refrigerators with higher efficiency units.

Measure(s):

| | Measure 1 | Measure 2 | Measure 3 | Measure 4 |
|---|-------------------|-------------------------|--------------------------|--------------------------|
| <i>Base case technology:</i> | 60 W incandescent | Over 10 Year Old Fridge | Over 10 years old fridge | Over 10 years old Fridge |
| <i>Efficient technology:</i> | 15 W CFL | FRT124FW 12 Cubic Foot | RT124FW 12 Cubic Foot | TOWSRXMQ 10 cubic foot |
| <i>Number of participants or units delivered:</i> | 2,816.00 | 49.00 | 56.00 | 127.00 |
| <i>Measure life (years):</i> | 4.31 | 9.00 | 9.00 | 9.00 |
| <i>Number of participants/units 05&06</i> | | | | |
| <i>Number of Participants or units delivered life-to-date</i> | 2,816.00 | 49.00 | 56.00 | 127.00 |

| B. TRC Results: | Reporting Year | Total 05&06 TRC Results | |
|--|-----------------------|------------------------------------|----------------------------------|
| | | Results | Life-to-date TRC Results: |
| ¹ TRC Benefits (\$): | \$ 122,240.72 | | \$ 122,240.72 |
| ² Measure's Costs (\$): | | | |
| <i>Utility program cost (less incentives):</i> | \$ 10,618.50 | | \$ 10,618.50 |
| <i>Participant cost:</i> | \$ 52,048.80 | | \$ 52,048.80 |
| <i>Total TRC costs:</i> | \$ 62,667.30 | \$ - | \$ 62,667.30 |
| Net TRC (in year CDN \$): | \$59,573.42 | \$ - | \$ 59,573.42 |
| <i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i> | 1.95 | #DIV/0! | \$ 1.95 |

| C. Results: (one or more category may apply) | | | | Cumulative Results: | |
|---|------------------|----------------|----------------------------------|----------------------------------|--|
| Conservation Programs: | | | | | |
| <i>Demand savings (kW):</i> | <i>Summer</i> | 23.88 | Report Summer Demand (kW) | | |
| | <i>Winter</i> | 82.25 | 23.88 | | |
| | <i>lifecycle</i> | <i>in year</i> | <i>Cumulative Lifecycle</i> | <i>Cumulative Annual Savings</i> | |
| <i>Energy saved (kWh):</i> | 2,087,677.80 | 369,835.56 | 2087677.8 | 369835.56 | |
| | | | <i>Total 05&06 Lifecycle</i> | <i>05&06 Annual</i> | |

Other resources saved :

| | | |
|--------------------------|---|---|
| <i>Natural Gas (m3):</i> | 0 | 0 |
| <i>Water (l)</i> | 0 | 0 |

Demand Management Programs:

| | |
|---|--|
| <i>Controlled load (kW)</i> | |
| <i>Energy shifted On-peak to Mid-peak (kWh):</i> | |
| <i>Energy shifted On-peak to Off-peak (kWh):</i> | |
| <i>Energy shifted Mid-peak to Off-peak (kWh):</i> | |

Demand Response Programs:

| | |
|---|--|
| <i>Dispatchable load (kW):</i> | |
| <i>Peak hours dispatched in year (hours):</i> | |

Power Factor Correction Programs:

| | |
|---|--|
| <i>Amount of KVar installed (KVar):</i> | |
| <i>Distribution system power factor at beginning of year (%):</i> | |
| <i>Distribution system power factor at end of year (%):</i> | |

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*: | | | Total 05&06 Costs | Cumulative Life to Date |
|-------------------------------|----------------------|--------------|------------------------------|--------------------------------|
| Utility direct costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ 19,066.50 | | \$ 19,066.50 |
| | Incentive: | \$ 58,000.00 | | \$ 58,000.00 |
| | Total: | \$ 77,066.50 | \$ - | \$ 77,066.50 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | | \$ - |
| | Incremental O&M: | \$ - | | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 77,066.50 | - | 77,066.50 |

E. Comments:

On the fridges, because of the size could not obtain EnergyStar rated fridges. Estimate that previous units, as over 10 years old using approximately 900 kWh per year. New energy use is 376 for 10 cubic foot and 408 for 12 cubic foot.

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Utilismart Metering Workshop

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

Westario Power offers the ability for customers on interval meters to make access to the metering data and resulting reports. An understanding of the metering data and reports can assist with plant operation, peak demand and energy use. The one day workshop was led by Utilismart staff and worked attendees through the capabilities of the system. Prior to the workshop a detailed report was sent to each company to highlight the information that could be obtained from the system.

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: | 10.00 | | |
| Measure life (years): | 0.00 | | |
| Number of participants/units 05&06 | | | |
| Number of Participants or units delivered life-to-date | 10.00 | | |

| B. TRC Results: | Reporting Year | Total 05&06 TRC | Life-to-date TRC |
|---|----------------|-----------------|------------------|
| | | Results | Results: |
| ¹ TRC Benefits (\$): | \$ - | | \$ - |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 15,492.03 | | \$ 15,492.03 |
| Incremental Measure Costs (Equipment Costs) | \$ - | | \$ - |
| Total TRC costs: | \$ 15,492.03 | \$ - | \$ 15,492.03 |
| Net TRC (in year CDN \$): | -\$ 15,492.03 | \$ - | -\$ 15,492.03 |
| 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 Summer Demand (kW) | |
|----------------------|-----------|---------|---------------------------|---------------------------|
| | | | Winter | 0.00 |
| Energy saved (kWh): | lifecycle | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| | | | 0.00 | 0.00 |
| | | | Total 05&06 Lifecycle | Total 05&06 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 beginning 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):

| | | | <u>Reporting Year</u> | | <u>Total 05&06 Costs</u> | | <u>Cumulative Life to Date</u> | |
|----------------------------------|----------------------------|------------------------------|-----------------------|-----------|------------------------------|----|--------------------------------|---|
| D. <u>Program Costs*:</u> | Utility direct costs (\$): | Incremental capital: | \$ | - | | \$ | - | |
| | | Incremental O&M: | \$ | 15,492.03 | | \$ | 15,492.03 | |
| | | Incentive: | \$ | - | | \$ | - | |
| | | Total: | \$ | 15,492.03 | \$ - | \$ | 15,492.03 | |
| | | Utility indirect costs (\$): | Incremental capital: | \$ | - | | \$ | - |
| | Incremental O&M: | \$ | - | | \$ | - | | |
| | Total: | \$ | - | \$ - | \$ | - | | |
| Total Utility Cost of Program | | | \$ | 15,492.03 | - | \$ | 15,492.03 | |

E. Assumptions & Comments:

The workshop had 10 attendees from 7 industry/institutions. One of the attendees who had heard of the capabilities of the system at the Industrial Workshop indicated that he had been using the data from the system and that "It is a valuable tool and anyone can benefit from using it". To assist with energy management and data collection within the workplace a data logger and software was provided to each company that attended.

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:** Miscellaneous Expositions

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

Opportunity arose to participate in two displays. The first was an Energy Exposition in Teeswater the second was an open house at Wingham Public School. General conservation measures were demonstrated and draws were held on "Buckets of Savings" The focus of the events was education. Over 200 people were engaged at the Energy Expo while about 60 viewed the demonstration at the school.

Measure(s):

| | Measure 1 | Measure 2 | Measure 3 | Measure 4 |
|--|-----------|----------------------|----------------|-----------------|
| Base case technology: | 0 | 0.00 | 0.00 | 0.00 |
| Efficient technology: | CFLs | CFL Flood Light 26 W | Faucet Aerator | Pipe Insulation |
| Number of participants or units delivered: | 4.00 | 4.00 | 3.00 | 3.00 |
| Measure life (months): | 51.72 | 65.75 | 144.00 | 72.00 |
| Number of participants/units 05&06 | | | | |
| Number of Participants or units delivered life-to-date | 4.00 | 4.00 | 3.00 | 3.00 |

| TRC Results: | Reporting Year | Total 05&06 TRC Results | Life-to-date TRC Results: |
|---|-----------------------|------------------------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ 341.57 | | \$ 341.57 |
| ² Measure's Costs (\$): | | | |
| Utility program cost (less incentives): | \$ 6,696.12 | | \$ 6,696.12 |
| Incremental Measure Costs (Equipment Costs) | \$ 44.85 | | \$ 44.85 |
| Total TRC costs: | \$ 6,740.97 | \$ - | \$ 6,740.97 |
| Net TRC (in year CDN \$): | -\$6,399.40 | \$ - | -\$ 6,399.40 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | 0.05 | #DIV/0! | \$ 0.05 |

| Results: (one or more category may apply) | | | Cumulative Results: | |
|--|-------------------|-----------|----------------------------|----------|
| Conservation Programs: | | | | |
| Demand savings (kW): | Summer | 0.02 | Report Winter Demand (kW) | |
| | Winter | 0.18 | 0.18 | |
| Energy saved (kWh): | lifecycle | 6,532.05 | in year | 1,144.72 |
| | | 6,532.05 | 1,144.72 | 1,144.72 |
| | | 6,532.05 | 1,144.72 | 1,144.72 |
| | | 6,532.05 | 1,144.72 | 1,144.72 |
| Other resources saved : | | | | |
| | Natural Gas (m3): | 0 | 0 | |
| | Water (l) | 105,916 | 8,826 | |
| Demand Management Programs: | | | | |
| Controlled load (kW) | | | | |
| Energy shifted On-peak to Mid-peak (kWh): | | | | |
| Energy shifted On-peak to Off-peak (kWh): | | | | |
| Energy shifted Mid-peak to Off-peak (kWh): | | | | |
| Demand Response Programs: | | | | |
| Dispatchable load (kW): | | | | |
| Peak hours dispatched in year (hours): | | | | |
| Power Factor Correction Programs: | | | | |
| Amount of KVar installed (KVar): | | | | |
| Distribution system power factor at beginning of year (%): | | | | |
| Distribution system power factor at end of year (%): | | | | |
| Line Loss Reduction Programs: | | | | |
| Peak load savings (kW): | | | | |
| | | lifecycle | in year | |
| | | | | |
| | | | | |
| | | | | |

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):

| <u>Program Costs*:</u> | | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|-------------------------------|----------------------|-------------------------------------|---------------------------------------|
| Utility direct costs (\$): | Incremental capital: | \$ - | \$ - |
| | Incremental O&M: | \$ 6,789.12 | \$ 6,789.12 |
| | Incentive: | \$ - | \$ - |
| | Total: | \$ 6,789.12 | \$ 6,789.12 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | \$ - |
| | Incremental O&M: | \$ - | \$ - |
| | Total: | \$ - | \$ - |
| Total Utility Cost of Program | | \$ 6,789.12 | \$ 6,789.12 |

E. Assumptins & Comments:

At the Energy Exposition an opportunity was available for Westario Power to present a one hour conservation seminar. A presentation was prepared however on the two days of the Expo, while well attended, there was little interest in the seminar series.

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Interval Meter Installation

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

Install an interval meter to assist customer in reviewing their energy and demand use.

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|----------------|---------------------------|---------------------------|
| Base case technology: | Standard Meter | | |
| Efficient technology: | Interval Meter | | |
| Number of participants or units delivered: | 0.00 | | |
| Measure life (months): | 0.00 | | |
| Number of participants or units 2005 | | | |
| Number of Participants or units delivered life-to-date | 0.00 | | |

| | <u>Reporting Year</u> | <u>Total 05&06 TRC Results</u> | | <u>Life-to-date TRC Results:</u> |
|---|-----------------------|------------------------------------|--------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ - | | \$ - | - |
| ² TRC Costs (\$): | | | | |
| Utility program cost (less incentives): | \$ 1,289.48 | | \$ 1,289.48 | 1,289.48 |
| Incremental Measure Costs (Equipment Costs) | \$ - | | \$ - | - |
| Total TRC costs: | \$ 1,289.48 | \$ - | \$ 1,289.48 | 1,289.48 |
| <u>Net TRC (in year CDN \$):</u> | -\$ 1,289.48 | \$ - | -\$ 1,289.48 | - |
| 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 Summer Demand (kW) | |
| | Winter | 0.00 | 0.00 | |
| Energy saved (kWh): | <i>lifecycle</i> | <i>in year</i> | <i>Cumulative Lifecycle</i> | <i>Cumulative Annual Savings</i> |
| | 0.00 | 0.00 | 0 | 0 |
| | | | <i>Total 05&06 Lifecycle</i> | <i>Total 05&06 Annual</i> |
| 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 beginning 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 (kW/h):

Fuel type:

Other Programs (specify):

Metric (specify):

| | | <u>Reporting Year</u> | <u>Total 05&06 Costs</u> | <u>Cumulative Life to Date</u> |
|----------------------------------|----------------------------|-----------------------|------------------------------|--------------------------------|
| D. <u>Program Costs*:</u> | Utility direct costs (\$): | Incremental capital: | \$ - | \$ - |
| | | Incremental O&M: | \$ 1,289.48 | \$ 1,289.48 |
| | | Incentive: | \$ - | \$ - |
| | | Total: | \$ 1,289.48 | \$ 1,289.48 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | \$ - | |
| | Incremental O&M: | \$ - | \$ - | |
| | Total: | \$ - | \$ - | |
| Total Utility Cost of Program | | \$ 1,289.48 | \$ - | \$ 1,289.48 |

E. Assumptions & Comments:

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** 2005 Lighten Your Electricity Bill Program

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

Westario participated with 31 other LDCs in a fall campaign with Canadian Tire. EnegyShop.com ran the program that was aimed providing energy savings coupons to residential customers. The program was designed to increase both public awareness of energy conservation and to increase the purchase of energy efficient product. The program results was quantified by tracking the coupons redeemed.

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|-----------|---------------------------|---------------------------|
| Base case technology: | | | |
| Efficient technology: | | | |
| Number of participants or units delivered: | 0.00 | | |
| Measure life (months): | 0.00 | | |
| Number of participants or units 05/06 | 1847 | | |
| Number of Participants or units delivered life-to-date | 1,847.00 | | |

| B. TRC Results: | Reporting Year | 2005 TRC Results | | Life-to-date TRC Results: | |
|---|----------------|------------------|---------------------------|---------------------------|---------------------------|
| | | 2005 TRC Results | Life-to-date TRC Results: | 2005 TRC Results | Life-to-date TRC Results: |
| ¹ TRC Benefits (\$): | \$ - | \$ 79,551.00 | \$ 79,551.00 | \$ 79,551.00 | \$ 79,551.00 |
| ² TRC Costs (\$): | | | | | |
| Utility program cost (less incentives): | \$ - | \$ 15,886.52 | \$ 15,886.52 | \$ 15,886.52 | \$ 15,886.52 |
| Incremental Measure Costs (Equipment Costs) | \$ - | \$ 10,176.00 | \$ 10,176.00 | \$ 10,176.00 | \$ 10,176.00 |
| Total TRC costs: | \$ - | \$ 26,062.52 | \$ 26,062.52 | \$ 26,062.52 | \$ 26,062.52 |
| Net TRC (in year CDN \$): | \$ - | \$ 53,488.48 | \$ 53,488.48 | \$ 53,488.48 | \$ 53,488.48 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | #DIV/0! | \$ 3.05 | \$ 3.05 | \$ 3.05 | \$ 3.05 |

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

Conservation Programs:

| Demand savings (kW): | Summer | 0.00 | Report Winter Demand (kW) | | |
|-------------------------|-----------|------|---------------------------|----------------------|---------------------------|
| | | | Winter | 0.00 | |
| Energy saved (kWh): | lifecycle | 0.00 | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| | | | | 1721480 | 178825 |
| | | | | 2005 Lifecycle | 2005 Annual |
| | | | | 1721480 | 178825 |
| Other resources saved : | | | | | |
| Natural Gas (m3): | 0 | 0 | 0 | 0 | 0 |
| Water (l) | 0 | 0 | 0 | 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): | |
|----------------------------------|--|

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** Customer Survey 2006

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

Survey customers on whether the media ad campaign reached the target audience

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|-----------|---------------------------|---------------------------|
| Base case technology: | 0 | | |
| Efficient technology: | 0 | | |
| Number of participants or units delivered: | 0.00 | | |
| Measure life (months): | 0.00 | | |
| Number of participants or units 05/06 | 800 | | |
| Number of Participants or units delivered life-to-date | 800.00 | | |

| B. TRC Results: | Reporting Year | 2006 TRC Results | | Life-to-date TRC Results: | |
|---|----------------|------------------|--------------|---------------------------|--|
| | | | | | |
| ¹ TRC Benefits (\$): | \$ - | \$ - | \$ - | | |
| ² TRC Costs (\$): | | | | | |
| Utility program cost (less incentives): | \$ - | \$ 4,000.00 | \$ 4,000.00 | | |
| Incremental Measure Costs (Equipment Costs) | \$ - | \$ - | \$ - | | |
| Total TRC costs: | \$ - | \$ 4,000.00 | \$ 4,000.00 | | |
| Net TRC (in year CDN \$): | \$ - | -\$ 4,000.00 | -\$ 4,000.00 | | |
| 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 Winter Demand (kW) | |
|-------------------------|-----------|------|---------------------------|---------------------------|
| | | | Winter | 0.00 |
| Energy saved (kWh): | lifecycle | 0.00 | Cumulative Lifecycle | Cumulative Annual Savings |
| | in year | 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 beginning 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): _____

| | | <u>Reporting Year</u> | <u>2006 Costs</u> | <u>Cumulative Life to Date</u> |
|----|--|-----------------------|-------------------|--------------------------------|
| D. | <u>Program Costs*:</u> | | | |
| | Utility direct costs (\$): | Incremental capital: | \$ - | \$ - |
| | Includes Measure's Cost - ensure full cost of measure entered in TRC/L15 | Incremental O&M: | \$ 4,000.00 | \$ 4,000.00 |
| | | Incentive: | \$ - | \$ - |
| | | Total: | \$ 4,000.00 | \$ 4,000.00 |
| | Utility indirect costs (\$): | Incremental capital: | \$ - | \$ - |
| | | Incremental O&M: | \$ - | \$ - |
| | | Total: | \$ - | \$ - |
| | Total Utility Cost of Program | | \$ 4,000.00 | \$ 4,000.00 |

E. Assumptions & Comments:

Customer survey to about 800 participants inquiring about our 30-second conservation tips on local radio stations. Reach was approx 1/4 of our service territory.

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

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

promotion and education packages to Westario 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 (months): | 0.00 | | |
| Number of participants or units 05/06 | 5000 | | |
| Number of Participants or units delivered life-to-date | 5,000.00 | | |

| | <u>Reporting Year</u> | <u>2005</u> | <u>2006</u> | <u>TRC Results</u> | <u>Life-to-date TRC Results:</u> |
|---|-----------------------|----------------------|-------------|--------------------|----------------------------------|
| B. ¹ TRC Benefits (\$): | \$ - | | | | \$ - |
| ² TRC Costs (\$): | | | | | |
| Utility program cost (less incentives): | \$ - | \$ 12,206.05 | | | \$ 12,206.05 |
| Incremental Measure Costs (Equipment Costs) | \$ - | \$ - | | | \$ - |
| Total TRC costs: | \$ - | \$ 12,206.05 | | | \$ 12,206.05 |
| <u>Net TRC (in year CDN \$):</u> | <u>\$ -</u> | <u>-\$ 12,206.05</u> | | | <u>-\$ 12,206.05</u> |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | #DIV/0! | \$ - | | | \$ - |

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

Conservation Programs:

| Demand savings (kW): | Summer | 0.00 | | Report Winter Demand (kW) 0.00 |
|-------------------------|-----------|------|---------|-----------------------------------|
| | Winter | 0.00 | | |
| Energy saved (kWh): | lifecycle | 0.00 | in year | 0.00 |
| | | 0.00 | 0.00 | 0.00 |
| | | | | Cumulative Lifecycle |
| | | | | Cumulative Annual Savings |
| | | | | 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 beginning 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):

| | | <u>Reporting Year</u> | <u>2005/2006 Costs</u> | <u>Cumulative Life to Date</u> |
|--------------------------------------|--|-----------------------|------------------------|--------------------------------|
| D. <u>Program Costs*:</u> | Utility direct costs (\$): | Incremental capital: | \$ - | \$ - |
| | Includes Measure's Cost - ensure full cost of measure entered in TRC/L15 | Incremental O&M: | \$ 12,206.05 | \$ 12,206.05 |
| | | Incentive: | \$ - | \$ - |
| | | Total: | \$ 12,206.05 | \$ 12,206.05 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | \$ - | \$ - |
| | Incremental O&M: | \$ - | \$ - | \$ - |
| | Total: | \$ - | \$ - | \$ - |
| Total Utility Cost of Program | | \$ - | \$ 12,206.05 | \$ 12,206.05 |

E. Assumptions & Comments:

Conservation radio advertising in 2006. Coverage reached estimate 1/4 of WPI customers.

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

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

conservation website, jointly with CHEC group

Measure(s):

| | Measure 1 | Measure 2 (if applicable) | Measure 3 (if applicable) |
|--|-----------|---------------------------|---------------------------|
| Base case technology: | 0 | | |
| Efficient technology: | 0 | | |
| Number of participants or units delivered: | 0.00 | | |
| Measure life (months): | 0.00 | | |
| Number of participants or units 2005 | 1000 | | |
| Number of Participants or units delivered life-to-date | 1,000.00 | | |

| B. TRC Results: | Reporting Year | Life-to-date TRC Results: | |
|---|----------------|---------------------------|---------------|
| | | 2005 TRC Results | Results: |
| ¹ TRC Benefits (\$): | \$ - | \$ - | \$ - |
| ² TRC Costs (\$): | | | |
| Utility program cost (less incentives): | \$ - | \$ 15,337.84 | \$ 15,337.84 |
| Incremental Measure Costs (Equipment Costs) | \$ - | \$ - | \$ - |
| Total TRC costs: | \$ - | \$ 15,337.84 | \$ 15,337.84 |
| Net TRC (in year CDN \$): | \$ - | -\$ 15,337.84 | -\$ 15,337.84 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | #DIV/0! | \$ - | \$ - |

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

Conservation Programs:

| | | | | | |
|-------------------------|--------|-----------|-----------------------------------|----------------------|---------------------------|
| Demand savings (kW): | Summer | 0.00 | Report Winter Demand (kW) 0.00 | | |
| | Winter | 0.00 | | | |
| Energy saved (kWh): | | lifecycle | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| | | 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 beginning of year (%): | |
| Distribution system power factor at end of year (%): | |

Line Loss Reduction Programs:

Peak load savings (kW): [redacted]
lifetime in year
Energy savngs (kWh): [redacted] [redacted]

Distributed Generation and Load Displacement Programs:

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

Other Programs (specify):

Metric (specify): [redacted]

| | | <u>Reporting Year</u> | <u>2005 Costs</u> | <u>Cumulative Life to</u> <u>Date</u> |
|--------------------------------------|---|-----------------------|-------------------|--|
| D. <u>Program Costs*:</u> | Utility direct costs (\$): | Incremental capital: | \$ - | \$ - |
| | <i>Includes Measure's Cost - ensure full cost of measure entered in TRC/L15</i> | Incremental O&M: | \$ - | \$ 15,337.84 |
| | | Incentive: | \$ - | \$ - |
| | | Total: | \$ - | \$ 15,337.84 |
| Utility indirect costs (\$): | Incremental capital: | \$ - | \$ - | |
| | Incremental O&M: | \$ - | \$ - | |
| | Total: | \$ - | \$ - | |
| Total Utility Cost of Program | | \$ - | \$ 15,337.84 | \$ 15,337.84 |

E. Assumptions & Comments:

[redacted]

Conservation website "went live" in 2006. By end of 2006, website had received XXXX hits.

¹ Benefits should be estimated if costs have been incurred and the technology has been deployed. Benefits reflect the present value of the measure for the number of units deployed in the year, i.e. the number of units times the net present value per unit 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:** Fall 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 |
|---|-----------|-----------------|------------------|-----------------|-----------|----------------|
| <i>Base case technology:</i> | 0 | 5W & Minis | Mini | 0.00 | 0.00 | 0.00 |
| <i>Efficient technology:</i> | CFLs | LED Xmas Lights | Prg. Thermostats | pStat Baseboard | Dimmers | Motion Sensors |
| <i>Number of participants or units delivered:</i> | | | | 0.00 | 0.00 | 0.00 |
| <i>Measure life (years):</i> | 4.00 | 20.00 | 20.00 | 18.00 | 0.00 | 0.00 |
| <i>Number of participants or units 2005</i> | 15138 | 3820 | 152 | 22 | 82 | 34 |
| <i>Number of Participants or units delivered life-to-date</i> | 15,138.00 | 3,820.00 | 152.00 | 22.00 | 82.00 | 34.00 |

| B. TRC Results: | Reporting Year | 2006 TRC Results | | Life-to-date TRC Results: | |
|--|----------------|----------------------|----------------------|---------------------------|--|
| | | | | | |
| <i>TRC Benefits (\$):</i> | \$ - | \$ 530,132.00 | \$ 530,132.00 | | |
| <i>Measure's Costs (\$):</i> | | | | | |
| <i>Utility program cost (less incentives):</i> | \$ - | | \$ - | | |
| <i>Incremental Measure Costs (Equipment Costs)</i> | \$ - | \$ 42,889.00 | \$ 42,889.00 | | |
| <i>Total TRC costs:</i> | \$ - | \$ 42,889.00 | \$ 42,889.00 | | |
| <i>Net TRC (in year CDN \$):</i> | \$0.00 | \$ 487,243.00 | \$ 487,243.00 | | |
| <i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i> | #DIV/0! | \$ 12.36 | \$ 12.36 | | |

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

Conservation Programs:

| Demand savings (kW): | Summer | 0.00 | Report Winter Demand (kW) | |
|--------------------------------|-----------|---------|---------------------------|---------------------------|
| | | | Winter | 0.00 |
| Energy saved (kWh): | lifecycle | in year | Cumulative Lifecycle | Cumulative Annual Savings |
| | | | 10899131 | 1645160 |
| | 0.00 | | 2006 Lifecycle | 2006 Annual |
| | | | 10899131 | 1645160 |
| <i>Other resources saved :</i> | | | | |
| 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 beginning of year (%):
 Distribution system power factor at end of year (%):

Line Loss Reduction Programs:

Peak load savings (kW):

| | | |
|----------------------|------------------|----------------|
| | <i>lifecycle</i> | <i>in year</i> |
| Energy 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*:

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

E. Assumptions & Comments:

Total of 637 direct mail coupons and 8924 in-store coupons.

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

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

Appendix B - Discussion of the Program

(complete this section for each program)

A. **Name of the Program:** 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: | #REF! | #REF! | #REF! | #REF! |
| Efficient technology: | CFLs | Ceiling Fan | Timers | Progr. Thermostats |
| Number of participants or units delivered: | 0.00 | 0.00 | 0.00 | 0.00 |
| Measure life (years): | 4.00 | 20.00 | 20.00 | 18.00 |
| Number of participants or units 2005 | 3377 | 51 | 79 | 16 |
| Number of Participants or units delivered life-to-date | 3,377.00 | 51.00 | 79.00 | 16.00 |

| B. TRC Results: | Reporting Year | | 2006 TRC Results | Life-to-date TRC Results: |
|---|--------------------|---------|------------------|---------------------------|
| | TRC Benefits (\$): | \$ | - | \$ 94,164.98 |
| Measure's Costs (\$): | | | | |
| Utility program cost (less incentives): | \$ | - | \$ 10,570.50 | \$ 10,570.50 |
| Incremental Measure Costs (Equipment Costs) | \$ | - | \$ - | \$ - |
| Total TRC costs: | \$ | - | \$ 10,570.50 | \$ 10,570.50 |
| Net TRC (in year CDN \$): | | \$0.00 | \$ 83,594.48 | \$ 83,594.48 |
| Benefit to Cost Ratio (TRC Benefits/TRC Costs): | | #DIV/0! | \$ 8.91 | \$ 8.91 |

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

Cumulative Results:

Conservation Programs:

| Demand savings (kW): | Summer | 1.36 | Report Winter Demand (kW) | |
|-------------------------|-----------|------|---------------------------|---------------------------|
| | | | Winter | 1.36 |
| | | | | |
| | | | | |
| Energy saved (kWh): | lifecycle | 0.00 | Cumulative Lifecycle | Cumulative Annual Savings |
| | | | 1710083.16 | 338809.55 |
| | | | 2006 Lifecycle | 2006 Annual |
| | | | 1710083.16 | 338809.55 |
| 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 beginning of year (%): | |
| Distribution system power factor at end of year (%): | |

Line Loss Reduction Programs:

| | |
|-------------------------|--|
| 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*:

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

E. Assumptions & Comments:

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

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