GRIMSBY POWER INCORPORATED

ANNUAL REPORT

to

ONTARIO ENERGY BOARD

on

Conservation and Demand Management Programs

Table of Contents

1.	Introduction	3
	Shared NEPPA Activities	4
	GPI/Local Activities	4
2.	Evaluation of the CDM Plan	5
3.	Discussion of Programs	5
	Co-branding	
	Don't be a Fridge Magnet	
	LED Christmas Light Exchange Program	
	Conserver Joe	
	Energy Audit	6
	Windows Program	7
	Energy Audit (GS>50 class)	7
	Lighting Seminar	7
	> Smart Metering	
	Distribution Loss	
	Next Steps	8
4.	Lessons Learned	8
	Utility Size Challenges	
	Shared Initiatives	
	Local Initiatives	
	Customer Education Programs	
	Summary	
5.	Conclusion	10

1. Introduction

The following report is the Grimsby Power Incorporated (GPI) results and activities relating to Conservation and Demand Management (CDM) during the calendar year 2006. In this introductory section we will provide some of the approval background for the plan and then an overview of the activities and results of those activities.

The GPI CDM plan was based on Niagara Erie Public Power Alliance (NEPPA) Conservation and Demand Management Plan (Ontario Energy Board File No. RP-2004-0203). The GPI Market Adjusted Revenue Requirement of \$221,750 over the plan period was approved by the OEB on March 23rd, 2005 (Board File No. RP-2004-0203 / EB 2004-0523). The NEPPA plan had nine (9) applications filed and comprised of Canadian Niagara Power Inc. Grimsby Power Inc., Haldimand County Hydro Inc. Niagara Falls Hydro Inc., Niagara On The Lake Hydro Inc., Norfolk Power Distribution Inc., Peninsula West Utilities Limited Inc., St. Catharines Hydro Utility Services Inc., and Welland Hydro-Electric System Corp. Each LDC filed a separate schedule, which outlined their specific plan. Schedule 2 of the plan documents the GPI projects and customers associated with the various initiatives.

The following table shows the approved plan expenditures by project as well as actual expenditures to December 31, 2006.

Project	Target Customers	Approved Expenditures	Expenditures in 2006	Expenditures to Dec. 31, 2006	Percent Spent
Co-branded Mass Market Program	All Users	\$50,250	\$31,500.54	\$42,319.17	84.22%
Smart Metering / Prepaid Metering Program	Residential and small commercial (<50 kW)	\$39,750	-	\$5,128.28	12.90%
Energy Audits Programs	Residential and small commercial (<50 kW)	\$15,500	\$6,718.77	\$7,992.74	51.57%
Smart Metering / Interval Metering Program	Large commercial (>50kW)	\$22,500	-	\$00.00	0%

Energy Audits / Feasibility Audits	Large commercial (>50kW)	\$2,750	\$2,612.53	\$2,838.56	103.22%
Distribution Loss Reduction	All Users	\$91,000	-	\$27,208.44	29.90
	Total	\$221,750	\$40,831.84	\$85,487.73	38.55%

As shown in the table, some of the planned projects are underway and smart metering is not going to be implemented due to government regulation. However, it is now our intention to shift these funds to other programs that is going to benefit the same customer groups.

To make our initiatives as cost effective and beneficial for our customers as possible, we have shared and continue to share programs with other utilities as well as implementing local programs specifically designed for our customers and their needs. In the following information we provide an overview of each of these shared and local programs.

Shared NEPPA Activities

As an active participant with the NEPPA group we have helped and continue to develop the "Conserver Family" customer education and information program. This program includes an introductory booklet, energy saving bill inserts, radio scripts and a web site for "Conserver Family" energy saving tips directly at www.conserverjoe.com/np/ or on our website at www.grimsbypower.com/conservation. GPI has paid to continue this ongoing program to educate customers on ways of saving energy and monies.

NEPPA utilities also used the group buying power to purchase LED Christmas lights to be distributed locally.

GPI/Local Activities

The following is a listing and an overview of local programs initiated by GPI specifically for our customers:

• Educational Initiatives:

We continued to provide educational sessions to customers, which does not form part of the spending with the exception of Conserver Joe, which requires on going website maintenance. This initiative was delivered to:

• Town Council, which is delivered via the local community channel to customers in our area both live and later by videotape.

- Service Clubs have invited GPI to speak to them on critical issues and we have taken advantage of the opportunity to deliver our key message.
- Lighting Seminar:

Large industrial users of power were invited to participate in a seminar aimed at reducing their power bill through more energy efficient lighting.

Load Control

We are studying ways to implement load control systems along with the Smart Meter Technologies.

• Electrical Distribution System Loss Reduction and system improvements.

In 2005 preliminary work was completed to analyse opportunities and plan for distribution system efficiency improvements. We were delayed in implementation in 2006. However, we expect to complete this activity in 2007.

• Green Power Study

We have initiated a proposal regarding Green Energy and potentially Greening the Community.

2. Evaluation of the CDM Plan

We have continued to move cautiously throughout 2006 as we are examining some lessons learned by others so that we can be assured of prudent programs aimed at delivering a high value for our customers. We remain concerned that there is now an adjustment to the total resource costing (TRC) due to OEB decisions.

Despite our decision, the programs we offered our customers were well received and appeared to be accepted by many consumers. We continue to believe that many consumers want/need some financial incentive/rebate to prod them into purchasing more expensive items like a CFL versus an incandescent bulb.

In our preliminary discussions with larger commercial customers it appears they need a minimum one-year payback to cover it off in an existing budget. This will be a challenge to effectively deliver programs to this customer class.

For 2006, we were focused on Co-branding / Mass Marketing and Residential Energy Audit programs. Our programs were successful in reducing 2,000,000 lifetime kWhs and 150,000 kWh for the year. The benefit / cost ratio was 3.76 to 1 while peak demand was reduced by 51kW.

For 2007, we plan to focus Distribution Loss programs and the Smart Metering monies, which we plan to move into other areas to assist that customer group conserve. We have purchased software in 2007 to effectively calculate and reduce our distribution losses as an indication of our commitment to this area.

3. Discussion of Programs

GPI delivered the following programs to customers.

Co-branding

These programs were targeted at residential and small commercial customers.

• Don't be a Fridge Magnet

This program encouraged customers to remove old secondary "beer" refrigerators. GPI offered free pickup and recycling of the secondary fridge through a local appliance recycler. The cost was slightly more than the value in the TRC to ensure the refrigerator was disposed of in an environmentally friendly way so that land fills were not be burdened by the program. GPI also offered a free \$30 Coupon Package that allowed customers to redeem coupons at a local Canadian Tire for 6 free 13 watt CFLs and a free appliance timer. The energy savings were substantial for the 62 customers who participated. The net present value (NPV) of the Total Resource Cost (TRC) was \$17,700 with a 3 to 1 benefit/cost ratio for the refrigerator retirement only. The benefit/cost ratio of the CFLs and appliance timer giveaways were 12 to 1 because only incremental costs were included. Next year, the OPA is administering an appliance retirement program (not just refrigerators) that should have greater benefits if more than one type of appliance is picked up for the same service call.

• LED Christmas Light Exchange Program

Two (2) free sets of LED lights were given to our customers in exchange for one (1) set of old incandescent lights. This program proved very popular as 2,148 sets of lights were given out. The program was promoted by newspaper advertising and customer bill inserts. This program was a huge success as the NPV of the TRC was \$31,400 with a 4.3 to 1 benefit / cost ratio. This program could be run again but on a smaller scale as customer demand may be lower as we had some lights left over, which we were able to sell to another NEPPA LDC who had not run the program.

Conserver Joe

This was an educational program that was jointly developed by the NEPPA group. We made Conserver Joe a few years back in an initial attempt to promote conservation prior to a regulated requirement. We further developed Conserver Joe to have a family consisting of a wife and children. The booklet we developed was an effort to reach the entire family through the educational messages.

For 2006, we maintained our website. We also worked with District School Board of Niagara that has developed an entire educational program.

Energy Audit

This program was targeted at residential and small commercial customers.

• Windows Program

This was a rebate program offered in partnership with 5 local window contractors. A \$75 rebate was offered for each window having a price over \$250. The window installed had to be Energy Star efficient. GPI paid \$25 of the rebate and the \$50 balance was offered by the local contractor. This joint program saw 179 energy efficient windows installed by 17 customers. The NPV of the TRC was \$6,900 with a 2.5 to 1 benefit/cost ratio. We expect to re-introduce the program in 2007 because it is an effective program and appeared additional customers would participate again in this type of program. We found that the rebates provided by the retailers as an incentive, \$50, actually reduced the incremental cost to customers to a negative value. This means that the customer is saving more than the cost to go to an energy efficient window than the actual incremental cost.

This should see the balance of the budgeted funds spent in 2007.

Energy Audit (GS>50 class)

• Lighting Seminar

Nine (9) individuals representing six (6) large industrial users of power attended our lighting seminar held at the Casablanca Winery Inn. A spreadsheet presentation by Bill Dodds was shown over breakfast with Linda Conejo from Sylvania available to answer questions about lighting products. The seminar was well received with positive responses and questions. Unfortunately, no TRC benefit can be calculated but we showed our large users of power how to save through energy efficient lighting, which we consider as 'low hanging fruit'. However, we feel that these programs are important in educating the consumer. We plan on assisting this customer group to install LED lamps that could be placed in exit signs as we transfer Smart Metering monies to this group.

Smart Metering

This program was targeted at residential and small commercial customers.

GPI joined the Ontario Utility Smart Metering group (OUSM) to partner with other LDCs to effectively pilot and study the best solutions for GPI. Cooperatively, OUSM tested many technologies from Smart Meters to communication protocols. OUSM proactively engaged LDCs and manufacturing companies to provide a detailed analysis of the test results, which were shared between all participants. December 13, 2005 the results of this initiative were presented to the participants. Unfortunately, the government introduced legislation prohibiting LDCs from further funding this initiative. Therefore, this project from a CDM initiative is complete and it is difficult to assess any TRC benefit, so none is provided.

No further programs were spent in 2006. However, we plan to shift these monies to other programs to benefit the targeted customer groups.

Distribution Loss

This program was targeted to assist all customer classes served by GPI.

GPI has initiated a long-term plan to analyze the overall lowest cost line construction methodology to reduce the system losses within our LDC. In 2005, we initiated a line rebuild, which will eventually tie into an alternative power supply, which will lower our overall system losses. One portion of this project was completed in 2005 and the balance was to be done in 2006. As part of this work, we are optimizing conductor size and installing lower impedance transformers to reduce the losses currently in the system. It is also our intention to eliminate older distribution stations. The transformers in theses distribution stations have high impedance losses that compound the overall system losses. Since this project is only partially finished, we have estimated the TRC benefit solely for the portion of the line that was constructed in 2005.

No additional programs were initiated in 2006 but software was purchased in 2007 to calculate and reduce distribution loss. We also plan to complete the new in 2007. We had previously expected to do this work in 2006. This new line will bring power to the community and reduce the system losses.

Next Steps

GPI is committed to working with partners to deliver programs\joint ventures to effectively deliver CDM. In 2007, we plan to:

- Continue customer education through the further development of Conserver Joe with NEPPA LDCs;
- Deliver energy saving ideas and free products such as fridge/freezer thermometers, an energy saving board game and four 13 watt CFLs at trade shows or senior homes.
- Sign a master agreement with the OPA to participate in 4 new programs: appliance retirement, business incentive, summer challenge and residential demand;
- Our focus will be on finding ways to effectively spend our Distribution Loss and Smart Metering monies
- We are planning to continue with the Windows Replacement program, as this would be an effective way to spend our approved Energy Audit budget.

4. Lessons Learned

Utility Size Challenges

As a relatively small utility (approximately 9,500 customers) we face challenges that larger utilities do not share. Costs to initiate and operate CDM programs are generally not dependent on utility size. This makes program development and administration cost control difficult. In addition, meeting regulatory and reporting requirements, while important, become a high cost when compared to the overall program budget. These regulatory costs are typically independent

of utility size. A regulatory cost of \$20,000 may be a relatively insignificant in a budget of millions of dollars but significantly reduces the funds available for customer programs when a total CDM budget is \$221,750! Further, larger utilities are able to use dedicated staff while smaller LDCs assign CDM to an existing staff member along with the myriad of other duties they are required to perform.

A smaller budget restricts the programs that smaller LDCs can offer their customers. This means that customers in smaller LDCs are being disadvantaged to the types of programs being run in larger neighbouring LDCs. This means that the province as a whole is missing an opportunity to reduce load symmetrically across the province.

It appears the provincially funded CDM programs locally delivered allows the province to collectively reduce load. Thereby it maintains the confidence of customers in their local LDC, with a continued position of trust and reliability, and it provides customers with a common collective message from all entities, government, OPA and LDCs. This avoids mixed and confused messages if we are all trying to do our own CDM 'thing'.

GPI has determined that the Windows Replacement program is worth repeating in 2007, as budgeted monies in Energy Audit must be spent. This program has a positive NPV as determined by the TRC software that we use. Our customers responded positively to this program in 2006.

Shared Initiatives

Without question shared initiatives reduce the cost component in delivery of CDM programs. Where they apply to our customer groups, they have proven to be a very effective way of implementing CDM.

Programs can be offered provincially and delivered locally. This way it reduces administration costs and offers a common province wide initiative to the benefit of all consumers and the reduction of demand for the province, which benefits all consumers. Therefore, the 4 new OPA C&DM initiatives listed in Next Steps above should benefit GPI customers with reduced costs.

Local Initiatives

Our own local programs can be effective as long as we can minimize staff time, which has not had any administration costs to date. For example, keep it simple and partner with others who are willing/able to provide administrative support and management of the initiative. This we believe can be best done by the OPA with utility involvement in program design. Customers appear to have a trust in their local utility and see them as their trusted expert in electricity matters. However, the OPA needs to save LDC harmless of risk and work with LDCs to adequate plan the programs at the grass roots versus the '35,000' level.

Customer Education Programs

Customer education remains extremely important, as most customers know little about electricity. An educated customer helps energy efficiency become more of a focus for future consumers of electricity. Certainly one of the lessons learned during 2006 is that, while education is important, it is impossible to quantify the results of customer education. (There is no test.) Statistically accurate survey information is expensive and this expense is of particular concern when the CDM budget is relatively small. Further studies have shown that a cultural change takes many years of continued efforts to achieve the desired results.

The result of this issue with customer education and the validation of results is that this type of CDM component may be stopped in future, unless some type of reduction in the requirements for TRC analysis is made for important customer education initiatives.

Summary

There are 3 key aspects that we should be emphasised on C&DM for the future. They are:

- Customer Education we need to continue to educate customers on the value of CDM from a total resource adequacy perspective and that while some costs may increase, overall their total costs will go down.
- Consistent Messages customers need to hear a clear and consistent message from all players to avoid duplication of effort.
- Pay Back customers want and need to know the pay back of their efforts. Unfortunately, many will not engage a program that is outside of 12 months. Some how we need to determine a strategy that will see these customers engaged.

5. Conclusion

In 2006 CDM the programs GPI was involved with were well received by our customers. Many customers appear to understand and they appear to want to help reduce demand. However, most are unwilling to change/ forfeit comfort. GPI saw a decrease in our total kWh sales despite adding about 100 new customers and our demand grew over 2005, which was significantly warmer than 2006. Customers also need to hear a consistent message from all players active with CDM.

Grimsby Power Incorporated is committed to CDM. It makes sense for everyone and we will continue to offer programs that benefit our customers (in both the short and long term). However, we believe that the best way to deliver CDM is provincially funded locally delivered programs.

Sharing costs and ideas only makes sense to effectively deliver CDM programs and to achieve the desired results.

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.

-	_										
ε Cun Totals L	5 Cumulative Totals Life-to-date	Total for 2006	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System	4 Smart Meters	Other #1	Other #2
	126700.00	\$ 77,200	\$ 77,200	•	- \$	•	· \$	· \$		\$	•
	2.42	5.61	5.61	0.00	0.00	00:00	0.00	00:00		0.00	0.00
	41714.35	12440	12,431		6						
es es	3111252.83	1,999,566	1,999,566	0	0	0	0	0		0	0
	243826.48	154,152	154,152	0	0	0	0	0		0	0
	51	51	51	0	0	0	0	0		0	0
	0.14%	0.17%	0.17%								
		0.03%	0.03%								
69	85,488	\$ 40,831	\$ 37,881	- \$	\$ 2,950	\$	\$	- \$	\$	\$	\$
	0.35	\$ 0.02	\$ 0.02	-	- \$	-	•	· \$		-	- \$
	1,676.63	\$ 800.81	\$ 742.95	-	- \$	· \$	-	- \$		- \$	\$
	8.13										

Expenditures are reported on accrual basis.
 Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate energy savings.
 Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate capacity savings.
 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.
 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.

(complete this Appendix for each program)

A.	Name of the Program:	Refrigerator Retirement Program	1			
	Description of the program (include	ding intent, design, delivery, pa	ertnerships a	and evaluation):		
	Pick up of old refrigerators and a free	e \$30 Coupon Package which inc	cludes 6 Free	e 13W CFL Bulbs and	1 Appliance Tir	mer
	Measure(s):	Measure 1	Measur	e 2 (if applicable)	Measure 3	(if applicable)
	Base case technology:	Keep using secondary fridge		, ,,		
	Efficient technology:	Removal of secondary fridge				
	Number of participants or units					
	delivered for reporting year:	62				
	Measure life (years):	6				
	,					
	Number of Participants or units					
	delivered life to date	62				
		1				
В.	TRC Results:			oorting Year	Life-to-date	TRC Results:
	TRC Benefits (\$): TRC Costs (\$):		\$	26,732.00		
	Utility p	rogram cost (excluding incentives):	\$	2,336.00		
	Incremental	Measure Costs (Equipment Costs)	\$	6,696.00		
		Total TRC costs:	\$	9,032.00		
	Net TRC (in year CDN \$):		\$	17,700.00		
	Benefit to Cost Ratio (TRC Benefits/	TRC Costs):	\$	2.96		
C.	Results: (one or more category may	/ apply)			Cumulati	ve Results:
	Conservation Programs:					
	Demand savings (kW):	Summer	15.1921232	29		
		Winter	16.0520547	'9		
					Cumulative	Cumulative
		lifecycle		in year	Lifecycle	Annual Savings
	Energy saved (kWh):	401760	66960			
	Other resources saved :					
	Natural Gas (m3):					
	Other (specify):					
	Demand Management Programs:					
	Controlled load (kW)	(114/1)				
	Energy shifted On-peak to Mid-peak	•				
	Energy shifted On-peak to Off-peak					
	Energy shifted Mid-peak to Off-peak	: (kWh):				
	Demand Response Programs:					
	Dispatchable load (kW):					
	Peak hours dispatched in year (hour					
	Power Factor Correction Program	<u>s:</u>				
	Amount of KVar installed (KVar):					
	Distribution system power factor at b					
	Distribution system power factor at e	end of year (%):				

Line Loss Reduction Programs:

	Peak load savings (kW):			
		lifecycle	in year	
	Energy savings (kWh):			
	Distributed Generation and Load	l Displacement Programs:		
	Amount of DG installed (kW):			
	Energy generated (kWh):			
	Peak energy generated (kWh):			
	Fuel type:			
	Other Programs (specify):			
	Metric (specify):			
D.	Actual Program Costs:		Reporting Year	Cumulative Life to Date
D.	Actual Program Costs: Utility direct costs (\$):	Incremental capital:	\$ Reporting Year 7,440.00	Cumulative Life to Date
D.		Incremental capital: Incremental O&M:	\$ 	Cumulative Life to Date
D.		•	7,440.00	Cumulative Life to Date
D.		Incremental O&M:	7,440.00	Cumulative Life to Date
D.		Incremental O&M: Incentive:	\$ 7,440.00 2,336.00	Cumulative Life to Date
D.		Incremental O&M: Incentive:	\$ 7,440.00 2,336.00	Cumulative Life to Date
D.	Utility direct costs (\$):	Incremental O&M: Incentive: Total:	\$ 7,440.00 2,336.00	Cumulative Life to Date
D.	Utility direct costs (\$):	Incremental O&M: Incentive: Total: Incremental capital:	\$ 7,440.00 2,336.00	Cumulative Life to Date

E. Assumptions & Comments:

For the \$30 Coupon Package items the TRC Benefits are calculated separately

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. costs under the "Utility Program Costs" line.

(complete this Appendix for each program)

A.	Name of the Program:	6 Free 13W CFLs				
	Description of the program (include	ding intent, design, delivery, pa	rtnersh	ips and evaluation):		
	Distributed as part of the refrigerator	- , - , - , - , - , - , - , - , - , - ,		. ,		
	Distributed as part of the reingerator	retirement program.				
	Measure(s):					
		Measure 1	Mea	asure 2 (if applicable)	Measure 3	(if applicable)
		Incandescent 60W bulb				
	Efficient technology:	13W CFL Bulb				
	Number of participants or units					
	delivered for reporting year:	372				
	Measure life (years):	4				
	Number of Participants or units					
	delivered life to date					
<u>B.</u>	TRC Results:			Reporting Year	Lifo-to data	TRC Results:
	TRC Benefits (\$):		\$	8,370.00	Lile-to-uate	I KC Kesuits.
	TRC Costs (\$):		Φ	8,370.00		
	Utility p	rogram cost (excluding incentives):	\$	-		
	Incremental	Measure Costs (Equipment Costs)	\$	670.00		
		Total TRC costs:	\$	670.00		
	Net TRC (in year CDN \$):		\$	7,700.00		
	Benefit to Cost Ratio (TRC Benefits/	TRC Costs):	\$	12.49		
C.	Results: (one or more category may	rapply)			Cumulati	ve Results:
	Conservation Programs:					
	Demand savings (kW):	Summer				
	Demand Savings (KVV).		7.533			
		Winter	7.555			
					Cumulative	Cumulative
		lifecycle		in year	Lifecycle	Annual Savings
	Energy saved (kWh):	139812.48		34,953.12		
	Other resources saved :			,		
	Natural Gas (m3):					
	Other (specify):					
	Demand Management Programs:					
	Controlled load (kW)					
	Energy shifted On-peak to Mid-peak					
	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 (hour	rs):				
	Power Factor Correction Program	<u>s:</u>				
	Amount of KVar installed (KVar):					
	Distribution system power factor at b	peginning of year (%):				
	Distribution system power factor at e	end of year (%):				
	•					

Line Loss Reduction Programs:

	Peak load savings (kW):			
		lifecycle	in year	
	Energy savings (kWh):			
	Distributed Generation and Load Amount of DG installed (kW): Energy generated (kWh): Peak energy generated (kWh): Fuel type:	Displacement Programs:		
	Other Programs (specify):			
	Metric (specify):			
D.	Actual Program Costs:		Reporting Year	Cumulative Life to Date
D.	Actual Program Costs: Utility direct costs (\$):	Incremental capital:	Reporting Year \$ 939.3	Cumulative Life to Date
D.		Incremental capital: Incremental O&M:		
D.		•		
D.		Incremental O&M:		1
D.		Incremental O&M: Incentive:	\$ 939.3	1
D.		Incremental O&M: Incentive:	\$ 939.3	1
D.	Utility direct costs (\$):	Incremental O&M: Incentive: Total:	\$ 939.3	1
D.	Utility direct costs (\$):	Incremental O&M: Incentive: Total: Incremental capital:	\$ 939.3	1

E. Assumptions & Comments:

TRC Benefits calculated for a 15W CFL as a 13W CFL was not in the Assumptions and Measures listing.

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.

(complete this Appendix for each program)

A.	Name of the Program:	Appliance Timers					
	Description of the program (include	ling intent, design, delivery, par	tnerships a	nd evaluation):			
	1 Free Appliance Timer was given fo duty lamps or appliances.	r each refrigerator pick up. This ti	mer controls	one of the following	ıg: he	eaters, air cond	ditioners, heavy-
	Moasuro(s):						
	measure(s).	Measure 1	Measur	e 2 (if applicable)		Measure 3	(if applicable)
	Base case technology:	No appliance timer		o = (appcas.c)			(appcab.c)
	Description of the program (inclu 1 Free Appliance Timer was given to duty lamps or appliances. Measure(s): Base case technology: Efficient technology: Number of participants or units delivered for reporting year: Measure life (years): Number of Participants or units delivered life to date TRC Results: 1 TRC Benefits (\$): 2 TRC Costs (\$): Utility Increment Net TRC (in year CDN \$): Benefit to Cost Ratio (TRC Benefits Results: (one or more category material conservation Programs: Demand savings (kW): Energy saved (kWh): Other resources saved: Natural Gas (m3, Other (specify)) Demand Management Programs: Controlled load (kW) Energy shifted On-peak to Mid-peak Energy shifted On-peak to Off-peak	Timer					
	Description of the program (inclu 1 Free Appliance Timer was given aduty lamps or appliances. Measure(s): Base case technology: Efficient technology: Number of participants or units delivered for reporting year: Measure life (years): Number of Participants or units delivered life to date TRC Results: TRC Benefits (\$): TRC Costs (\$): Utility Increment Net TRC (in year CDN \$): Benefit to Cost Ratio (TRC Benefits Results: (one or more category materials) Conservation Programs: Demand savings (kW): Energy saved (kWh): Other resources saved: Natural Gas (m3) Other (specify) Demand Management Programs: Controlled load (kW) Energy shifted On-peak to Off-peak Energy shifted Mid-peak to Off-peak Demand Response Programs: Dispatchable load (kW):	62					
	Measure life (years):	20					
	Description of the program (included of the program of the program (included of the program of the program of the program of the program (included of the program						
В.	TRC Results:		Re	porting Year		Life-to-date	TRC Results:
1			\$	6,749.6	62		
2	TRC Costs (\$):						
	Utility p	program cost (excluding incentives):	\$	-			
	Incrementa	I Measure Costs (Equipment Costs)	\$	549.6	62		
		Total TRC costs:	\$	549.6	62		
	Net TRC (in year CDN \$):		\$	6,200.0	00		
	Benefit to Cost Ratio (TRC Benefits/	TRC Costs):	\$	12.2	28		
C.	Results: (one or more category may	apply				Cumulati	ve Results:
	Conservation Programs:						
	=	Summer					
	zemana carmge (mr).	Winter	5.26732758	36			
		776.	0.20.02.00				
						Cumulative	Cumulative
		lifecycle		in year		Lifecycle	Annual Savings
	, ,	162936		8,146.8	30		
	Other resources saved :						
	Natural Gas (m3):						
	Other (specify):						
	Demand Management Programs:						
	` ,	(kWh):					
	Energy shifted Mid-peak to Off-peak	,					
	Demand Response Programs:						
	· · · · · · · · · · · · · · · · · · ·						
	Peak hours dispatched in year (hours	s):					
	Power Factor Correction Programs	<u>s:</u>					
	Amount of KVar installed (KVar):						
	Distribution system power factor at b						
	Distribution system power factor at e	nd of year (%):					

	Line Loss Reduction Programs:				
	Peak load savings (kW):				
		lifecycle		in year	
	Energy savings (kWh):				
	<u>Distributed Generation and Load I</u> Amount of DG installed (kW): Energy generated (kWh):	Displacement Programs:			
	Peak energy generated (kWh):				
	Fuel type:				
	Other Programs (specify):				
	Metric (specify):				
D.	Actual Program Costs:			Reporting Year	Cumulative Life to Date
	Utility direct costs (\$):	Incremental capital:	ሰ	610.69	
	Othing direct costs (\$).	пистеппенцаї саршаї.	\$	010.09	
	Othing direct costs (\$\phi).	Incremental O&M:	Ф	010.09	
	Ottilly diffect costs (\$\phi).	'	Ф	010.09	
	Ounty unect costs (\$).	Incremental O&M:	\$	610.69	
	,	Incremental O&M: Incentive: Total:			
	Utility indirect costs (\$):	Incremental O&M: Incentive: Total: Incremental capital:			
	,	Incremental O&M: Incentive: Total: Incremental capital: Incremental O&M:			
	,	Incremental O&M: Incentive: Total: Incremental capital:			
	,	Incremental O&M: Incentive: Total: Incremental capital: Incremental O&M:			
E.	,	Incremental O&M: Incentive: Total: Incremental capital: Incremental O&M:			
E.	Utility indirect costs (\$):	Incremental O&M: Incentive: Total: Incremental capital: Incremental O&M:			
E .	Utility indirect costs (\$):	Incremental O&M: Incentive: Total: Incremental capital: Incremental O&M:			

Used outdoor lights for TRC Benefits and assumed 1/2 energy savings by reducing the number distributed by 1/2.

Benefits should be estimated if costs have been incurredand 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.

(complete this Appendix for each program)

٩.	Name of the Program:	Window Replacement				
	Description of the program (inclu	ding intent, design, delivery	, pa	rtnerships and evaluation):		
	Energy efficient windows over \$250 \$25 rebate.	were installed with a \$50 reba	ate p	er window from the vendor. Gri	msby Power pa	id an additional
	Measure(s):					
	Dana anna tankundanuu	Measure 1		Measure 2 (if applicable)	Measure 3	(if applicable)
	Base case technology: Efficient technology:	Exisiting windows Energy efficient windows				
	Number of participants or units	Lifergy emolent windows				
	delivered for reporting year:	1	79			
	Measure life (years):		25			
	Months of Davids and a contra					
	Number of Participants or units delivered life to date	1	79			
3.	TDC Besulter			Dan antin a Vaan	life to dete	TDC Beaulter
	TRC Results: TRC Benefits (\$):			Reporting Year \$ 11,236.98		TRC Results:
	TRC Costs (\$):			71,200.00		
	` '	program cost (excluding incentives	s):	\$ 2,573.33		
	Incremental	Measure Costs (Equipment Cost	ts) -	\$ 6,436.35		
		Total TRC cos	ts: -	\$ 3,863.02		
	Net TRC (in year CDN \$):			\$ 15,100.00		
	Benefit to Cost Ratio (TRC Benefits	/TRC Costs):		\$ 2.91		
	Results: (one or more category may	v apply)			Cumulat	ive Results:
		,				
	Conservation Programs:					
	Demand savings (kW):	Summer Winter		2 5.325581395		
		winter	•	5.325561395		
		lifecycle		in year	Cumulative Lifecycle	Cumulative Annual Savings
	Energy saved (kWh):	138532.5406		5,541.30		
	Other resources saved :					
	Natural Gas (m3):		554	1742.16		
	Other (specify):					
	<u>Demand Management Programs:</u> Controlled load (kW)					
	Energy shifted On-peak to Mid-peak	(kWh):				
	Energy shifted On-peak to Off-peak					
	Energy shifted Mid-peak to Off-peak	(kWh):				
	Demand Response Programs:					
	Dispatchable load (kW):					
	Peak hours dispatched in year (hou	rs):				
	Power Factor Correction Program	is:				
	Amount of KVar installed (KVar):					
	Distribution system power factor at l	beginning of year (%):				
	Distribution system power factor at e	end of year (%):				
	Line Loss Reduction Programs: Peak load savings (kW):					
	i can load saviligs (NVV).	lifecycle		in year		
	Energy savings (kWh):	шесуыс		iii yeai		
		Displacement December				
	<u>Distributed Generation and Load</u> Amount of DG installed (kW):	<u> טואטומcement Programs:</u>				

Energy generated (kWh):	
Peak energy generated (kWh):	
Fuel type:	

Other Programs (specify):

Metric (specify):

D.	Actual Program Costs:		Reporting Year	Cumulative Life to Date
	Utility direct costs (\$):	Incremental capital:		
		Incremental O&M:	\$ 2,573.33	
		Incentive:	\$ 4,475.00	
		Total:	\$ 7,048.33	
	Utility indirect costs (\$):	Incremental capital:		
		Incremental O&M:		
		Total:		

Assumptions & Comments:

The Calculated TRC values were not done using the TRC tables but rather with the data and information contained within a report tiltled "Potential Savings for Energy Star Windows, Doors and Skylights" completed on behalf of Natural Resources Canada by Enermodal Engineering in 2005. Vendor rebates of \$50 per window were included as an incentive in this program because they are neither utility c customer costs. The incremental cost of installing an energy efficient 15 square foot window was determined to be \$10 from an independent vendor. Natural gas savings are calculated based on future gas pricing supplied by Union Gas and using the NPDI discount rate for the NPV calculation of those savings.

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.

(complete this Appendix for each program)

nt, design, delivery, pa		
	artnerships and evaluation):	
ew sets of LED lights		
ew sets of LED lights		
Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
scent Christmas lights ts	(,,,,	
2148 40		
40		
1076		
		Life to date TDC Beauty
	Reporting Year 40,875.2	Life-to-date TRC Results
ost (excluding incentives):	\$ 1,152.2	20
Costs (Equipment Costs)		
Total TRC costs:		
	\$ 31,400.0	00
sts):	\$ 4.3	31
		Cumulative Results:
		<u>oumulative results.</u>
C		
Summer Winter	16 80996014	
	10.00000014	
lifecycle	in year	Cumulative Cumulative Lifecycle Annual Savi
lifecycle 5.258		Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
•	in year	Lifecycle Annual Savi
5.258	in year	Lifecycle Annual Savi
5.258 1 of year (%):	in year	Lifecycle Annual Savi
5.258 1 of year (%): ar (%):	in year 38,550.8	Lifecycle Annual Savi
5.258 1 of year (%):	in year	Lifecycle Annual Savi
10	lifecycle 158 If year (%):	38,550.8

	Peak energy generated (kWh): Fuel type:			
	Other Programs (specify):			
	Metric (specify):			
D.	Actual Program Costs:		Reporting Year	Cumulative Life to Date
	Utility direct costs (\$):	Incremental capital:	\$ 13,046.36	
		Incremental O&M:	\$ 1,152.20	
		Incentive:		
		Total:	\$ 14,198.56	
	Utility indirect costs (\$):	Incremental capital:		
		Incremental O&M:		
		Total:		

E. Assumptions & Comments:

Energy generated (kWh):

The 2 for 1 exchange adjusted the incremental equipment costs: 1 set @ \$5.99(full cost) & 1 set @ \$2.00 incremental cost

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.

(complete this Appendix for each program)

A.	Name of the Program:	Educational Lighting seminar for	large industrial users		
	Description of the program (inclu	ding intent, design, delivery, pa	artnerships and evaluation):		
	Breakfast seminar showing how to d	conserve power through energy e	efficient lighting. A feedback form	on the seminar	was distributed.
	Measure(s):				
	measure(s).	Measure 1	Measure 2 (if applicable)	Measure 3	(if applicable)
	Base case technology:	Use existing lighting	<u>, </u>		
	Efficient technology: Number of participants or units	Energy efficient lighting products			
	delivered for reporting year:				
	Measure life (years):				
	Number of Participants or units				
	delivered life to date	9			
B.	TRC Results:		Reporting Year	Life-to-date	TRC Results:
	TRC Benefits (\$):				
-	TRC Costs (\$):	program cost (excluding incentives):	\$ 2.404.77		
	* *	Measure Costs (Equipment Costs)	- , . - ,		
	Not TDO (in come ODN (f))	Total TRC costs:	\$ 2,404.77		
	Net TRC (in year CDN \$):				
	Benefit to Cost Ratio (TRC Benefits	/TRC Costs):			
C.	Results: (one or more category may	y apply)		Cumulati	ve Results:
	Conservation Programs:				
	Demand savings (kW):	Summer			
		Winter			
				Cumulative	Cumulative
	Francisco de (IslAlla)	lifecycle	in year	Lifecycle	Annual Savings
	Energy saved (kWh): Other resources saved:				
	Natural Gas (m3):				
	Other (specify):				
	Demand Management Programs:				
	Controlled load (kW) Energy shifted On-peak to Mid-peak	(///A/b);			
	Energy shifted On-peak to Off-peak	, ,			
	Energy shifted Mid-peak to Off-peak	• •			
	Demand Response Programs:				
	Dispatchable load (kW):				
	Peak hours dispatched in year (hou	rs):			
	Power Factor Correction Program	ıs:			
	Amount of KVar installed (KVar):	haninging of congress (O()).			
	Distribution system power factor at a Distribution system power factor at a				
	Line Loss Reduction Programs: Peak load savings (kW):				
	3- (····/·	lifecycle	in year		
	Energy savings (kWh):				
	Distributed Generation and Load	Displacement Programs:			
	Amount of DG installed (kW):				

	Energy generated (kWh): Peak energy generated (kWh): Fuel type:			
	Other Programs (specify): Metric (specify):			
	метіс (ѕреспу).			
D.	Actual Program Costs:		Reporting Year	Cumulative Life to Date
	Utility direct costs (\$):	Incremental capital:		
		Incremental O&M:	\$ 2,404.77	
		Incentive:	\$ 545.60	
		Total:	\$ 2,950.37	
	Utility indirect costs (\$):	Incremental capital:		
		Incremental O&M:		
		Total:		

E. Assumptions & Comments:

Benefits should be estimated if costs have been incurred <u>and</u> 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.

(complete this Appendix for each program)

A.	Name of the Program:	Conserver Joe Educational Awar	ene	ess		
	Description of the program (include	ling intent, design, delivery, par	rtne	erships and evaluation):		
	See report. Started in 2005.					
	Measure(s):	Measure 1		Measure 2 (if applicable)	Measure 3	(if applicable)
	Base case technology:	Limited Education on C&DM		ivieasure 2 (ii applicable)	Measure 3	(ii applicable)
		Promote C&DM				
	Number of participants or units					
	delivered for reporting year:	9604				
	Measure life (years):	10				
	Number of Participants or units					
	delivered life to date	9604				
B.	TRC Results:			Reporting Year	Lifo to dato	TRC Results:
	TRC Benefits (\$):			reporting real	<u>Liic-to-date</u>	TRO Results.
	TRC Costs (\$):					
	Utility p	program cost (excluding incentives):	\$	900.00		9318.4
	Incremental	Measure Costs (Equipment Costs)				
	Not TDC (in year CDN ft)	Total TRC costs:	\$	900.00		9318.4
	Net TRC (in year CDN \$):					
	Benefit to Cost Ratio (TRC Benefits/	TRC Costs):				
C.	Results: (one or more category may	apply)			Cumulati	ve Results:
	Conservation Programs:					
	Demand savings (kW):	Summer				
	zemana carmge (mr).	Winter				
					Cumulative	Cumulative
		lifecycle		in year	Lifecycle	Annual Savings
	Energy saved (kWh): Other resources saved:					
	Natural Gas (m3):					
	Other (specify):					
	Demand Management Programs:					
	Controlled load (kW)					
	Energy shifted On-peak to Mid-peak	(kWh):				
	Energy shifted On-peak to Off-peak					
	Energy shifted Mid-peak to Off-peak	•				
	Demand Response Programs:					
	Dispatchable load (kW):					
	Peak hours dispatched in year (hours	s):				
	Power Factor Correction Programs Amount of KVar installed (KVar):	<u>s.</u>				
	Distribution system power factor at b	eginning of year (%):				
	Distribution system power factor at e					

Peak load savings (kW): lifecycle in year	
Energy savings (kWh): Distributed Generation and Load Displacement Programs: Amount of DG installed (kW): Energy generated (kWh): Peak energy generated (kWh): Fuel type:	
Distributed Generation and Load Displacement Programs: Amount of DG installed (kW): Energy generated (kWh): Peak energy generated (kWh): Fuel type:	
Amount of DG installed (kW): Energy generated (kWh): Peak energy generated (kWh): Fuel type:	
Energy generated (kWh): Peak energy generated (kWh): Fuel type:	
Peak energy generated (kWh): Fuel type:	
Fuel type:	
Other Programs (specify):	
Metric (specify):	
D. <u>Actual Program Costs:</u> <u>Reporting Year</u> <u>Cumulative Life to Date</u>	<u>te</u>
Utility direct costs (\$): Incremental capital:	
Incremental O&M: \$ 900.00 \$ 9,31	18.40
Incentive:	
Total: \$ 900.00 \$ 9,31	18.40
I Hilliby in diverse and a (C)	
Utility indirect costs (\$): Incremental capital:	
Utility Indirect costs (\$): Incremental capital: Incremental O&M:	

E. Assumptions & Comments:

Expenses for 2006 related to web hosting. Grimsby Power customers could obtain energy saving tips on-line.

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.

(complete this Appendix for each program)

A.	Name of the Program:	Every Kilowatt Hours Counts Cou	ipon Program		
	Description of the program (include	ding intent, design, delivery, par	tnerships and evaluation):		
	This was a program from 2005. The	TRC results were calculated corre	ectly but the incentives and expe	nses of the prog	ram were recorde
	Measure(s):	Measure 1	Measure 2 (if applicable)	Measure 3	(if applicable)
	Base case technology:		, ,, ,		, ,,
	Efficient technology:				
	Number of participants or units delivered for reporting year:				
	Measure life (years):				
	Number of Participants or units				
	delivered life to date				
	TRC Results: 1 TRC Benefits (\$): 2 TRC Costs (\$):		Reporting Year	Life-to-date	TRC Results:
	• •	program cost (excluding incentives):			
		I Measure Costs (Equipment Costs)			
		Total TRC costs:			
	Net TRC (in year CDN \$):				
	Benefit to Cost Ratio (TRC Benefits/	TRC Costs):			
C.	Results: (one or more category may	/ apply)		Cumulati	ve Results:
	Conservation Programs:				
	Demand savings (kW):	Summer			
		Winter			
				0	0
		lifecycle	in year	Cumulative Lifecycle	Cumulative Annual Savings
	Energy saved (kWh): Other resources saved:				
	Natural Gas (m3):				
	Other (specify):				
	Demand Management Programs:				
	Controlled load (kW) Energy shifted On-peak to Mid-peak	(kWh):			
	Energy shifted On-peak to Off-peak	' '			
	Energy shifted Mid-peak to Off-peak				
	<u>Demand Response Programs:</u> Dispatchable load (kW):				
	Peak hours dispatched in year (hour	rs):			
	Power Factor Correction Program	<u>s:</u>			
	Amount of KVar installed (KVar):				
	Distribution system power factor at but Distribution system power factor at 6	, , ,			
	• •	and or year (76).			
	Line Loss Reduction Programs: Peak load savings (kW):				
	reak load savings (kw).	lifecycle	in year		
	Energy savings (kWh):	,	• • •		
	Distributed Generation and Load	Displacement Programs:			
	Amount of DG installed (kW):				
	Energy generated (kWh): Peak energy generated (kWh):				
	Fuel type:				

Other Programs (specify):

	Metric (specify):				
D.	Actual Program Costs:		<u> </u>	Reporting Year	Cumulative Life to Date
	Utility direct costs (\$):	Incremental capital:			
		Incremental O&M:	\$	933.58	
		Incentive:	\$	3,475.00	
		Total:	\$	4,408.58	
	Utility indirect costs (\$):	Incremental capital:			
		Incremental O&M:			
		Total:			

E. Assumptions & Comments:

The TRC was calculated correctly for 2005 but the gross C&DM expenditure reporting did not include the above.

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 C - Program and Portfolio Totals

Report Year:

2006

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

								Total Peak	Report Year
	TRC	TRC Benefits			Benefit/Co	Benefit/Cost Report Year Total Lifecycle (kWh)	Lifecycle (kWh)	Demand (kW)	Gross C&DM
	Ŭ	(PV)	TRC Costs (PV)	\$ Net TRC Benefits	efits Ratio	kWh Saved	Savings	Saved	Expenditures (\$)
Refridgerator Pick Up	s	26,732	\$ 9,032	s	17,700 2.96	096'99	401,760	16	\$ 9,776
6 Free CFLs with Fridge Pick Up	s	8,370	\$ 670	S	7,700 12.49	34,953	139,812	8	\$ 939
Free Indoor Timer - Fridge Pick Up	s	6,750	\$ 220	€	6,200 12.28	8,147	162,936	5	\$ 611
Windows Replacement	s	11,237	-\$ 3,863	€	15,100 -2.91	5,541	138,533	5	\$ 7,048
LED Xmas Light Exchange	s	40,875	\$ 9,475	€	31,400 4.31	38,551	1,156,525	17	\$ 14,199
EKC Program									\$ 4,409
*Totals App. B - Residential	₽	93,964	\$ 15,864	\$	78,100 5.92	154,152	1,999,566	51	\$ 37,881
Residential Indirect Costs not		4	6						
attributable to any specific program			006 e						
Total Residential TRC Costs			\$ 16,764						
**Totals TRC - Residential	ક	93,964	\$ 16,764	\$	77,200 5.61				

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.

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

		- \$ -
↑	\$	\$
Commercial Indirect Costs not attributable to any specific program	Total TRC Costs	**Totals TRC - Commercial

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.

							Total Peak	Report Year
	TRC Benefits			Benefit/Cost	Benefit/Cost Report Year Total Lifecycle (kWh)	Lifecycle (kWh)	Demand (kW)	Gross C&DM
	(PV)	TRC Costs (PV)	\$ Net TRC Benefits	Ratio	kWh Saved	Savings	Saved	Expenditures (\$)
Name of Program A			· •	0.00				
Name of Program B			· \$	0.00				
Name of Program C				0.00				
Name of Program D			· •	0.00				
Name of Program E			· •	0.00				
Name of Program C			· •	0.00				
Name of Program G			-	0.00				
Name of Program H			· •	0.00				
Name of Program I			· •	0.00				
Name of Program J			· •	0.00				
*Totals App. B - Institutional	\$	\$	-	0.00	0	0)	2,950
Institutional Indirect Costs not attributable to any specific program		2,950						
Total TRC Costs								
**Totals TRC - Institutional	· •	· •	· •	0.00				

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

Name of Program I Name of Program J *Totals App. B - Industrial Industrial Indirect Costs not attributable to any specific program	φ	φ 	မှာ မှာ မှာ	' ' 	0.00		-
Total TRC Costs		€9					
**Totals TRC - Industrial	\$	\$	₩	•	0.00		

Total Peak 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 E Name of Program A Name of Program C Name of Program D Name of Program E	TRC Benefits			1000/19000	- +		(MA) 10 miles	MU 8 7 2 2 2 2 2
				Benefit/Cost	Report Year Lotal	Benefit/Cost Report Year Total Lifecycle (kWh)	Demand (kw)	GIOSS CRUIN
Name of Program A Name of Program C Name of Program C Name of Program D	(PV)	TRC Costs (PV)	\$ Net TRC Benefits	Ratio	kWh Saved	Savings	Saved	Expenditures (\$)
Name of Program C Name of Program C Name of Program D			- ج	00:00				
Name of Program C Name of Program D Name of Program E			· &	00:00				
Name of Program D			· •	0.00				
Name of Program E			· \$	0.00				
			· •	0.00				
Name of Program F			· &	0.00				
Name of Program G			· \$	0.00				
Name of Program H			· &	00:00				
Name of Program I			· &	00.0				
Name of Program J			· \$	0.00				
*Totals App. B - Agricultural	'	-	-	0.00	0	0	0	\$
Agricultural Indirect Costs not	4							
attributable to any specific program								
Total TRC Costs		\$						
**Totals TRC - Agricultural \$	٠	· ·	· •	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.

note: To chical e meganty of the formalds, predocting	c lonning, picaso	ייים מממונים						
							Total Peak	Report Year
	TRC Benefits			Benefit/Cost	Benefit/Cost Report Year Total Lifecycle (kWh)	Lifecycle (kWh)	Demand (kW)	Gross C&DM
	(PV)	TRC Costs (PV)	\$ Net TRC Benefits		kWh Saved	Savings	Saved	Expenditures (\$)
Name of Program A			•	0.00				
Name of Program B			•	0.00				

								- \$ 0			
								0			
								0			
0.00	00.00	0.00	0.00	0.00	0.00	0.00	0.00	00:00			0.00
1	1	1	1	1	1	1	•				•
↔	ક્ક	ક્ક	s	s	ક્ક	ક્ક	ક્ક	\$		-	↔
								₽		\$	€.
								\$			\$
Name of Program C	Name of Program D	Name of Program E	Name of Program F	Name of Program G	Name of Program H	Name of Program I	Name of Program C	*Totals App. B - LDC System	LDC System Indirect Costs not attributable to any specific program	Total TRC Costs	**Totals TRC - LDC System

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 (\$)



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

9. Other #2 Programs
List each Appendix B in the cells below; Insert additional rows as required.
Note: To ensure the integrity of the formulas, please insert the additional rows in the middle of the list below.

							Total Peak	Report Year
	TRC Benefits			Benefit/Cost	Benefit/Cost Report Year Total	Lifecycle (kWh)	Demand (kW)	Gross C&DM
	(PV)	TRC Costs (PV)	\$ Net TRC Benefits	Ratio	kWh Saved	Savings	Saved	Expenditures (\$)
Name of Program A			- ج	00.0				
Name of Program B			· &	00.00				
Name of Program C			· &	00.00				
Name of Program D			· &	00:00				
Name of Program E			٠ ح	00.0				
Name of Program C			· &	0.00				
Name of Program G			· •	00.0				
Name of Program H			· •	0.00				
Name of Program I			· •	00.00				
Name of Program J			-	0.00				
*Totals App. B - Other #2	- \$	- \$	- \$	0.00	0	0	9	\$
Other #2 Indirect Costs not								
attributable to any specific program								
Total TRC Costs		\$						
**Totals TRC - Other #2	\$	٠ د	· *	0.00				

LDC's CDM PORTFOLIO TOTALS

	TRC Benefits			Benefit/Cost	Benefit/Cost Report Year Total Lifecycle (kWh)	Lifecycle (kWh)	Total Peak Demand (kW)	Report Year Gross C&DM
	(PV)	TRC Costs (PV)	\$ Net TRC Benefits	Ratio	kWh Saved	Savings	Saved	Expenditures (\$)
*TOTALS FOR ALL APPENDIX B	\$ 93,964	\$ 16,764	\$ 77,200	5.61	\$ 154,152	\$ 1,999,566	\$ 51	\$ 40,831
Any <u>other</u> Indirect Costs not attributable to any specific program								
TOTAL ALL LDC COSTS		\$ 16,764						
**LDC' PORTFOLIO TRC	\$ 93,964	\$ 16,764	\$ 77,200	5.61				

^{*} 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.

Summary of kW and kWh Reductions

Total Project kWh	1,999,566
Total Annual kWh	154,152
Total Kw	50.5579582

					06	06	06	06	06	06
			kWh		3,9	3,9	3,9	3,9	3,9	3,990
	On Peak	1 am - 5 pm	ΚW		15	15	15	15	15	15
		1	Hours	522						
			kWh		12,337	12,337	12,337	12,337	12,337	12,337
	Off Peak	pm - 7 am	ΚW							
ember - March)		10	Hours	1,614						
Winter (Dec		10 pm	kWh		5,259	5,259	5,259	5,259	5,259	5,259
	Mid-Peak	- 5 pm, 8 -	ΚW							
		11 am	Hours	688						
		pm	kWh		4,602	4,602	4,602	4,602	4,602	4,602
	On Peak	11 am, 5 - 8	MX		16	16	16	16	16	16
		7 - 7	Hours	602						
			Year	lours/Period	1	2	က	4	5	9
				工						
	Winter (December - March)	Winter (December - March) Mid-Peak Off Peak	Winter (December - March)	On Peak	On Peak Mid-Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm 10 pm - 7 am 11 am - 5 pm Hours kWh Hours kWh Hours kWh Hours kWh oq 602 688 1,614 1,614 522 m	On Peak Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm Mid-Peak Off Peak On Peak Hours kWh Hours kWh Hours kWh Hours kWh Hours kW 688 1,614 522 12,337 15 15	Mid-Peak Off Peak Off Peak Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm Hours kWh Hours kWh Hours kWh Hours kWh Hours kW KWh Hours kW KWh Hours kW KWh Hours kW kW KWh Hours kW kW KWh Hours kW kW	On Peak Winter (December - March) Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm Mid-Peak Off Peak Off Peak On Peak Hours kWh Hours kWh Hours kWh Hours kW I,614 KWh Hours kW kW I,614 L3,337 KW KW I,614 I,614	On Peak Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm Mid-Peak Off Peak Off Peak On Peak Hours kWh Hours kWh Hours kWh Hours kWh Hours kW I,614 KWh Hours kW kW KWh I,614 L2,337 kW KW KW I,614 L2,337 KW KW I,614 KW KW I,614 KW KW I,614 KW I,614 KW I,614 KW KW I,614 KW I,614 I,614	Mid-Peak Off Peak Off Peak Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm Mid-Peak Off Peak Off Peak Off Peak On Peak Hours kWh Hours kWh Hours kWh Hours kW kW

Total Project kWh	401,760
Total Annual kWh	096'99
Total Kw	15.622089

23,940

74,023

31,554

27,610

Total

en	Summer (June - September)					Shoulder	Shoulder (April May October November)	October No	vember)			
			Off Peak			Mid-Peak			Off Peak		On Peak	eak
7 - 11 am, 5 - 10 pm		1	10 pm - 7 am	,	7	7 am - 10 pm	ر	1	10 pm - 7 am	n		
¥	kWh	Hours	κW	kWh	Hours	ΚW	kWh	Hours	kW	kWh		
		1,623			1,305			1,623			\$/MWh	Total
	5,985			12,406			9,975			12,406	W/N#	W/N#
	5,985			12,406			9,975			12,406	W/V#	#N/A
	5,985			12,406			9,975			12,406	W/V#	#N/A
	5,985			12,406			9,975			12,406	W/V#	#N/A
	5,985			12,406			9,975			12,406	W/A#	#N/A
	5.985			12.406			9.975			12.406	W/V#	W/N#

74,436

59,851

74,436

35,911

					Calci	Salculated			
Winter						Summer			
Mid-Peak	eak	Off Peak	eak	On Peak	eak	Mid-Peak	eak	Off Peak	eak
\$/MWh	Total	\$/MWh	Total	4/WW/\$	Total	\$/MWh	Total	\$/MWh	Total
A/A	W/N#	W/N#	W/N#	#N/A	W/N#	#N/A	W/N#	W/N#	W/N#
Y/A	W/N#	W/V#	W/W#	#N/A	W/V#	#N/A	#N/A	#N/A	W/V#
Y/A	W/N#	W/V#	#N/A	#N/A	W/V#	#N/A	#N/A	#N/A	W/V#
A/A	W/A#	W/V#	W/N#	#N/A	W/A#	#N/A	#N/A	#N/A	W/V#
W/A#	W/A#	W/V#	W/N#	#N/A	W/A#	#N/A	#N/A	#N/A	W/V#
Y/A	W/A	W/V#	W/W#	#N/A	#N/A	#N/A	#N/A	#N/A	W/V#

			roided Ener	oided Enerlded Generation Avoided Transmission Avoided Distribution	on Avoide	ed Transmis	sion Avoid	ded Distribut	ion	Avoided		Avoided
_	Shoulder		Costs	Costs apacity Costs		Capacity Costs	ర	Capacity Costs		Distribution Losses Distribution Develc	es Distribu	tion Develo
	Off Peak	eak	2005 CAD\$	CAD\$2005 CAD\$)		2005 CAD\$)	S—	(2005 CAD\$)		(2005 CAD\$)		(2005 CAD\$)/k\
	\$/MWh	Total	Total	\$/kW-yr	Total	\$/kW-yr	Total	\$/kW-yr	Total	\$/MWh	Total	
	W/V#	W/V#	#N/A	W/V#	W/N#	W/N#	W/N#	Y/N#	W/V#			6.9
	W/A#	W/V#	W/V#	W/V#	W/V#	W/N#	W/V#	Y/V#	#N/A			
	W/A#	W/V#	W/V#	W/V#	W/V#	W/N#	W/V#	Y/V#	#N/A			
	W/A#	W/V#	W/V#	W/V#	W/V#	W/N#	W/V#	Y/V#	#N/A			
	W/A#	W/V#	#N/A	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A			
#N/A	W/N#	W/V#	W/V#	W/V#	Y/V#	W/N#	Y/N#	Y/N#	#N/A			

											מאני
					Wint	Winter (December - March)	er - March)				
		On Peak			Mid-Peak			Off Peak			On Peak
	2	7 - 11 am, 5 - 8 pm	md	11 am	11 am - 5 pm, 8 - 10 pm	10 pm		10 pm - 7 am			11 am - 5 pm
Year	Hours	ΚW	kWh	Hours	ΚM	kWh	Hours	ΚW	kWh	Hours	MΥ
Hours/Period	602			688			1,614			522	
1		8	5,183			2,591			6,810		•
2		∞	5,183			2,591			6,810		•
က		∞	5,183			2,591			6,810		•
4		8	5,183			2.591			6.810		1

T-1-1-1

10,365

20,731

Total

Total Project kWhs	139,812
Total Annual kWhs	34,953.12
Total kW	8

ed Energy Cost (\$/MWh)	/h)											
Summe	Summer (June - September)	otember)					Shoulde	Shoulder (April May October November)	October No	vember)		
	Mid-Peak			Off Peak			Mid-Peak			Off Peak		On F
7 - 7	7 - 11 am, 5 - 10 pm	md (7	10 pm - 7 am	_	7	7 am - 10 pm	ر	_	10 pm - 7 am	ر	
Hours	κw	kWh	Hours	ΚW	kWh	Hours	ΚW	kWh	Hours	ΚW	kWh	
783			1,623			1,305			1,623			\$/MWh
		3,932			4,670			5,846			5,921	#N/A
		3,932			4,670			5,846			5,921	#N/A
		3,932			4,670			5,846			5,921	#N/A
		3,932			4,670			5,846			5,921	#N/A

23,382

18,682

		eak	Total	W/V#	W/V#	W/V#	W/N#
		Off Peak	\$/MWh	W/N#	#N/A	W/V#	W/V#
		⁄lid-Peak	Total	W/N#	W/N#	W/N#	W/V#
Calculated	Summer	4-biM	4/WW/\$	W/V#	#N/A	#N/A	#N/A
Calcu		eak	Total	W/V#	#N/A	#N/A	W/V#
		On Peak	4/MM/\$	W/V#	W/V#	W/V#	W/N#
		eak	Total	W/N#	#N/A	#N/A	#N/A
		Off Peak	4/WW/\$	W/V#	W/V#	W/V#	W/V#
		⁄lid-Peak	Total	W/V#	W/V#	W/V#	W/N#
	Winter	Mid-F	\$/MWh	W/V#	W/V#	W/V#	W/A#
		^{>} eak	Total	W/N#	W/V#	W/V#	W/N#

				roided Ener	oided Enerlded Generation Avoided Transmission Avoided Distribution	on Avoid	ed Transmis	sion Avoi	ded Distribution		Avoided		Avoided
	Shou	Shoulder		Costs	Costs apacity Costs		Capacity Costs	Ö	Capacity Costs	_	Distribution Losses Distribution Develc	S Distribu	tion Develc
Mid-Peak	ak	Off Peak	eak	2005 CAD\$	CAD\$2005 CAD\$)	<u> </u>	2005 CAD\$)	<u> </u>	(2005 CAD\$)		(2005 CAD\$) (2005 CAD\$)/k\ 	(200	5 CAD\$)/K\
s/MWh	Total	\$/MWh	Total	Total	\$/kW-yr	Total	\$/kW-yr	Total	\$/kW-yr	Total	\$/MWh	Total	
#N/A	#N/A	W/A#	W/N#	W/N#	W/N#	W/V#	Y/V#	W/N#	W/N#	W/N#			6.5
1	#N/A	W/A#	W/V#	#N/A	W/N#	W/V#	W/V#	W/N#	W/N#	W/V#			
#N/A	#N/A	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#	#N/A	#N/A			
4	W/V#	W/N#	W/V#	W/V#	W/V#	W/V#	Y/N#	Y/V#	Y/V#	W/V#			

<u> </u>			딛																						
Ontario Seasonal Average Avoi		On Peak	11 am - 5 pr	ΚW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
verag		o	1 arr	¥																					
ıal Aı			1	Irs	2																				
sasor				Hours	522																				
rio Se						285	,587	,587	,587	,587	,587	785,	785,	,587	,587	,587	,587	,587	,587	,587	,587	,587	,587	,587	,587
Onta				kWh		1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
			_																						
		ak	7 an	ΚW																					
	(1	Off Peak	10 pm - 7 am																						
	Winter (December - March)		10	S	_																				
	er - N			Hours	1,614																				
	cemb																								
	r (De			ų		604	304	304	304	304	304	304	304	304	304	604	304	304	304	304	304	304	304	304	304
	Vinte		nd C	kWh)	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	v
	_	ak	8 - 10					_					_	_		_									
		Mid-Peak	11 am - 5 pm, 8 - 10 pm	ΚW																					
		Σ	m - 5																						
			11 a	Hours	889																				
				_																					
				۸h		1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208
			pm	ΚV																					
		eak	- 11 am, 5 - 8	/		2	2	5	2	2	5	5	2	5	2	5	2	2	2	2	2	2	2	2	5
		On Peak	l am,	ΚW																					
			7 - 11	S																					
				Hours	602																				
H					rio																				
				Year	Hours/Perio	1	7	3	4	2	9	7	∞	6	10	7	12	13	4	15	16	17	18	19	20
					Hour																				

Total Project kWh	162,936
Total Annual kWh	8,146.80
Total Kw	2

12,080

24,159

Totals

		On F		Wh	\ Y	 	\	Y	 	\	 	\	Y	\	\	Y	Y	\	Y	4	\	Y	Y	Y /
				\$/MWh	W/N#	W/V#						W/V#												#N/A
		_	kWh		1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380
	ovember)	Off Peak 10 pm - 7 am	ΚW																					
	October No		Hours	1,623																				
	Shoulder (April May October November)		kWh		1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362	1,362
	Shoulder	Mid-Peak 7 am - 10 pm	KW																					
		7	Hours	1,305																				
			kWh		1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089
		Off Peak 10 pm - 7 am	KW																					
		1	Hours	1,623																				
	tember)	md	kWh		917	917	917	917	917	917	917	917	917	917	917	917	917	917	917	917	917	917	917	917
/h	Summer (June - September)	Mid-Peak 7 - 11 am, 5 - 10 pm	ΚW																					
Cost (\$/MW	Summer (7 - 11	Hours	783																				
ided Energy Cost (\$/MWh		ב	kWh		1	ı	ı	1	ı	ı	ı	ı	1	1	ı	1	1	1	1	1	1	1	1	•

27,250

21,772

			L		Calc	Calculated				
Winter						Summer				
Mid-Peak Off Peak	Off Pe	θ _C	ak	On F	On Peak	Mid-Peak	^{>} eak	Off Peak	^{>} eak	Mid-l
\$/MWh Total \$/MWh	\$/MWh		Total	\$/MWh	Total	\$/MWh	Total	\$/MWh	Total	\$/MWh
W/N# A/N#	#N/A		#N/A	W/N#	W/V#	W/N#	W/V#	W/N#	W/N#	#N/A
#N/A #N/A	#N/A		W/N#	W/V#	#N/A	W/N#	#N/A	W/V#	W/V#	#N/A
#N/A #N/A	#N/A		#N/A	W/V#	#N/A	W/N#	#N/A	W/V#	W/V#	#N/A
4/N# A/N#	#N/A	#	FN/A	#N/A	#N/A	W/N#	#N/A	#N/A	W/V#	#N/A
4/N# A/N#	#N/A	#	N/A	#N/A	#N/A	W/N#	#N/A	#N/A	W/V#	#N/A
#N/A #N/A #IN/A #I	#N/A	#	Y/A	W/V#	#N/A	W/N#	W/V#	W/V#	W/V#	#N/A
4/N# A/N#	#N/A	#	Y/	#N/A	#N/A	W/N#	#N/A	#N/A	W/V#	#N/A
#N/A #N/A	#N/A	#	Y/	W/V#	#N/A	W/N#	#N/A	W/V#	W/V#	W/V#
#N/A #N/A	#N/A	#	ĕ	#N/A	#N/A	W/N#	W/V#	#N/A	W/V#	W/V#
#N/A #N/A	#N/A	#	V/	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	W/V#
#N/A #N/A	#N/A	#	A/V	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	W/V#
#N/A #N/A	#N/A	#	∀	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	W/V#
#N/A #N/A	#N/A	#	4	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	W/V#
#N/A #N/A	#N/A	#	∀	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	W/V#
#N/A #N/A	#N/A	#	Y/	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	W/V#
#N/A #N/A	#N/A	#	Y/	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	W/V#
#N/A #N/A	#N/A	#	A/A	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	#N/A
#N/A #N/A	#N/A	#	EN/A	W/V#	#N/A	W/N#	#N/A	#N/A	W/V#	#N/A
4/N# A/N#	#N/A	#	#N/A	W/V#	#N/A	W/N#	W/V#	W/V#	W/V#	#N/A
A/N# A/N#	#N/A		W/V#	W/V#	#N/A	Y/N#	W/V#	W/N#	W/N#	W/V#

	poment	V-yr																					
Avoided	Distribution Losses Distribution Development	(2005 CAD\$)/kW-yr		6.5																			
	ses Distrib	(200	Total																				
Avoided	ribution Los	(2005 CAD\$)	\$/MWh																				
tion			Total	W/N#	W/N#	#N/A	W/V#	W/V#	W/V#	W/V#	W/V#	#N/A	W/V#	#N/A	W/V#	W/V#	#N/A						
led Distribu	Capacity Costs	(2005 CAD\$)	\$/kW-yr	Y/N#	Y/N#	W/V#	Y/N#	Y/N#	Y/N#	Y/N#	Y/N#	W/V#	Y/N#	W/V#	Y/N#	Y/N#	Y/N#	W/V#	Y/N#	Y/N#	Y/N#	W/V#	#N/A
sion Avoic	Ca	(2)	Total	W/N#	Y/V#	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	W/V#	#N/A	#N/A	#N/A	#N/A	W/V#	W/V#	W/V#	W/V#	W/V#	W/V#	#N/A
Avoided Transmission Avoided Distribution	Capacity	(2005 CAD\$)	\$/kW-yr	Y/N#	Y/V#	Y/N#	Y/N#	Y/N#	Y/N#	Y/N#	Y/N#	W/V#	Y/N#	Y/N#	Y/N#	Y/N#	W/V#	W/V#	W/V#	W/V#	W/V#	W/N#	#N/A
tior Avoide	w.		Total	W/N#	Y/V#	W/V#	W/V#	W/V#	W/V#	W/V#	W/V#	W/N#	W/V#	W/V#	W/V#	W/V#	W/N#	W/N#	W/N#	W/N#	W/N#	W/N#	#N/A
oided Eneided Generation	apacity Costs	2005 CAD\$)	\$/kW-yr	W/N#	W/V#	#N/A	W/V#	#N/A	W/V#	#N/A													
roided Ene	Costs	0	Total	W/N#	#N/A																		
		eak	Total	W/N#	Y/V#	W/N#	W/N#	W/N#	W/N#	W/N#	W/N#	W/V#	W/N#	W/N#	W/N#	W/N#	W/V#	W/V#	W/V#	W/V#	W/V#	W/V#	#N/A
	ılder	Off Peak	\$/MWh	W/N#	W/N#	W/N#	W/V#	W/V#	W/V#	W/V#	W/V#	W/N#	W/V#	W/N#	W/V#	W/V#	W/V#	W/N#	W/V#	W/V#	W/V#	W/N#	#N/A
	Shoulder	Peak	Total	#N/A	#N/A	W/N#	W/N#	W/N#	#N/A	W/N#	#N/A	#N/A	#N/A	W/N#	#N/A								

WWh)	Summe		7 - 1	ırs	33																														
ost (\$/	S			Hours	783																														
d Energy C			ر	kWh		•	1	1										1	1	1	1	•	1	•	•	•	•	1	1	1	•	1	1	1	1
ige Avoide		On Peak	11 am - 5 pm	kW		-	1	1										1	1	1	1	1	1	1	•		•	1	1	1	•	1	•	1	1
sonal Avera			1.	Honrs	522																														
Ontario Seasonal Average Avoided Energy Cost (\$/MWh)				kWh		19,275	19.275	19,275	19,275	10.275	19,275	19.275	19 275	19.275	19 275	19.275	19 275	19.275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275	19,275
)		eak	10 pm - 7 am	kW						_																									
	- March)	Off Peak	10 pm	S	4		_			_																									
	Winter (December - March)			Hours	1,614																														
	Winter (I		10 pm	kWh		7,710	7,710	7,710	7,710	7 7 10	7.710	7.710	7.710	7,710	7 7 10	7,710	7 7 10	7.710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710	7,710
		Mid-Peak	11 am - 5 pm, 8 - 10 pm	ΚW																															
			11 am	Hours	889																														
			Jm.	kWh		11,565	11,565	11,565	11,565	11 565	11,565	11.565	11 565	11.565	11 565	11,565	11 565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565
		On Peak	7 - 11 am, 5 - 8 pm	κW		17	17	17	17	17	17	11	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
			7 - 1	Hours	602																														
				Year	Hours/Period	1	2	3	4	. _L) (C) h	- œ) o	10	, L	. 2	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
					Ĭ																														

Total Project kWh	1,156,525
Total Annual kWh	38,550.84
Total Kw	17

231,305

346,958

Totals

	Off F		\$/MWh	W/N#	W/A#	W/N#	W/N#	W/N#	#N/A	W/A#	W/A#	W/A#	W/A#	W/A#	#N/A	#N/A	W/V#	#N/A	W/V#	W/A#	W/N#	W/V#	W/V#	W/N#	W/A#	W/V#	W/V#	W/A#	W/V#	W/A#	W/V#	W/A#	W/A#
	eak		Total	W/N#	W/N#	W/N#	W/N#	W/N#	W/N#	W/V#	W/N#	W/V#	W/N#	W/N#	W/N#	W/V#	W/N#																
Winter	Mid-Peak		\$/MWh	W/N#	#N/A	W/N#	#N/A	W/V#	#N/A	W/A#	#N/A	W/A#	#N/A	W/N#	#N/A	#N/A	W/A#	#N/A	#N/A	#N/A	W/V#	W/V#	W/V#	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	W/A#	W/N#
	eak		Total	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	W/V#	#N/A	W/V#	#N/A	#N/A	#N/A	#N/A	W/V#	#N/A	W/V#	#N/A	W/V#	#N/A	W/V#	#N/A	W/V#	W/V#	#N/A						
	On Peak		\$/MWh	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	W/V#	#N/A	W/V#	#N/A	#N/A	#N/A	#N/A	W/V#	#N/A	W/V#	#N/A	W/V#	#N/A	W/V#	#N/A	W/V#	W/V#	#N/A						
		kWh		٠			1		١	1	١	1	١		١	١	1	١	1	١	1	1	1		1	1	ì	١	ì	١	ì		
vember)	Off Peak	KW A																															
October No	1	Hours	1,623																														
Shoulder (April May October November)		kWh		1	1	1	1		•	1	•	1			•	•	1	•	1	•	1	1	1		1	1		•		•		,	
Shoulder	Mid-Peak 7 am - 10 nm	KW W																															
	7	Hours	1,305																														
		kWh		•			1		•	1	•	1	•		•	•	1	•	1	•	1	ı	1	1	1	1		•		•		•	
	Off Peak	KW A																															
	10	Hours	1,623																														
tember	יוני	kWh		,	1	,	1	,	•	1	1	1	1	1	•	•	1	•	1	1	1	1	1	•	1	1	1	1	1	1	1	,	1
(June - September	Mid-Peak	kW -																															

ion Avo	O	<u> </u>	Total	A/N#	#N/A	W/N#	#N/A	W/V#	W/V#	#N/A	W/N#	W/N#	W/N#	#N/A	#N/A	#N/A	#N/A	#N/A	W/N#	#N/A	#N/A	W/N#	#N/A	#N/A	#N/A	W/V#	W/A#						
Avoided Transmission	Capacity Costs	2005 CAD\$)	\$/kW-yr	W/N#	W/V#	W/A#	W/A#	W/A#	W/A#	W/A#	W/A#	W/V#	W/A#	W/A#	W/A#	#N/A	W/V#	W/A#	W/A#	W/A#	W/A#	#N/A	W/A#	W/V#	W/V#	W/A#	W/V#						
		(3.	Total	#N/A	W/V#	W/V#	#N/A	W/V#	#N/A	W/V#	#N/A																						
voided Enerided Generation	apacity Costs	2005 CAD\$2005 CAD\$)	\$/kW-yr	W/A#	W/V#	#N/A	#N/A	W/V#	W/V#	W/V#	W/V#	#N/A	W/V#	#N/A	W/V#	#N/A																	
voided Ener	Costs	2005 CAD\$	Total	W/N#	W/V#	W/V#	#N/A	#N/A	W/V#	#N/A	#N/A	W/V#	W/V#	W/V#	W/V#	#N/A	W/V#	#N/A	W/V#	#N/A	#N/A	#N/A	#N/A	W/V#	W/V#	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	W/V#	#N/A
			Total	W/V#	#N/A	#N/A	#N/A	#N/A	#N/A	W/V#	#N/A	W/V#	#N/A	W/V#	W/V#	#N/A	W/V#	W/V#	W/V#	#N/A	#N/A	#N/A	#N/A	#N/A	W/V#	#N/A	W/V#	W/V#	W/V#	#N/A	W/V#	W/V#	W/V#
	ılder	Off Peak	\$/MWh	W/V#	W/N#	W/A	W/A	W/A	W/A	W/A	W/A	W/V#	W/A	W/V#	W/V#	W/N#	W/V#	W/V#	W/V#	W/A	W/A	W/N#	W/A	W/N#	W/V#	W/A	W/A	W/V#	W/A	W/A	W/A	W/V#	W/N#
	Shoulder	eak	Total	#N/A																													
		Mid-Peak	\$/MWh	W/N#	W/V#	W/A#	#N/A	#N/A	W/A#	W/A#	#N/A	W/A#	W/A#	W/A#	W/A#	#N/A	W/V#	#N/A	W/A#	W/A#	#N/A	#N/A	#N/A	W/V#	W/A#	W/A#	W/A#	#N/A	W/A#	W/A#	W/A#	W/A#	W/N#
		eak	Total	W/N#	W/N#	W/V#	W/V#	W/V#	W/V#	W/V#	W/V#	W/N#	W/V#	W/V#	W/V#	W/V#	W/N#	W/V#	W/N#	W/V#	#N/A												
		Off Peak	\$/MWh	#N/A																													
		⁵ eak	Total	W/N#	W/N#	W/A	W/A	W/A	W/A	W/A	W/N#	W/V#	W/A	W/V#	W/V#	W/N#	W/V#	W/V#	W/V#	W/A	W/N#	W/N#	W/A	W/N#	W/V#	W/A	W/A	W/V#	W/A	W/A	W/A	W/V#	W/A
llated	Summer	Mid-Peak	\$/MWh	W/V#	W/N#	W/N#	W/A#	W/A#	W/N#	W/V#	W/N#	W/V#	W/N#	W/V#	W/V#	W/N#	W/V#	W/V#	W/V#	W/N#	W/N#	W/N#	W/N#	W/N#	W/V#	W/N#	W/V#	W/V#	W/V#	W/N#	W/V#	W/A#	W/A#
Calculated		eak	Total	#N/A																													
		On Peak	\$/MWh	W/N#	W/N#	W/A#	#N/A	#N/A	W/A#	W/A#	W/A#	W/V#	W/A#	W/V#	W/V#	W/V#	W/V#	W/V#	W/V#	W/A#	W/A#	W/V#	W/A#	#N/A	W/V#	W/A#	W/A#	W/V#	W/A#	W/A#	W/A#	W/A#	W/V#
		Seak	Total	W/V#	#N/A	W/V#	#N/A	W/N#	W/V#	W/N#	W/N#	W/N#	W/V#	W/N#	#N/A	W/N#	W/V#	W/N#	W/N#	W/N#	W/V#	W/N#	W/V#	W/N#									

Avoided	Distribution Development (2005 CAD\$)/kW-yr		6.5																									
Avoided	Distribution Losses Distributio (2005 CAD\$) (2005 C	\$/MWh Total																										
ior		Total	W/V#	W/N#	4/N# #N/A	W/A#	W/V#	W/V#	W/V#	W/N#	Y/V#	Y/N#	Y/\#	Y/N#	#N/A	W/V#	W/V#	W/V#	W/N#	W/N#	4/N#	\/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4/N#	Y/N#	W/V#	#N/A	W/V#	V/IV#
ided Distribution	apacity Costs 2005 CAD\$)	\$/kW-yr	W/V#	Y/N#	4/N# #	A/N#	W/N#	W/N#	W/N#	W/V#	Y/N#	4/N#	Y/N#	Y/Z#	#N/A	W/A#	W/V#	W/N#	Y/V#	Y/V#	Y/V#	₹/N# #	∀/N# #	A/N#	W/N#	W/N#	W/V#	V/IV#

	×	pn			2	2	2	7	2	2	2	7	2	2	2	2	2	2	2	7	7	2	7	7	7	2	2	2	2		
	On Pea	1 am - 5	kW																												
		1	Hours	522	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200		
			kWh		2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455	2,455		
	eak	7 am	ΚW		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
er - March)	Off P	10 pm -	Hours	1,614	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461		
r (Decemb			_		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0	6		
Winter		10 pm	kWh		1,049	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,049		
	Mid-Peak	- 5 pm, 8 -	ΚW		2	5	5	5	5	5	2	5	5	5	5	5	5	2	5	5	5	5	5	5	5	5	5	2	2		
		11 am	Hours	889	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197		
		Jm.	kWh		916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916	916		
	On Peak		κW		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
		7 - 11	Hours	602	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172		
			Year	ours/Period	1	2	က	4	2	9	7	œ	6	10	7	12	13	41	15	16	17	18	19	20	21	22	23	24	25		
				I																											
	Winter (December - March)	Mid-Peak	Winter (December - March) Mid-Peak Off Peak 8 pm 11 am - 5 pm, 8 - 10 pm	On Peak	On Peak	On Peak Winter (December - March) Off Peak Off Peak On Pea 7 - 11 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm Hours KWh Hours KWh	On Peak Winter (December - March) Of Peak Off Peak Off Peak On Pea 7 - 11 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm Hours kWh Hours L1 am - 2 km kWh Hours kWh Hours<	On Peak Off Peak Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm Hours Wind-Peak Off Peak Off Peak On Peak Hours kWh kWh Hours kWh kWh Hours kWh Hours kWh kWh	On Peak Mid-Peak Off Peak Off Peak On Peak T - 11 am, 5 - 8 pm Mid-Peak Olypea Off Peak On Peak Hours kWh KWh Hours KWh KWh Hours KWh Hours KWh Hours KWh KWh	On Peak Mid-Peak Off Reak Off Reak On Peak T - 11 am, 5 - 8 pm Mid-Peak Off Peak Off Peak On Peak Hours kWh KWh Hours kWh KWh Hours KWh KWh Hours KWh KWh	On Peak Mid-Peak Off Reak On Peak T - 11 am, 5 - 8 pm Mid-Peak Olypea Off Reak On Peak Hours kWh Wh Hours MW Wh Hours MW Wh Hours Wh Wh Hours Wh Wh Wh Wh Wh Wh Wh Wh Wh	On Peak Mid-Peak Off Peak On Peak On Peak On Peak On Peak On Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm 11 am - 5 pm 10 pm 10 pm - 7 am 11 am - 5 pm 11 am - 5	On Peak Mid-Peak Mid-Peak On Peak On Peak On Peak 7 - 11 am, 5 - 8 pm Mid-Peak Mid-Peak Off Peak Off Peak On Peak Hours kWh Hours Logar And KWh Hours Logar And And And And And And And And	On Peak Winter (December - March) 7 - 11 am, 5 - 8 µm 11 am - 5 pm, 8 - 10 pm Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 µm 11 am - 5 pm, 8 - 10 pm Off Peak Off Peak	On Peak Mid-Peak Winter (December - March) Off Peak 7 - 1 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm Off Peak Off Peak Hours kWh <	On Peak Winde Peak Off Peak Off Peak On Peak T - 11 am - 5 pm, 8 - 10 pm Off Peak Off Peak On Peak Hours kWh kW	On Peak Mind-Peak Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm Mind-Peak Off Peak Off Peak On Peak Hours kWh Hours hours hours hours hours hours hours hours hours	On Peak Winter (December - March) 7 - 11 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm Off Peak Off Peak On Peak Hours kWh Hours	Minter (December - March) Aunter (December - March) Aunter (December - March) Aunter (December - March) Aunter (December - March) On Peak 7 - 11 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm 10 pm - 7 am 11 am - 5 pm 11 am - 5 pm 11 am - 10 pm 11 am - 10 pm 11 a	On Peak Off Peak Off Peak Off Peak On Peak 7 - 11 am, 5 - 8 pm Mid-Peak Off Peak Off Peak On Peak Formation Alighean Alighean </td <td>Ninter (December - March) A Mid-Peak Off Peak Off Peak On Peak T - 11 am. 5 - 8 pm Mid-Peak Off Peak Off Peak On Peak Hours kW kWh Hours kW Hours kW Hours kW 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 <</td> <td>On Peak Mid-Peak Mid-Peak Mid-Peak Off Peak On Peak 7 - 11 am. 5 pm. I 1 am. 5 pm., 8 - 10 pm Off Peak On Peak 7 - 11 am. 5 m. Mid-Peak Mid-Peak Molid-Peak Molid-Peak Off Peak On Peak On Peak Hours kWh kWh kWh kWh kWh Hours kWh Hours Wh Hours Molid-Peak Ach <</td> <td>Off Peak Winter (December - March) Off Peak Off Peak</td> <td>Or Peak Winder (December - March) Hours Winder (December - March) Off Peak On Peak 7 - 11 am, 5 - 8 mm 11 am - 5 pm MId-Peak Mid-Peak Wh Hours WWh Hours I m - 5 pm Off Peak Off Peak Off Peak I m - 5 pm I m - 5 pm B - 10 pm I m - 7 am I m - 5 pm I m - 5 pm I m - 5 pm B - 10 pm I m - 7 am I m - 5 pm I m - 1 am - 1 am - 5 pm I m - 1 am - 1 am - 5 pm I m - 1 am - 1 am - 5 pm I m - 1 am - 2 pm I m - 2</td> <td>Or Peak Winder (December - March) Off Peak On Peak 7 - 11 am, 5 - 8 pm Hours Winder (December - March) Off Peak On Peak 7 - 11 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm 10 pm 7 pm 7 mm - 7 am 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 9</td> <td>On Peak Winter (December - March) Of Peak On Peak <th colsp<="" td=""><td>On Peak Winter (December - March) Off Peak On Peak <th colspa<="" td=""><td>On Peak Winter (December - March) Off Peak Off Peak</td><td>On Peak Winder Deak Winder Deak Off Peak Off Peak On Peak Hours kW kWh Hours kWh Hours kWh Hours L13 mm - 5 mm - 7 am 11 am - 7 am 11 am - 5 mm - 7 am 11 am - 1 am 11 am - 1 am 11 am - 1 am</td></th></td></th></td>	Ninter (December - March) A Mid-Peak Off Peak Off Peak On Peak T - 11 am. 5 - 8 pm Mid-Peak Off Peak Off Peak On Peak Hours kW kWh Hours kW Hours kW Hours kW 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 172 5 916 197 5 1,049 461 5 2,456 500 <	On Peak Mid-Peak Mid-Peak Mid-Peak Off Peak On Peak 7 - 11 am. 5 pm. I 1 am. 5 pm., 8 - 10 pm Off Peak On Peak 7 - 11 am. 5 m. Mid-Peak Mid-Peak Molid-Peak Molid-Peak Off Peak On Peak On Peak Hours kWh kWh kWh kWh kWh Hours kWh Hours Wh Hours Molid-Peak Ach <	Off Peak Winter (December - March) Off Peak Off Peak	Or Peak Winder (December - March) Hours Winder (December - March) Off Peak On Peak 7 - 11 am, 5 - 8 mm 11 am - 5 pm MId-Peak Mid-Peak Wh Hours WWh Hours I m - 5 pm Off Peak Off Peak Off Peak I m - 5 pm I m - 5 pm B - 10 pm I m - 7 am I m - 5 pm I m - 5 pm I m - 5 pm B - 10 pm I m - 7 am I m - 5 pm I m - 1 am - 1 am - 5 pm I m - 1 am - 1 am - 5 pm I m - 1 am - 1 am - 5 pm I m - 1 am - 2 pm I m - 2	Or Peak Winder (December - March) Off Peak On Peak 7 - 11 am, 5 - 8 pm Hours Winder (December - March) Off Peak On Peak 7 - 11 am, 5 - 8 pm 11 am - 5 pm, 8 - 10 pm 10 pm 7 pm 7 mm - 7 am 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 8 - 10 pm 11 am - 5 pm, 9	On Peak Winter (December - March) Of Peak On Peak <th colsp<="" td=""><td>On Peak Winter (December - March) Off Peak On Peak <th colspa<="" td=""><td>On Peak Winter (December - March) Off Peak Off Peak</td><td>On Peak Winder Deak Winder Deak Off Peak Off Peak On Peak Hours kW kWh Hours kWh Hours kWh Hours L13 mm - 5 mm - 7 am 11 am - 7 am 11 am - 5 mm - 7 am 11 am - 1 am 11 am - 1 am 11 am - 1 am</td></th></td></th>	<td>On Peak Winter (December - March) Off Peak On Peak <th colspa<="" td=""><td>On Peak Winter (December - March) Off Peak Off Peak</td><td>On Peak Winder Deak Winder Deak Off Peak Off Peak On Peak Hours kW kWh Hours kWh Hours kWh Hours L13 mm - 5 mm - 7 am 11 am - 7 am 11 am - 5 mm - 7 am 11 am - 1 am 11 am - 1 am 11 am - 1 am</td></th></td>	On Peak Winter (December - March) Off Peak On Peak <th colspa<="" td=""><td>On Peak Winter (December - March) Off Peak Off Peak</td><td>On Peak Winder Deak Winder Deak Off Peak Off Peak On Peak Hours kW kWh Hours kWh Hours kWh Hours L13 mm - 5 mm - 7 am 11 am - 7 am 11 am - 5 mm - 7 am 11 am - 1 am 11 am - 1 am 11 am - 1 am</td></th>	<td>On Peak Winter (December - March) Off Peak Off Peak</td> <td>On Peak Winder Deak Winder Deak Off Peak Off Peak On Peak Hours kW kWh Hours kWh Hours kWh Hours L13 mm - 5 mm - 7 am 11 am - 7 am 11 am - 5 mm - 7 am 11 am - 1 am 11 am - 1 am 11 am - 1 am</td>	On Peak Winter (December - March) Off Peak Off Peak	On Peak Winder Deak Winder Deak Off Peak Off Peak On Peak Hours kW kWh Hours kWh Hours kWh Hours L13 mm - 5 mm - 7 am 11 am - 7 am 11 am - 5 mm - 7 am 11 am - 1 am 11 am - 1 am 11 am - 1 am

Total Project kWh138,533Total Annual kWh5,541.30Total KwWinter5Summer2

61,377

26,228

22,900

Totals

Summer (ummer	Summer (June - September)	tember)					Shoulder		ON redotoo	vember)		
		Mid-Peak						5555	Shoulder (April May October November)		5		
	1	יוומ-ן כמוי		7	Off Peak		1	Mid-Peak			Off Peak		On F
KWh Hc	Hours	7 - 11 am, 5 - 10	kWh	Hours	Tu pm - / am	kWh	Hours	/ am - 10 pm	kWh	Hours	lu pm - / am	kWh	
	783			1,623			1,305			1,623			\$/MWh
862	150	2	259	1			1	1	1	ı	ı	1	W/V#
862	150	2	259	•	1	,	1	1	1	1	1	,	#N/A
862	150	2	259	,	1	,	1	1	1	1	1		#N/A
862	150	2	259	1	1	1	-	1	1	•	1	٠	W/V#
862	150	2	259	1	1	1	-	1	1	•	1	٠	W/V#
862	150	2	259	1	,	1	•	1	1	•	•	•	W/V#
862	150	2	259	1	,	1	•	1	1	•	•	•	W/V#
862	150	2	259	1	,	1	•	1	1	•	•	•	W/V#
862	150	2	259	1	,	1	•	1	1	•	•	•	W/V#
862	150	2	259	1	,	1	•	1	1	٠	•		W/V#
862	150	2	259	1	1	•	1	1	1	•	1	٠	#N/A
862	150	2	259	1	1	1	-	1	1	•	ı	•	#N/A
862	150	2	259	1	1	1	-	1	1	•	ı	•	#N/A
862	150	2	259	1	1	1	-	1	1	•	ı	•	#N/A
862	150	2	259	1	1	1	1	1	1	ı	ı	•	#N/A
862	150	2	259	1	1	1	1	1	1	ı	ı	•	#N/A
862	150	2	259	-	1	1	-	-	1	•	ı	ı	W/V#
862	150	2	259	1	1	1	1	1	1	ı	ı	•	#N/A
862	150	2	259	1	1	1	1	1	1	1	ı	•	#N/A
862	150	2	259	1	1	1	1	1	ı	1	ı	1	#N/A
862	150	2	259	1	1	1	1	1	ı	1	ı	1	#N/A
862	150	2	259	1	1	1	1	1	ı	1	ı	1	#N/A
862	150	2	259	1	1	1	1	1	1	ı	ı	1	#N/A
862	150	2	259	1	1	1	1	1	1	ı	ı	ı	W/V#
862	150	2	259	1	,	1	1	1	1	•	•	1	#N/A

7

						Calcu	Calculated						
	Winter						Summer					Shoulder	ılder
	Mid-Peak	eak	Off Peak	eak	On Peak	eak	Mid-Peak	Peak	Off Peak	Peak	Mid-Peak	Peak	Off
Total	\$/MWh	Total	\$/MWh	Total	\$/MWh	Total	\$/MWh	Total	\$/MWh	Total	\$/MWh	Total	\$/MWh
#N/A	#N/A	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	W/A#	W/A#	W/V#	W/V#	#N/A	#N/A
	#N/A	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	W/V#	W/A	W/V#	#N/A	#N/A
	W/A#	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	W/V#	W/V#	W/N#	W/V#	#N/A	#N/A
	W/A#	W/V#	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	W/A#	W/V#	W/V#	#N/A	#N/A
	W/A#	#N/A	W/A#	#N/A	W/A#	#N/A	#N/A	W/V#	W/V#	W/N#	W/V#	#N/A	#N/A
	W/A#	W/A#	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	#N/A	#N/A	W/V#	#N/A	#N/A
	W/A#	W/A#	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	#N/A	#N/A	W/V#	#N/A	#N/A
	W/A#	#N/A	W/V#	#N/A	W/A#	#N/A	#N/A	W/N#	W/V#	W/N#	W/V#	#N/A	#N/A
	W/A#	W/A#	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	#N/A	#N/A	W/V#	#N/A	#N/A
	W/A#	W/A#	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	W/A#	#N/A	W/V#	#N/A	#N/A
	W/A#	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	W/A#	W/A	W/V#	#N/A	#N/A
	#N/A	#N/A	W/V#	#N/A	#N/A	#N/A	W/V#	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A
	#N/A	#N/A	W/V#	#N/A	#N/A	#N/A	W/V#	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A
	#N/A	#N/A	W/V#	#N/A	#N/A	#N/A	W/V#	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A
	#N/A	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	W/V#	W/A	W/V#	#N/A	#N/A
	#N/A	#N/A	W/V#	#N/A	#N/A	#N/A	#N/A	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A
	#N/A	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	W/V#	W/A	W/V#	#N/A	#N/A
	#N/A	#N/A	W/V#	#N/A	#N/A	#N/A	#N/A	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A
	#N/A	W/V#	W/V#	#N/A	#N/A	#N/A	#N/A	W/N#	W/V#	W/V#	W/V#	#N/A	#N/A
	#N/A	#N/A	W/V#	W/V#	#N/A	W/V#	#N/A	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A
	#N/A	#N/A	W/V#	#N/A	#N/A	#N/A	#N/A	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A
	#N/A	W/V#	W/V#	#N/A	#N/A	#N/A	#N/A	W/V#	W/V#	W/N#	W/V#	W/V#	#N/A
	W/A#	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	W/N#	W/A#	W/A	W/V#	#N/A	#N/A
	#N/A	#N/A	W/A#	#N/A	#N/A	#N/A	#N/A	W/A#	W/V#	W/A#	W/V#	#N/A	#N/A
	W/A	W/A#	W/V#	#N/A	W/A#	W/N#	#N/A	W/V#	W/V#	W/N#	W/V#	#N/A	#N/A

	voided Ener	voided Enerided Generation Avoided Transmission Avoided Distribution	tion Avoid	ed Transmis	sion Avoid	ded Distribut	ion	Avoided		Avoided	
				Capacity							
		apacity Costs		Costs	ပၱ	Capacity Costs		Distribution Losses Distribution Development	ses Distribu	ution Develo	pment
)eak	2005 CAD\$	\$2005 CAD\$)	<u>-</u> ن	(2005 CAD\$)	<u>ئ</u>	(2005 CAD\$)	<u>-</u>	(2005 CAD\$)		(2005 CAD\$)/kW-yr	√-yr
Total	\$/MWh	\$/kW-yr	Total	\$/kW-yr	Total	\$/kW-yr	Total	\$/MWh	Total		
W/N#	W/V#	W/N#	W/V#	W/V#	W/N#	W/V#	Y/N#			6.5	
W/N#	W/V#	W/N#	#N/A	#N/A	W/V#	W/V#	Y/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/N#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	W/V#	W/N#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/V#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	W/N#	W/N#	W/V#	W/N#				
W/N#	W/A#	W/N#	#N/A	#N/A	W/N#	W/V#	W/N#				
W/N#	W/V#	W/N#	#N/A	#N/A	W/V#	W/V#	Y/N#				
W/N#	W/A#	Y/V#	#N/A	W/V#	W/V#	W/V#	W/N#				
W/N#	W/V#	Y/N#	#N/A	W/V#	W/V#	W/V#	Y/N#				
W/N#	W/V#	Y/N#	#N/A	W/V#	W/V#	W/V#	Y/N#				
W/N#	W/V#	Y/N#	#N/A	W/V#	W/V#	W/V#	Y/N#				
W/N#	W/V#	Y/N#	#N/A	W/V#	W/V#	W/V#	Y/N#				
W/N#	W/V#	W/N#	#N/A	W/V#	W/V#	W/V#	Y/N#				
W/N#	W/V#	W/N#	#N/A	W/V#	W/V#	W/V#	Y/N#				
Y/V#	Y/N#	Y/V#	Y/N#	W/V#	W/V#	W/V#	Y/V#				