

March 27th 2008

Ms. Kristen Walli
Ontario Energy Board
PO Box 2319
2300 Yonge Street Suite 2700
Toronto, Ontario
M4P 1E4

Dear Ms. Walli

HAWKESBURY HYDRO INC.
RP-2004-0203\EB-2005-0379
CONSERVATION AND DEMAND ANNUAL REPORT

As directed by the Board, please find enclosed our Annual report on CDM initiatives for 2007.

Pease find enclosed:

- 1) Introduction
- 2) Evaluation of our CDM Plan
- 3) Discussion of our CDM Program
- 4) Lessons Learned
- 5) Conclusion

Respectfully Yours,

Michel Poulin
Manager
613-632-6689

1) INTRODUCTION

Under RP-2004-0203, The Board is also prepared to give approval of planned conservation and demand management activities prior to these costs actually being incurred.

PROGRAM CONTENT

INDUSTRIAL CUSTOMER PROGRAM

Hawkesbury Hydro Inc. intends to give incentives to industries who will purchase energy efficient equipments identified as ENERGUIDE PRODUCT FOR INDUSTRY. Hawkesbury Hydro Inc. strongly believes that this incentive program will encourage major industries in our community to improve their energy management and consequently contribute to the reduction of electricity generation and reduce the greenhouse gases that contribute to climate change.

INTERVAL METERING

In order to respond to some initiatives from the Ontario Government, Hawkesbury Hydro Inc. would like to promote the installation of interval (smart meters). Hydro Hawkesbury Inc. strongly believe that this will help load shifting.

COMMERCIAL AND RESIDENTIAL CUSTOMER PROGRAM

Hawkesbury Hydro Inc. will honor the ENERGY STAR high efficiency product on the market.

The industrial customer program along with the commercial and residential customer program are part of our main objectives. We want our customers to benefit immediately of all incentives available to reduce their consumption and our efforts will be deployed towards the incentives to our customers.

COMMUNICATION & AWARENESS

Hawkesbury Hydro Inc. would like to play a role in energy conservation by enlightening its customers. Hawkesbury Hydro Inc. would like to offer its customers helpful tips by means of a monthly newspaper publication. (Tip of the month)

POWER SYSTEM AND LOAD STUDY

Our next program will consist of a power system and load flow analysis to determine future betterments to improve our line loss.

Hawkesbury Hydro Inc. would like to perform this study to reach the optimization of its distribution system and emergency operations, reduce generation and GHG.

2) EVALUATION OF THE PROGRAM
Appendix A

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 f

	5 Cumulative Totals Life-to- date	Total for 2007	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System
Net TRC value (\$):	-\$ 23,351	\$ 29,795	\$ 29,795	\$ -	\$ -	\$ -	\$ -	\$ -
Benefit to cost ratio:	3.31	2.94	2.94	0.00	0.00	0.00	0.00	0.00
Number of participants or units delivered:	\$ 1,021.00	\$898	\$898	\$0	\$0	\$0	\$0	\$0
Lifecycle (kWh) Savings:	\$ 1,021,263.00	870,206	870,206	0	0	0	0	0
Report Year Total kWh saved (kWh):	149,945	140,390	140,390	0	0	0	0	0
Total peak demand saved (kW):	0	0	0	0	0	0	0	0
Total kWh saved as a percentage of total kWh delivered (%):	0.266%	0.25%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%
Peak kW saved as a percentage of LDC peak kW load (%):		n/a	n/a	n/a	n/a	n/a	n/a	n/a
1 Report Year Gross C&DM expenditures (\$):	\$ 30,586	\$ 11,153	\$ 11,153	\$ -	\$ -	\$ -	\$ -	\$ -
2 Expenditure s per kWh saved (\$/kWh):	0.20	\$ 0.01	\$ 0.01	\$ -	\$ -	\$ -	\$ -	\$ -

3) DISCUSSION OF THE PROGRAM
 Appendix B (Please click on excel worksheets)

REFRIDGERATOR

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the **ENERGYSTAR-REFRIDGERATOR replacement**

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

Hawkesbury Hydro will remit incentive for refrigerator replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology	Current standard for refrigerator		
Efficient technology	EnergyStar refrigerator		
Number of participants or units delivered for reporting year:	0		
Measure life (years)	19		
Number of Participants or units delivered life to date	34		

B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):	\$ -	\$ 2,510.49
2	TRC Costs (\$):		
	Cost (excluding incentives):	\$ -	534.86
	Equipment Costs	\$ -	2,500.00
	Total TRC costs:	\$ -	3,034.86
	Net TRC (in year CDN \$):	\$ -	(524.37)

AIR CONDITIONNING

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the** ENERGYSTAR- AIR CONDITIONNING replacement

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

Hawkesbury Hydro will remit incentive for air conditioning

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
<i>Base case technology</i>	Current standard for air conditioning		
<i>Efficient technology</i>	Energystar air conditioning		
<i>Number of participants or units delivered for reporting year:</i>	0		
<i>Measure life (years):</i>	20		
<i>Number of Participants or units delivered life to date</i>	3		

B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):	\$ -	\$ 342.26
2	TRC Costs (\$):		
	Cost (excluding incentives):	\$ -	250.00
	Equipment Costs:	\$ -	100.00
	Total TRC costs:	\$ -	350.00
	Net TRC (in year CDN \$):	\$ -	(7.74)
		\$ -	
	Benefit to Cost Ratio (TRC):	\$ -	0.98

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

Conservation Programs:

Demand savin Summer

FREEZERS

Appendix B - Discussion of the Program
(complete this Appendix for each program)

A. **Name of the** ENERGYSTAR-FREEZER replacement

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

Hawkesbury Hydro will remit incentive for freezer replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology	Current standard for freezer		
Efficient technology	Energystar freezer		
Number of participants or units delivered for reporting year:	0		
Measure life (years)	21		
Number of Participants or units delivered life to date	3		

B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):		\$ 163.64
2	TRC Costs (\$):		
	Cost (excluding incentives):		534.86
	Equipment Costs (Equipment Costs)		900.00
	Total TRC costs:		1,434.86
	Net TRC (in year CDN \$):	\$ -	- 1,271.22

Benefit to Cost Ratio (TRC Benefits/TRC Costs) 0.11

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

Conservation Programs:

	Summer	Winter	Cumulative
	lifecycle	in year	Annual Savings
Demand savin			

APPLIANCES

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the **ENERGYSTAR- APPLIANCES** replacement

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

Hawkesbury Hydro will remit incentive for appliance replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology	Current standard for appliances		
Efficient technology	Energystar appliances		
Number of participants or units delivered for reporting year:	0		
Measure life (years)	10		
Number of Participants or units delivered life to date	3		

B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):	\$ -	\$ 344.25
2	TRC Costs (\$):		
	Cost (excluding incentives):	\$ -	250.00
	Equipment Costs (Equipment Costs)	\$ -	200.00
	Total TRC costs:	\$ -	450.00
	Net TRC (in year CDN \$):	\$ -	- 105.75
	Benefit to Cost Ratio (TRC)	\$ -	0.77

C.	Results: (one or more category may apply)	Cumulative Results:
	Conservation Programs:	
	Demand savin	Summer
		Winter
		Cumulative
		Cumulative Annual
	lifecycle	in year
		Cumulative Savings

CLOTHES WASHER

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the **ENERGYSTAR-CLOTHES WASHER replacement**

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

Hawkesbury Hydro will remit incentive for CLOTHES WASHER

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology	Current standard for Clothes Washers		
Efficient technology	Energystar clothes washers		
Number of participants or units delivered for reporting year:	0		
Measure life (years)	14		
Number of Participants or units delivered life to date	31		

B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):	\$ -	1,552.88
2	TRC Costs (\$):		
	Cost (excluding incentives):	\$ -	534.89
	Equipment Costs (Equipment Costs)	\$ -	2,990.00
	Total TRC costs:	\$ -	3,524.89
	Net TRC (in year CDN \$):	\$ -	-\$ 1,972.01
	Benefit to Cost Ratio (TRC Benefits/TRC Costs)		0.44

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

Conservation Programs:

	lifecycle	in year	Cumulative Lifecycle	Cumulative Annual Savings
Demand saving				
Summer				
Winter				
Energy saved	0	0	32306	2314
Other resources saved:				
Natural Gas (m3):				
Other (specify):				

Demand Management Programs:

Controlled load (kW)		
Energy shifted On-peak to Off-peak		
Energy shifted On-peak to C		

DISHWASHER

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the** ENERGYSTAR-DISHWASHER replacement

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

Hawkesbury Hydro will remit incentive for DISWASHER replacement

Measure(s):

Measure 1 Measure 2 (if applicable) Measure 3 (if applicable)

Base case technology Current standard for dishwasher

Efficient technology Energystar dishwasher

Number of participants or units delivered for reporting year:	0		
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Measure life (years)	13		
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Number of Participants or units delivered life to date	23		
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B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):		\$ 1,501.79
2	TRC Costs (\$):		
	Cost (excluding incentives):		534.89
	Equipment Costs (Equipment Costs)		2,500.00
	Total TRC costs:		3,034.89
	Net TRC (in year CDN \$):	\$ -	- 1,533.10

Benefit to Cost Ratio (TRC Benefits/TRC Costs) 0.49

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

Conservation Programs:

INTERVAL METERS

Appendix B - Discussion of the Program (complete this Appendix for each program)

A. **Name of the** INTERVAL METERS

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

Hawkesbury Hydro will remit incentive to industrial customers ON

Measure(s):

Measure 1 Measure 2 (if applicable) Measure 3 (if applicable)

Base case technology Standard Meter

Efficient technology Interval meters

Number of participants or units delivered for reporting year:

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Measure life (years) 15

Number of Participants or units delivered life to date

	7		
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B. **TRC Results:** **Reporting Year** **Life-to-date TRC Results:**

1 TRC Benefits (\$): \$ -

2 TRC Costs (\$):

Cost (excluding incentives): \$ - 7,000.00

Equipment Costs (Equipment Costs) -

Total TRC costs: \$ - 7,000.00

Net TRC (in year CDN \$): \$ - 7,000.00

Benefit to Cost Ratio (TRC Benefits/TRC Costs)

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

Conservation Programs:

Demand savin Summer

Winter

LINE LOSS STUDY

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the **LINE LOSS AND OPTIMIZATION STUDY**

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

Hawkesbury Hydro did bring to an end its line loss study late in 2006.

Measure(s):

Measure 1 Measure 2 (if applicable) Measure 3 (if applicable)

Base case technology:

Efficient technology: line loss & optimization study

Number of participants or units delivered for reporting year:

Measure life (years): 15

Number of Participants or units delivered life to date

B. **TRC Results:** **Reporting Year** **Life-to-date TRC Results:**

1 TRC Benefits (\$): \$ -

2 TRC Costs (\$):

Cost (excluding incentives): \$ - 37,538.00

Equipment Costs (Equipment Costs) -

Total TRC costs: \$ - 37,538.00

Net TRC (in year CDN \$): \$ - 37,538.00

Benefit to Cost Ratio (TRC Benefits/TRC Costs):

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

Conservation Programs:

WATER COOLER

Appendix B - Discussion of the Program
(complete this Appendix for each program)

A. **Name of the** ENERGYSTAR- WATER COOLER replacement

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

Hawkesbury Hydro will remit incentive for water cooler replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology	Current standard for water cooler		
Efficient technology	Energystar water cooler		
Number of participants or units delivered for reporting year:			
Measure life (years)	10		
Number of Participants or units delivered life to date	1		

B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):	\$ -	\$ 114.75
2	TRC Costs (\$):		
	Cost (excluding incentives):	\$ -	250.00
	Equipment Costs (Equipment Costs)	\$ -	100.00
	Total TRC costs:	\$ -	350.00
	Net TRC (in year CDN \$):	\$ -	(235.25)
	Benefit to Cost Ratio (TRC):	\$ -	0.33

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

Conservation Programs:

Demand savin Summer

LIGHT REPLACEMENT

A. **Name of the Program:** ENERGYSTAR- light bulbs

Description of the program (including intent, design, delivery, partnerships and evaluation):
Hawkesbury Hydro is distributing light bulb to customers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
<i>Base case technology</i>	Current standard lights		
<i>Efficient technology</i>	new energy efficient lights		
<i>Number of participants or units delivered for reporting year:</i>	878		
<i>Measure life (years):</i>	5		
<i>Number of Participants or units delivered life to date</i>	878		

B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):	\$ 41,056.86	\$ 41,056.86
2	TRC Costs (\$):		
	program cost (excluding incentives):	\$ 10,715.34	10,715.34
	total Measure Costs (Equipment Costs)	\$ 3,160.80	3,160.80
	Total TRC costs:	\$ 13,876.14	13,876.14
	Net TRC (in year CDN \$):	\$ 27,180.72	27,180.72
	Benefit to Cost Ratio (TRC Benefits/Total TRC Costs):	\$ 2.96	2.96

C.	Results: (one or more category may apply)	Cumulative Results:	
Conservation Programs:			
	Demand savings (kWh)	Summer	Winter
		lifecycle	in year
	Energy saved (kWh)	687620	137524
		Cumulative Lifecycle	Cumulative Annual Savings
		687620	137524

THERMOSTAT

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the **ENERGYSTAR THERMOSTAT (PROGRAMMABLE)** re

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

Hawkesbury Hydro will remit incentive for programmable thermostat

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology	Current standard for Thermostat		
Efficient technology	Energystar programmable thermostat		
Number of participants or units delivered for reporting year:	20		
Measure life (years)	18		
Number of Participants or units delivered life to date	3		

B.	TRC Results:	Reporting Year	Life-to-date TRC Results:
1	TRC Benefits (\$):	\$ 4,132.46	\$ 4,716.19
2	TRC Costs (\$):		
	Cost (excluding incentives):	\$ 438.00	688.00

4) LESSON LEARNED

In 2007, the continuity of our program was reduced since funds became less available. 2006 was the year where most customers benefit from the program. With the money left on the 3rd tranche, we purchased some energy efficient light bulbs to distribute to our customers. With the effort from the town of Hawkesbury with the Porch light program, we feel that our customers will gradually change all lights in their premise. Our goal to promote and inform the customer did go well.

5) CONCLUSION

We are satisfied with the response from our customers in 2007 especially with the light program. We feel that the customers did benefit from all our programs during the 3 years and they appreciated the incentive and we also think that our program accelerated the appliance replacement in several households. As for our system optimization program, we truly believe that this study will make us more efficient on the long run. Major betterments activities will result from this report and line losses will improve.

Respectfully Yours,

Michel Poulin
Manager

Appendix A - Evaluation of the CDM Plan

Highlighted boxes are to be completed manually, white boxes are linked to Appendix C and will be brought forward automatically.

	⁵ Cumulative Totals Life-to-date	Total for 2007	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System	⁴ Smart Meters	Other #1	Other #2
Net TRC value (\$):	-\$ 23,351	\$ 29,795	\$ 29,795	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
Benefit to cost ratio:	3.31	2.94	2.94	0.00	0.00	0.00	0.00	0.00		0.00	0.00
Number of participants or units delivered:	\$ 1,021.00	\$898	\$898	\$0	\$0	\$0	\$0	\$0		\$0	\$0
Lifecycle (kWh) Savings:	\$ 1,021,263.00	870,206	870,206	0	0	0	0	0		0	0
Report Year Total kWh saved (kWh):	149,945	140,390	140,390	0	0	0	0	0		0	0
Total peak demand saved (kW):	0	0	0	0	0	0	0	0		0	0
Total kWh saved as a percentage of total kWh delivered (%):	0.266%	0.25%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%
Peak kW saved as a percentage of LDC peak kW load (%):		n/a	n/a	n/a	n/a	n/a	n/a	n/a		n/a	n/a
¹ Report Year Gross C&DM expenditures (\$):	\$ 30,586	\$ 11,153	\$ 11,153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
² Expenditures per kWh saved (\$/kWh):	0.20	\$ 0.01	\$ 0.01	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
³ Expenditures per kW saved (\$/kW):	n/a	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
Utility discount rate (%):	7.75										

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, 2007 CDM Annual report for third tranche will include 2006, 2005 and 2004 numbers, if any).

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** ENERGYSTAR-REFRIDGERATOR replacement

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

Hawkesbury Hydro will remit incentive for refrigerator replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Current standard for reffridgerator		
Efficient technology:	Energystar reffridgerator		
Number of participants or units delivered for reporting year:	0		
Measure life (years):	19		
Number of Participants or units delivered life to date	34		

TRC Results:	Reporting Year	Life-to-date TRC Results:
¹ TRC Benefits (\$):	\$ -	\$ 2,510.49
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ -	534.86
Incremental Measure Costs (Equipment Costs)	\$ -	2,500.00
Total TRC costs:	\$ -	3,034.86
Net TRC (in year CDN \$):	\$ -	(524.37)
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	\$ -	0.83

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

Conservation Programs:

	Demand savings (kW):		Cumulative Lifecycle	Cumulative Annual Savings
	Summer	Winter		
Energy saved (kWh):	lifecycle	in year	50631	2265
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 (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 savings (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. Actual Program Costs:

		Reporting Year	Cumulative Life to Date
Utility direct costs (\$):	Incremental capital:	<input type="text"/>	<input type="text"/>
	Incremental O&M:	<input type="text"/>	<input type="text"/>
	Incentive:	<input type="text"/>	\$ 8,159.27
	Total:	<input type="text"/>	\$ 8,159.27
Utility indirect costs (\$):	Incremental capital:	<input type="text"/>	<input type="text"/>
	Incremental O&M:	<input type="text"/>	<input type="text"/>
	Total:	<input type="text"/>	<input type="text"/>

E. Assumptions & Comments:

NO ACTIVITY IN 2007

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, less the number of units times the net present value per unit.

2. TRC costs. However, payments made

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** ENERGYSTAR- AIR CONDITIONNING replacement

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

Hawkesbury Hydro will remit incentive for air conditioning replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Current standard for air conditioning		
Efficient technology:	Energystar air conditioning		
Number of participants or units delivered for reporting year:	0		
Measure life (years):	20		
Number of Participants or units delivered life to date	3		

TRC Results:	Reporting Year	Life-to-date TRC Result
¹ TRC Benefits (\$):	\$ -	\$ 342.26
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ -	250.00
Incremental Measure Costs (Equipment Costs)	\$ -	100.00
Total TRC costs:	\$ -	350.00
<u>Net TRC (in year CDN \$):</u>	<u>\$ -</u>	<u>(7.74)</u>
	\$ -	
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	\$ -	0.98

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

Conservation Programs:

	Summer	Winter	Cumulative Lifecycle	Cumulative Annual Savings
Demand savings (kW):				
Energy saved (kWh):	0	0	4760	238
Other resources saved :				
Natural Gas (m3):				
Other (specify):				

Demand Management Programs:

Controlled load (kW)		
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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 savings (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):		
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D. Actual Program Costs:		Reporting Year	Cumulative Life to Date
Utility direct costs (\$):	Incremental capital:		
	Incremental O&M:		
	Incentive:	\$ -	\$ 142.47
	Total:	\$ -	\$ 142.47
Utility indirect costs (\$):	Incremental capital:		
	Incremental O&M:		
	Total:		

E. Assumptions & Comments:

NO ACTIVITY IN 2007

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.

component of the TRC costs. However, payments made

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** ENERGYSTAR-FREEZER replacement

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

Hawkesbury Hydro will remit incentive for freezer replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Current standard for freezer		
Efficient technology:	Energystar freezer		
Number of participants or units delivered for reporting year:	0		
Measure life (years):	21		
Number of Participants or units delivered life to date	3		

B. TRC Results:	Reporting Year	Life-to-date TRC Results:
¹ TRC Benefits (\$):		\$ 163.64
² TRC Costs (\$):		
Utility program cost (excluding incentives):		534.86
Incremental Measure Costs (Equipment Costs)		900.00
Total TRC costs:		1,434.86
Net TRC (in year CDN \$):	\$ -	- 1,271.22
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		0.11

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

Conservation Programs:

	Summer	Winter	Cumulative	Cumulative Annual
	lifecycle	in year	ve	Savings
Demand savings (kW):				
Energy saved (kWh):			3471	165
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 (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 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:

		Reporting Year	Cumulative Life to Date
<i>Utility direct costs (\$):</i>	<i>Incremental capital:</i>	<input type="text"/>	<input type="text"/>
	<i>Incremental O&M:</i>	<input type="text"/>	<input type="text"/>
	<i>Incentive:</i>	\$ -	\$ 452.23
	<i>Total:</i>	\$ -	\$ 452.23
<i>Utility indirect costs (\$):</i>	<i>Incremental capital:</i>	<input type="text"/>	<input type="text"/>
	<i>Incremental O&M:</i>	<input type="text"/>	<input type="text"/>
	<i>Total:</i>	<input type="text"/>	<input type="text"/>

E. Assumptions & Comments:

NO ACTIVITY IN 2007

¹ the net present value per unit b
² TRC costs. However, payments made

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** ENERGYSTAR- APPLIANCES replacement

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

Hawkesbury Hydro will remit incentive for appliance replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Current standard for appliances		
Efficient technology:	Energystar appliances		
Number of participants or units delivered for reporting year:	0		
Measure life (years):	10		
Number of Participants or units delivered life to date	3		

B. TRC Results:

	Reporting Year	Life-to-date TRC Result
¹ TRC Benefits (\$):	\$ -	\$ 344.25
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ -	250.00
Incremental Measure Costs (Equipment Costs)	\$ -	200.00
Total TRC costs:	\$ -	450.00
Net TRC (in year CDN \$):	\$ -	- 105.75
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	\$ -	0.77

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	Summer			
	Winter			
			Cumulative	Cumulative
			Annual	Annual
	lifecycle	in year	Lifecycle Savings	
Energy saved (kWh):			6180	618
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 (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 savings (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. Actual Program Costs:

		Reporting Year	Cumulative Life to Date
Utility direct costs (\$):	Incremental capital:	[]	[]
	Incremental O&M:	[]	[]
	Incentive:	[]	\$ 432.27
	Total:	[]	\$ 432.27
Utility indirect costs (\$):	Incremental capital:	[]	[]
	Incremental O&M:	[]	[]
	Total:	[]	[]

E. Assumptions & Comments:

NO ACTIVITY IN 2007

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 Appendix for each program)

A. **Name of the Program:** ENERGYSTAR-CLOTHES WASHER replacement

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

Hawkesbury Hydro will remit incentive for CLOTHES WASHER replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Current standard for Clothes washer		
Efficient technology:	Energystar clothes washers		
Number of participants or units delivered for reporting year:	0		
Measure life (years):	14		
Number of Participants or units delivered life to date	31		

B. TRC Results:	Reporting Year	Life-to-date TRC Result:
¹ TRC Benefits (\$):	\$ -	1,552.88
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ -	534.89
Incremental Measure Costs (Equipment Costs)	\$ -	2,990.00
Total TRC costs:	\$ -	3,524.89
Net TRC (in year CDN \$):	\$ -	-\$1,972.01
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		0.44

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

Conservation Programs:

Demand savings (kW):	Summer		Cumulative Annual Savings
	lifecycle	in year	
Energy saved (kWh):	0	0	32306
Other resources saved :			2314
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 (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 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:

		Reporting Year	Cumulative Life to Date
Utility direct costs (\$):	Incremental capital:	<input type="text"/>	<input type="text"/>
	Incremental O&M:	<input type="text"/>	<input type="text"/>
	Incentive:	\$ -	\$ 4,747.37
	Total:	\$ -	\$ 4,747.37
Utility indirect costs (\$):	Incremental capital:	<input type="text"/>	<input type="text"/>
	Incremental O&M:	<input type="text"/>	<input type="text"/>
	Total:	<input type="text"/>	<input type="text"/>

E. Assumptions & Comments:

no Activity in 2007.

¹ times the net present value per unit by
² the TRC costs. However, payments made

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** ENERGYSTAR-DISHWASHER replacement

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

Hawkesbury Hydro will remit incentive for DISWASHER replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Current standard for dishwasher		
Efficient technology:	Energystar dishwasher		
Number of participants or units delivered for reporting year:	0		
Measure life (years):	13		
Number of Participants or units delivered life to date	23		

B. TRC Results:

	Reporting Year	fe-to-date TRC Result
¹ TRC Benefits (\$):		\$ 1,501.79
² TRC Costs (\$):		
Utility program cost (excluding incentives):		534.89
Incremental Measure Costs (Equipment Costs)		2,500.00
Total TRC costs:		3,034.89
Net TRC (in year CDN \$):	\$ -	- 1,533.10
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		0.49

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

Conservation Programs:

	Summer	Winter	Cumulative	Cumulative
			Annual	Annual
	lifecycle	in year	Lifecycle	Savings
Demand savings (kW):				
Energy saved (kWh):			31590	2430
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 (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 savings (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. Actual Program Costs:

		<u>Reporting Year</u>	<u>Cumulative Life to Date</u>
Utility direct costs (\$):	Incremental capital:	[]	[]
	Incremental O&M:	[]	[]
	Incentive:	\$ -	\$ 2,737.51
	Total:	\$ -	\$ 2,737.51
Utility indirect costs (\$):	Incremental capital:	[]	[]
	Incremental O&M:	[]	[]
	Total:	[]	[]

E. Assumptions & Comments:

NO ACTIVITY IN 2007

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 Appendix for each program)

A. Name of the Program: INTERVAL METERS

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

Hawkesbury Hydro will remit incentive to industrial customers ON INTERVAL METERS. SWITCHING TO INTERVAL METERS

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Standard Meter		
Efficient technology:	Interval meters		
Number of participants or units delivered for reporting year:			
Measure life (years):	15		
Number of Participants or units delivered life to date	7		

B. **TRC Results:**

	Reporting Year	Year-to-date TRC Result
¹ TRC Benefits (\$):	\$	-
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ -	7,000.00
Incremental Measure Costs (Equipment Costs)		-
Total TRC costs:	\$ -	7,000.00
Net TRC (in year CDN \$):	\$ -	7,000.00

Benefit to Cost Ratio (TRC Benefits/TRC Costs):

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	Summer		
	Winter		
	lifecycle	in year	Cumulative Annual Lifecycle 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 (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 savings (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. Actual Program Costs:

Utility direct costs (\$):

	<u>Reporting Year</u>	<u>Cumulative Life to Dat</u>
Incremental capital:		
Incremental O&M:		
Incentive:		
Total:		

Utility indirect costs (\$):

Incremental capital:		
Incremental O&M:		
Total:		

E. Assumptions & Comments:

Please recognize that 7 actual customers were given a \$1000 incentive amount since they already had the interval meters on their service.

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 non-energy related programs, report only the costs on a program basis. Incentives (e.g. rebates) from the ESCO to a customer are not a component of the ESCO's program payments made

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** LINE LOSS AND OPTIMIZATION STUDY

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

Hawkesbury Hydro did bring to an end its line loss study late in 2006. High line loss reported in 2005 was a major incentive to perform this important study. At the present time Hawkesbury

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:			
Efficient technology:	line loss & optimization study		
Number of participants or units delivered for reporting year:			
Measure life (years):	15		
Number of Participants or units delivered life to date			

B. TRC Results:

	Reporting Year	life-to-date TRC Results
¹ TRC Benefits (\$):		\$ -
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ -	37,538.00
Incremental Measure Costs (Equipment Costs)		-
Total TRC costs:	\$ -	37,538.00
Net TRC (in year CDN \$):	\$ -	37,538.00

Benefit to Cost Ratio (TRC Benefits/TRC Costs):

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

Cumulative Results:

Conservation Programs:

	Summer	Winter		
Demand savings (kW):				
			Cumulative	Cumulative
			e	Annual
	lifecycle	in year	Lifecycle	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 (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 savings (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. Actual Program Costs:

		<u>Reporting Year</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:	[]	[]

E. Assumptions & Comments:

Study was completed in December 2006. Implementation of some recommendations will be performed in 2007. Impossible at this time to quantify the results.

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 Appendix for each program)

A. **Name of the Program:** ENERGYSTAR- WATER COOLER replacement

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

Hawkesbury Hydro will remit incentive for water cooler replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Current standard for water cooler		
Efficient technology:	Energystar water cooler		
Number of participants or units delivered for reporting year:			
Measure life (years):	10		
Number of Participants or units delivered life to date	1		

B. TRC Results:

	Reporting Year	Life-to-date TRC Result
¹ TRC Benefits (\$):	\$ -	\$ 114.75
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ -	250.00
Incremental Measure Costs (Equipment Costs)	\$ -	100.00
Total TRC costs:	\$ -	350.00
Net TRC (in year CDN \$):	\$ -	(235.25)
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	\$ -	0.33

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

Cumulative Results:

Conservation Programs:

	Summer	Winter	Lifecycle	in year	Cumulative	Cumulative
					Annual	Annual
Demand savings (kW):						
Energy saved (kWh):					2060	206
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 (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 savings (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. Actual Program Costs:

		<u>Reporting Year</u>	<u>Cumulative Life to Date</u>
Utility direct costs (\$):	Incremental capital:	[]	[]
	Incremental O&M:	[]	[]
	Incentive:	[]	\$ 27.00
	Total:	[]	\$ 27.00
Utility indirect costs (\$):	Incremental capital:	[]	[]
	Incremental O&M:	[]	[]
	Total:	[]	[]

E. Assumptions & Comments:

NO ACTIVITY IN 2007

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 Appendix for each program)

A. **Name of the Program:** ENERGYSTAR- light bulbs

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

Hawkesbury Hydro is distributing light bulb to customers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	Current standard lights		
Efficient technology:	new energy efficient lights		
Number of participants or units delivered for reporting year:	878		
Measure life (years):	5		
Number of Participants or units delivered life to date	878		

B. TRC Results:

	Reporting Year	life-to-date TRC Results
¹ TRC Benefits (\$):	\$ 41,056.86	\$ 41,056.86
² TRC Costs (\$):		
Utility program cost (excluding incentives):	\$ 10,715.34	10,715.34
Incremental Measure Costs (Equipment Costs)	\$ 3,160.80	3,160.80
Total TRC costs:	\$ 13,876.14	13,876.14
Net TRC (in year CDN \$):	\$ 27,180.72	27,180.72
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	\$ 2.96	2.96

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

Cumulative Results:

Conservation Programs:

	Summer	Winter	Cumulative	Cumulative
			Annual	Annual
	lifecycle	in year	Lifecycle	Savings
Demand savings (kW):				
Energy saved (kWh):	687620	137524	687620	137524
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 (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 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>Reporting Year</u>	<u>Cumulative Life to Date</u>
Utility direct costs (\$):	Incremental capital:	[]	[]
	Incremental O&M:	\$ 10,715.34	\$ 10,715.34
	Incentive:	\$ -	\$ -
	Total:	\$ 10,715.34	\$ 10,715.34
Utility indirect costs (\$):	Incremental capital:	[]	[]
	Incremental O&M:	[]	[]
	Total:	[]	[]

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 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 Appendix for each program)

A. **Name of the Program:** ENERGYSTAR THERMOSTAT (PROGRAMMABLE) replacement

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

Hawkesbury Hydro will remit incentive for programmable thermostat replacement .

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
<i>Base case technology:</i>	Current standard for Thermostat		
<i>Efficient technology:</i>	Energystar programmable thermostat		
<i>Number of participants or units delivered for reporting year:</i>	20		
<i>Measure life (years):</i>	18		
<i>Number of Participants or units delivered life to date</i>	3		

B. TRC Results:

	Reporting Year	e-to-date TRC Result
¹ TRC Benefits (\$):	\$ 4,132.46	\$ 4,716.19
² TRC Costs (\$):		
<i>Utility program cost (excluding incentives):</i>	\$ 438.00	688.00
<i>Incremental Measure Costs (Equipment Costs)</i>	\$ 1,080.00	1,330.00
<i>Total TRC costs:</i>	\$ 1,518.00	1,968.00
Net TRC (in year CDN \$):	\$ 2,614.46	2,478.73
<i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i>	\$ 2.72	2.40

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

Cumulative Results:

Conservation Programs:

	Summer	Winter	Cumulative Lifecycle	Cumulative Annual Savings
<i>Demand savings (kW):</i>				
<i>Energy saved (kWh):</i>	51588	2866	59328	3296
<i>Other resources saved :</i>				
<i>Natural Gas (m3):</i>				
<i>Other (specify):</i>				

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>		
--------------------------------	--	--

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 savings (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. Actual Program Costs:

Utility direct costs (\$):

	Reporting Year	umulative Life to Dat
Incremental capital:		
Incremental O&M:	\$ 438.00	\$ 438.00
Incentive:		\$ 73.41
Total:	\$ 438.00	\$ 511.41

Utility indirect costs (\$):

Incremental capital:		
Incremental O&M:		
Total:		

E. Assumptions & Comments:

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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 C - Program and Portfolio Totals

Report Year:

1. Residential Programs

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

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

	TRC Benefits		\$ 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 (\$)
	(PV)	TRC Costs (PV)						
FRIDGE	\$ -	\$ -	\$ -	0.00	0	50,631	0	\$ -
AIR CONDITIONNING	\$ -	\$ -	\$ -	0.00	0	4,760	0	\$ -
FREEZER	\$ -	\$ -	\$ -	0.00	0	3,471	0	\$ -
APPLIANCES	\$ -	\$ -	\$ -	0.00	0	6,180	0	\$ -
CLOTHES WASHER	\$ -	\$ -	\$ -	0.00	0	32,306	0	\$ -
WATER COOLERS	\$ -	\$ -	\$ -	0.00	0	2,060	0	\$ -
LIGHT BULBS	\$ 41,057	\$ 13,876	\$ 27,181	2.96	137,524	687,620	0	\$ 10,715
THERMOSTATS	\$ 4,132	\$ 1,518	\$ 2,614	2.72	2,866	51,588	0	\$ 438
DISHWASHER	\$ -	\$ -	\$ -	0.00	0	31,590	0	\$ -
Name of Program J			\$ -	0.00				
*Totals App. B - Residential	\$ 45,189	\$ 15,394	\$ 29,795	2.94	140,390	870,206	0	\$ 11,153
Residential Indirect Costs not attributable to any specific program	→							
Total Residential TRC Costs		\$ 15,394						
**Totals TRC - Residential	\$ 45,189	\$ 15,394	\$ 29,795	2.94				

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 Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
	(PV)	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 - Commercial	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -

Commercial Indirect Costs not attributable to any specific program



Total TRC Costs		\$	-			
**Totals TRC - Commercial	\$	-	\$	-	\$	0.00

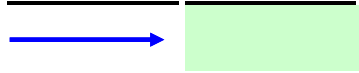
3. Institutional Programs

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

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

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
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	0	\$ -

Institutional Indirect Costs not attributable to any specific program



Total TRC Costs		\$	-			
**Totals TRC - Institutional	\$	-	\$	-	\$	0.00

4. Industrial Programs

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

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

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
INTERVAL METERS	\$ -	\$ -	\$ -	0.00	0		0	\$ -
Name of Program C			\$ -	0.00				
Name of Program C			\$ -	0.00				
Name of Program D			\$ -	0.00				
Name of Program E			\$ -	0.00				
Name of Program F			\$ -	0.00				
Name of Program G			\$ -	0.00				
Name of Program H			\$ -	0.00				
Name of Program I			\$ -	0.00				

Name of Program J			\$	-	0.00							
*Totals App. B - Industrial	\$	-	\$	-	\$	-	0.00	0	0	0	\$	-
Industrial Indirect Costs not attributable to any specific program	→											
Total TRC Costs			\$	-								
**Totals TRC - Industrial	\$	-	\$	-	\$	-	0.00					

5. Agricultural Programs

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

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

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

6. LDC System Programs

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

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

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)		
LINE LOSS STUDY	\$	-	\$	-	0.00	0	0	0	\$	-
Name of Program B			\$	-	0.00					

Name of Program C			\$	-	0.00				
Name of Program D			\$	-	0.00				
Name of Program E			\$	-	0.00				
Name of Program F			\$	-	0.00				
Name of Program G			\$	-	0.00				
Name of Program H			\$	-	0.00				
Name of Program I			\$	-	0.00				
Name of Program C			\$	-	0.00				
*Totals App. B - LDC System	\$	-	\$	-	0.00	0	0	0	\$

LDC System Indirect Costs not attributable to any specific program



Total TRC Costs		\$	-						
**Totals TRC - LDC System	\$	-	\$	-	0.00				

7. Smart Meters Program

Only spending information that was authorized under the 3rd tranche of MARR is required to be reported for Smart Meters.

Report Year Gross C&DM Expenditures (\$)



8. Other #1 Programs

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

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

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
Name of Program A			\$	-	0.00			
Name of Program B			\$	-	0.00			
Name of Program C			\$	-	0.00			
Name of Program D			\$	-	0.00			
Name of Program E			\$	-	0.00			
Name of Program F			\$	-	0.00			
Name of Program G			\$	-	0.00			
Name of Program H			\$	-	0.00			
Name of Program I			\$	-	0.00			
Name of Program J			\$	-	0.00			
*Totals App. B - Other #1	\$	-	\$	-	0.00	0	0	\$

Other #1 Indirect Costs not attributable to any specific program



Total TRC Costs		\$	-					
**Totals TRC - Other #1	\$	-	\$	-	0.00			

9. Other #2 Programs

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

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

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

LDC's CDM PORTFOLIO TOTALS

	TRC Benefits (PV)	TRC Costs (PV)	\$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures (\$)
*TOTALS FOR ALL APPENDIX B	\$ 45,189	\$ 15,394	\$ 29,795	2.94	\$ 140,390	\$ 870,206	\$ -	\$ 11,153
Any other Indirect Costs not attributable to any specific program	→							
TOTAL ALL LDC COSTS		\$ 15,394						
**LDC' PORTFOLIO TRC	\$ 45,189	\$ 15,394	\$ 29,795	2.94				

* 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.