NEWMARKET Hydro LTD.

conserve

Newmarket Hydro
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Conservation and Demand Management Plan

Annual Report

April 2, 2007

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Introduction

The goal of the Newmarket Hydro Conservation and Demand Management Plan (CDM Plan) is to create awareness around the importance of energy conservation and to encourage conservation behaviours by all of its customers. In 2006 our funds supported this goal by granting access to conservation resources in hopes of achieving a sustained conservation movement throughout our service area. Through education campaigns and incentive programs Newmarket Hydro customers are informed and also encouraged to participate in energy conservation activities.

Newmarket Hydro's budget for its CDM Plan is $1,267,010.00. We are offering several conservation programs targeting customers in all consumer classes.

Residential customers are encouraged to conserve through incentive programs and various education initiatives. We put an emphasis on energy conservation in the home through appliance retirement and upgrades as well as switching to compact fluorescent lighting. Residential customers are also offered tools to help monitor their own energy usage and are therefore aware of opportunities to conserve energy.

Newmarket Hydro has built a working relationship with the housing providers in Newmarket in the social housing sector. We have also successfully engaged members of the commercial and industrial sectors through incentive programs.

On August 17, 2006 the Ontario Energy Board approved Newmarket Hydro's proposal for a Time-of-Use Pricing Pilot Project. In conjunction with this project Newmarket Hydro was approved to reallocate $130,000 of its CDM funds - $50,000 from the residential sector and $80,000 from the business/commercial/industrial sector - to install smart thermostats in the homes of volunteer time-of-use pilot project participants.

Evaluation of the CDM Plan

Newmarket Hydro's expenditures total $277,789.00 for the 2006 reporting year representing 22% of its total CDM budget. Total expenditures to date are $584,284.00 or 46% of the total approved budget.

The benefit to cost ratio for all Newmarket Hydro CDM programs in 2006 is 3.20. The total energy savings achieved are 1,780,131 kWh and the total peak demand saved is 900 kW. Our expenditures per kWh saved amounts to $0.18/kWh, a decrease of $0.03/kWh from that seen in 2005. Similarly, the expenditures per kW saved decreased by $15.00/kW from $338.70/kW to $323.70/kW.

Total energy savings as a percentage of total kWh delivered is 0.25%. The peak demand saved as a percentage of Newmarket Hydro's peak load for 2006 is 0.58%

Newmarket Hydro was successful in engaging its residential customers in 2006. The total funding spent on residential programs was $223,866.00 or 81% of the total spending for the reporting year. For all residential programs including Energy Star appliance rebates, an appliance recycling program, CFL discounts and giveaways, the LED Christmas light exchange, two provincial programs: Switch to Cold and Keep Cool 2006, the Kill A Watt electric usage monitor program and the time-of-use pilot project with programmable thermostats there was benefit to cost ratio of 3.27. The programs yielded a total energy saving of 1,444,627 kWh and a total peak demand savings of 541 kW. The total kWh saved as a percentage of total kWh delivered is 0.21% and the peak kW saved as a percentage of our peak kW load is 0.35%.

Two large general service users in the Newmarket area have received an extensive energy audit from Ecosystem Inc. in partnership with Newmarket Hydro. An elementary school and an industrial building underwent lighting retrofits as recommended by the audit whereby Newmarket Hydro provided a combined total incentive of $10,110.

Discussion of the Programs

Residential Programs:

CFL Discount and Giveaway Programs
Newmarket Hydro sold 98 six-packs of CFL's to its residential customers in 2006. Each pack is subsidized by Newmarket Hydro in the amount of $11.00. As incentive to attend public information sessions, Newmarket Hydro gave away 1500 CFL bulbs to residential customers. Both programs have a TRC benefit to cost ratio of 13.12 and yield a combined total annual energy savings of 196,188 kWh.

Keep Cool
Newmarket Hydro participated in the Keep Cool program, a provincial conservation program where customers could take an old room air conditioner (RAC) to one of two Home Depot locations and receive a $25 gift card. A total of 241 residential customers participated in the program of which 145 retired their RAC and 98 replaced it with an Energy Star qualified RAC. The program has a benefit to cost ratio of 3.08 and produces a total annual energy savings of 71,403 kWh. The program also results in a peak demand savings of 132.46 kW.

The Kill A Watt Electric Usage Monitor Program
The Kill A Watt electric usage monitor is a conservation tool that allows the customer to see how much electricity an individual appliance or electronic device

is using. It is available for loan or purchase from Newmarket Hydro. The program commenced in the fall of 2006 and 43 residential customers participated. Assuming a 2% energy savings per customer where the average customer uses 500 kWh, the program shows an energy savings of 430 kWh.

LED Christmas Light Exchange
A total of 330 customers participated in the LED Christmas light exchange in 2006 where they retire an old set of Christmas lights and receive a new set of 24 LED Christmas lights in exchange. The program yielded an energy savings of 5912 kWh this year.

Switch to Cold
In the provincial Switch to Cold program residents were encouraged to wash clothes in cold water to save energy. A total of 550 customers participated online resulting in a 256,988 kWh annual energy savings and an 8.58 kW peak demand savings.

Energy Star Qualified Appliance Rebate Program
Newmarket Hydro is offering rebates for the purchase of an Energy Star qualified refrigerator, dishwasher with time delay or front-loading clothes washer. A total of 432 residential customers participated in 2006 yielding a total annual energy savings of 124,504 kWh and a total peak demand savings of 80.1 kW. The benefit to cost ratio for the program is 2.71. The overall lifecycle energy savings of the program amount to 1,768,340 kWh. The rebate program for the Energy Star qualified refrigerator was completed on May 15, 2006.

Appliance Retirement Program
A total of 1405 residential customers participated in Newmarket Hydro's appliance recycling program. Customers purchase an appliance pick-up tag from the local municipal office and Newmarket Hydro then reimburses them for the full cost of the tag as a rebate on their hydro bill. Appliances such as dishwashers, clothes washers, clothes dryers, freezers, ranges/ovens and refrigerators are eligible for the rebate. For all appliance categories combined the program yields an annual energy savings of 771,878 kWh. The benefit to cost ratio for the program is 3.27.

Time-of-Use Pilot Project
Out of a possible 400 eligible residential customers, 132 volunteered to participate in our smart thermostat program as part of our time-of-use pilot project. The installation of programmable thermostats shows an annual energy savings of 17,324 kWh, a peak demand savings of 319.51 kW and a benefit to cost ratio of 3.75. The thermostats are equipped with a communication chip that allows Newmarket Hydro to cycle participants' air conditioners during provincial critical peak periods. Due to a late start to the program we were unable to run a critical peak event during the cooling season of 2006. Results will be available in 2007.

Small Business < 50 kW

Newmarket Hydro is currently researching the use of advanced technology for cooling systems in the small business sector. The product will maximize the use of off-peak electricity where the cost and environmental impact of generation are low. We also plan to participate in the OPA's business incentive program starting in the summer of 2007.

Business/Commercial/Industrial

In 2006 Newmarket Hydro provided incentives to commercial and industrial customers who partook in energy-efficiency upgrades. Two customers, an elementary school and an industrial building completed lighting retrofits and received a combined total incentive of $10110.00 - $2500.00 and $7610.00 respectively. The program generated a total energy savings of 335,504 kWh and a peak demand savings of 359 kW for the reporting year.

Social Housing

Members of the social housing community have shown great enthusiasm in implementing conservation measures in their housing complexes. In support of the needs expressed by the Newmarket housing providers through a working relationship with Newmarket Hydro we have allocated a significant portion of our CDM funds to energy efficiency upgrades within five housing complexes in the Newmarket area. Providers are in the process of submitting energy management plans that outline their conservation measures and quantify the energy saving for each. Results of the program will be available in 2007.

We are also funding a pilot project in two electrically-heated housing co-ops in Newmarket. Twelve units, six in each co-op, are participating. Three of the six in each co-op will receive an electric thermal storage unit in supplement to their existing baseboard heating. Electric thermal storage heating uses off-peak electricity to generate heat energy and stores it in ceramic bricks. The stored heat is then circulated throughout the home during on-peak hours when the cost of electricity and environmental impact of generation are high. Results of the pilot will be available in 2007.

In an attempt to spread conservation awareness Newmarket Hydro, in cooperation with members of the social housing community, distributed its first issue of Conservation Comes Home in the fall of 2006. The newsletter focuses on conservation information and tips to be applied in the home and communities at large. It will be distributed to all customers residing in social housing communities in the Newmarket area on a quarterly basis.

Program Development and Administration

Newmarket Hydro requires administrative support to develop, implement and maintain all of its CDM programs. We also provide customer support via telephone, email, our website and through various public information sessions held throughout the year.

Education Program

Newmarket Hydro exhausted its funds for the education program in 2005 by developing an education and marketing program. The creation of the Newmarket Hydro Conserve logo has allowed us to be recognized in our community as a leader in conservation initiatives. We continue to provide education and marketing for all programs through their individual budgets.

Lessons Learned

Residential Programs

Newmarket Hydro CDM programs targeting the residential sector proved to be successful for the 2006 reporting year.

CFL Discount and Giveaway Programs
The CFL discount and giveaway programs created awareness around the benefits of switching to compact fluorescent lighting. The programs yield a total lifecycle energy savings of 784,754 kWh. Newmarket Hydro will continue to promote the use of CFL's by subsidizing the cost of a 6-pack of CFL's and through giveaways.

Keep Cool
The Keep Cool program was successful in informing the public of the energy and environmental costs of old room air conditioning units. It contributed a total lifecycle energy savings of 474,038 kWh to our residential programs. Results indicate that it is much more beneficial to have an RAC retired instead of replaced by an Energy Star qualified one. Approximately 60% of our participants retired an old RAC amounting to a lifecycle energy savings of 382,800 kWh, representing 81% of total lifecycle energy savings for the program. Newmarket Hydro is hoping to participate in the provincial Keep Cool program for the summer of 2007.

The Kill A Watt Electric Usage Monitor Program
Newmarket Hydro 's residential customers have responded well to the Kill A Watt electric usage monitor program. We will continue to offer the usage monitor to residential customers for sign-out or purchase in attempt to educate the public

and create awareness. We have recently expanded the program by making the monitors available at the local municipal office as well as the local public library.

The LED Christmas Light Exchange
The LED Christmas light exchange was a success in 2006. The program will produce a lifecycle energy savings of 118,232 kWh with a benefit to cost ratio of 8.89. Newmarket Hydro hopes to host another LED Christmas light exchange in the latter part of 2007.

Switch to Cold
The provincial Switch to Cold program has a benefit to cost ratio of 4.14 and proved to be successful in 2006. Newmarket Hydro would gladly participate if the program is run again in 2007.

Energy Star Qualified Appliance Rebate Program
In the case of the Energy Star qualified appliance rebate program, the front-loading clothes washer rebate shows the best results with an individual annual energy savings of 111,024 kWh, representing 89% of the total annual energy savings for the program. Peak demand savings for the washer is 51.9 kW and represents 74% of the total peak demand savings for the program. The Energy Star qualified dishwasher with time delay rebate program showed poor results with a benefit to cost ratio of only 0.63. The dishwasher rebate program was developed in response to requests from our time-of-use pilot project participants. The time delay setting allows for load shifting to off-peak times. This benefit cannot be quantified using the TRC and will therefore be further evaluated. The Energy Star qualified refrigerator rebate program ended as of May 15, 2006 due a poor benefit to cost result in 2005 of 0.98.

Appliance Recycling Program
The appliance recycling program yielded a total lifecycle energy savings of 4,631,268 kWh, a result far greater than any other residential program offered by Newmarket Hydro. The refrigerator recycling program is the most beneficial with an individual energy savings of 333,720 kWh, representing 43% of the annual energy savings of the total program, and a benefit to cost ratio of 4.78. Newmarket Hydro will continue to fund the appliance recycling program until the launch of the OPA appliance retirement program in the summer of 2007.

Time-of-Use Pilot Project
The installation of programmable thermostats as part of our time-of-use pilot project yields a summer demand savings of 319.51 kW. This is the most demand savings achieved by a residential program offered by Newmarket Hydro in 2006. Newmarket Hydro is planning to install more thermostats throughout the Newmarket area through participation in the OPA's residential and small commercial demand response program for the 2007 cooling season.

As part of the time-of-use pilot project, in the summer of 2007 Newmarket Hydro will be offering a Critical Peak Price Rebate (CPPR) where we will declare a critical peak event when the demand for electricity is high in Ontario and customers are encouraged to conserve energy through a rebate incentive. For all participating customers Newmarket Hydro will calculate their projected usage for the given time period using an average of the last five weekdays and weather correcting it. Any customers who use less than their projected usage for that time period will receive a rebate per kWh saved. Participating customers will be notified prior to the event and the critical peak period will run from 2 to 6 hours depending on demand requirements. We expect positive results from the program to be reported in 2007.

Business/Commercial/Industrial > 50 kW

The incentive program for our >50 kW customers was successful in 2006. The two lighting retrofits completed in 2006 lead to a lifecycle energy savings of 1,677,521 kWh with a benefit to cost ratio of 2.92. This program alone saved 0.23% of the peak load for Newmarket in 2006.

Newmarket Hydro is currently working with two additional industrial buildings that will be completing energy-efficiency upgrades in 2007. Results will be available at this time. We will continue to promote energy saving measures in the commercial and industrial sectors and provide incentive where applicable. Newmarket Hydro plans to participate in the OPA business incentive program commencing in the summer of 2007.

Please note:
Newmarket Hydro believes there is an error in the TRC Guide Assumptions and Measures List for the Industrial sector. The Commercial list, "Interior Lighting – Warehouse & Workshop" uses annual operating time of 4000 hours. In the Industrial list, "Interior Lighting – Warehouse & Plant", for the same equipment, the annual operating time is 6000 hours. This operating hour difference in the Industrial Assumptions and Measures List should yield different Base Annual Energy and different Efficient Energy Use calculations. In all but two of the calculations the same numbers are used on the Commercial page and the Industrial page. Newmarket Hydro is appealing to the Board to change the TRC Guide to correct the guide. Thank you.

Social Housing

We expect high energy savings from our program funding energy-efficiency upgrades in 5 social housing complexes in the Newmarket area. We also expect positive results from our electric thermal storage pilot and hope to relieve some of the burden placed on our customers residing in social housing complexes with electric heat. We will continue to work with the housing providers on the above mentioned conservation and demand management initiatives and expect positive

results to be reported in 2007. We are working with the Social Housing Services Corporation (SHSC) and the OPA to further develop our conservation programs in the social housing sector for the coming year.

Conclusion

The 2006 reporting year has been very successful one for the Newmarket Hydro conservation and demand management programs. We have had overwhelming participation from our customers in the residential sector and have achieved positive results from all residential programs. Our incentive program for the Business/Commercial/Industrial sector has successfully encouraged large users to invest in lighting retrofits that reduce operating costs and generate high energy savings. We have successfully engaged members of the social housing community and continue to work closely with those individuals to achieve our conservation goals.

Newmarket Hydro remains in close contact will all of its customers in regard to conservation matters. We continue to refine our conservation programs to meet customer needs and achieve optimum results. Our plans for 2007 include the expansion of our conservation education program to reach elementary school students, sponsorship and participation in a local ecology festival, further development of our two pilot projects, the time-of-use pilot with smart thermostats and the electric thermal storage pilot, and the continuation of our current programs as long as funds are available. As a continuation of our diverse conservation programs we will participate in all four conservation programs facilitated by the OPA to commence in the summer of 2007. Newmarket Hydro has completed a successful year in conservation and demand management and look forward to our future conservation endeavors.

Appendix A - Evaluation of the CDM Plan

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

	[5] Cumulative Totals Life-to-date	Total for 2006	Residential	Commercial	Social Housing	Program Development & Administration	Education	LDC System
Net TRC value ($):	*$768,915*	$ 485,303	$ 399,123	$ 86,180	$ -	$ -	$ -	$ -
Benefit to cost ratio:	*3.47*	3.20	3.27	2.92	0.00	0.00	0.00	0.00
Number of participants or units delivered:	*63200*	*31422*	4733	2	12		26675	
Lifecycle (kWh) Savings:	*17,454,786*	10,023,400	8,345,879	1,677,521	0	0	0	0
Report Year Total kWh saved (kWh):	*3,245,140*	1,780,131	1,444,627	335,504	0	0	0	0
Total peak demand saved (kW):	*1805*	900	541	359		0	0	0
Total kWh saved as a percentage of total kWh delivered (%):	*0.46%*	0.25%	0.21%	0.05%				
Peak kW saved as a percentage of LDC peak kW load (%):	*1.16%*	0.58%	0.35%	0.23%				
[1] *Report Year Gross C&DM expenditures ($):*	*$584,284*	$ 277,789	$ 223,866	$ 10,110	$ 10,384	$ 34,010	-$ 582	$ -
[2] *Expenditures per KWh saved ($/kWh):*	*$0.18*	$ 0.03	$ 0.03	$ 0.01	$ -	$ -	$ -	$ -
[3] *Expenditures per KW saved ($/kW):*	*$323.70*	$ 308.61	$ 414.07	$ 28.13	$ -	$ -	$ -	$ -

Utility discount rate (%):	*7.625*

[1] Expenditures are reported on accrual basis.
[2] Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate energy savings.
[3] Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate capacity savings.
[4] Please report spending related to 3rd tranche of MARR funding only. TRC calculations are not required for Smart Meters. Only actual expenditures for the year need to be reported.
[5] Includes total for the reporting year, plus prior year, if any (for example, 2006 CDM Annual report for third tranche will include 2005 and 2004 numbers, if any.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Energy Gateway Pilot Project

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

This energy management pilot program offered by Olameter provided customers with existing broadband service links to their thermostat and the existing electric meter and back office system via the internet to provide customers with energy management capabilities and information. Goals of this project were to prove the technology and infrastructure exists to control loads in residential and small commercial facilities; manage the control of HVAC loads in real time.

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	6		

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*		$2,409.30
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		900
Incremental Measure Costs (Equipment Costs)		
Total TRC costs:		$900.00
Net TRC (in year CDN $):		$1,509.30
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		2.68

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*		54
	Winter		
	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 (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:*		
	Incremental O&M:		$ 25,000.00
	Incentive:		
	Total:		$ 25,000.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Compact Fluorescent Light Discount

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

Newmarket Hydro customers can purchase a 6-pack of Philips Marathon 15w CFL's for $11.49 plus taxes. Newmarket Hydro subsidizes this program at a rate of $11.00 per 6 pack.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	139.2		
Efficient technology:	34.8		
Number of participants or units delivered for reporting year:	98		
Measure life (years):	4		
Number of Participants or units delivered life to date	250		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*13,882.05*	$35,272.13
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	1,058.40	$2,699.48
Total TRC costs:	$	1,058.40	$2,699.48
Net TRC (in year CDN $):	$	12,823.65	$32,572.13
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	13.12	13.08

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* / *Winter*

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	220994	55248	563760	140940
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
Utility direct costs ($):	*Incremental capital:*	$ 1,390.53	$ 5,321.25
	Incremental O&M:		
	Incentive:	$ 1,078.00	$ 2,750.00
	Total:	$ 2,468.53	$ 6,399.25
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Compact Fluorescent Light Giveaway

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

Newmarket Hydro provides Philips Marathon Classic 60 16w CFL's as an incentive for attendance of public information sessions discussing various CDM programs.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	139.2		
Efficient technology:	34.8		
Number of participants or units delivered for reporting year:	1500		
Measure life (years):	4		
Number of Participants or units delivered life to date	1680		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*35,413.40*	$74,816.17
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	2,700.00	$5,724.00
Total TRC costs:	$	2,700.00	$5,724.00
Net TRC (in year CDN $):	$	32,713.40	$69,092.17
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	13.12	13.08

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer* / *Winter*			
	lifecycle		*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*563760*	140940	1195171	298793
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
Utility direct costs ($):	*Incremental capital:*	$ 10,400.40	$ 32,122.80
	Incremental O&M:		
	Incentive:		
	Total:	$ 10,400.40	$ 32,122.80
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Keep Cool Program (No Replacement)

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

In collaboration with the Clean Air Foundation Newmarket Hydro encouraged customers to retire old, inefficient room air conditioners (RAC's). Customers brought an old RAC to one of two Home Depot locations and received a $25 gift card.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	880		
Efficient technology:	792		
Number of participants or units delivered for reporting year:	145		
Measure life (years):	12		
Number of Participants or units delivered life to date	145		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*23,519.33*	$23,519.33
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	7,250.00	$7,250.00
Total TRC costs:	$	7,250.00	$7,250.00
Net TRC (in year CDN $):	$	16,269.33	$16,269.33
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	3.24	3.24

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	39.15			39.15
	Winter				
	lifecycle		*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*382800*	63800		382800	63800
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:	$ 15,276.29	$ 15,276.29
	Incentive:		
	Total:	$ 15,276.29	$ 15,276.29
Utility indirect costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Total:		

E. **Assumptions & Comments:**

Total program cost is $25460.49. Since 145 participants represents approximately 60% of the total participation we have therefore reported 60% of total program costs under Utility direct costs for this portion of the program.

[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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Keep Cool Program (old RAC replaced by new Energy Star RAC)

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

In collaboration with the Clean Air Foundation Newmarket Hydro encouraged customers to retire old, inefficient room air conditioners (RAC's). Customers brought an old RAC to one of two Home Depot locations and received a $25 gift card.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	880		
Efficient technology:	792		
Number of participants or units delivered for reporting year:	96		
Measure life (years):	12		
Number of Participants or units delivered life to date	96		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*8,344.61*	$8,344.61
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	3,110.40	$3,110.40
Total TRC costs:	$	3,110.40	$3,110.40
Net TRC (in year CDN $):	$	5,234.21	$5,234.21
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	2.68	2.68

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	93.31		93.31
	Winter			

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*91238*	7603	91238	7603
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:	$ 10,184.20	$ 10,184.20
	Incentive:		
	Total:	$ 10,184.20	$ 10,184.20
Utility indirect costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Total:		

E. **Assumptions & Comments:**

Total program cost is $25460.49. Since 96 participants represents approximately 40% of the total participation we have therefore reported 40% of total program costs under Utility direct costs for this portion of the program.

[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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Kill A Watt Electric Usage Monitor Program

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

Newmarket Hydro customers are encouraged to borrow a Kill A Watt electric usage monitor for a maximum period of 30 days at no charge. The monitor is a conservation awareness tool that lets the customer determine how much electricity individual appliances and electronic devices are using on an hourly, weekly or monthly basis. Customer can then figure out the energy costs of the appliance from the usage read-out it displays. Customers can also purchase the monitor for $29.99 plus taxes, the minimum amount we are permitted to charge as determined by the manufacturer. Newmarket Hydro has recently extended the program by making the monitors available to customers at the local municipal government office as well the local public library.

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:	43		
Measure life (years):			
Number of Participants or units delivered life to date	43		

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*		
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental 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)

Conservation Programs:

			Cumulative Results:	
Demand savings (kW):	*Summer*			
	Winter			
	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 (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):	430 kWh	430 kWh

D. **Actual Program Costs:**

		Reporting Year	Cumulative Life to Date
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:	$ 2,506.20	$ 2,506.20
	Incentive:		
	Total:	$ 2,506.20	$ 2,506.20
Utility indirect costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Total:		

E. **Assumptions & Comments:**
Assume an energy savings (kWh) of 2% for each participant where the average participant used 500 kWh.

[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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - LED Christmas Light Exchange

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

Newmarket Hydro customers were encouraged to bring in an old set of Christmas lights and receive one free set of 24 LED Indoor/Outdoor Christmas lights.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	19.4		
Efficient technology:	0.54		
Number of participants or units delivered for reporting year:	330		
Measure life (years):	30		
Number of Participants or units delivered life to date	714		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	5,572.62	$11,822.36
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	627.00	1356.6
Total TRC costs:	$	627.00	1356.6
Net TRC (in year CDN $):	$	4,945.62	$10,465.76
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	8.89	8.73

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* / *Winter*

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*118232*	5912	255811	12791
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**
Utility direct costs ($):	*Incremental capital:*	$	3,972.00	$	11,987.50
	Incremental O&M:				
	Incentive:				
	Total:	$	3,972.00	$	11,987.50
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Switch to Cold

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

Newmarket Hydro customers were informed about the Switch to Cold campaign through a billing insert in 2005. Customers were provided with information on average savings achieved by washing in cold water and encouraged to participate online and were provided with a code unique to each LDC.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	779		
Efficient technology:	156		
Number of participants or units delivered for reporting year:	550		
Measure life (years):	1		
Number of Participants or units delivered life to date	1022		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	17,074.32	$31,727.19
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	4,125.00	$7,665.00
Total TRC costs:	$	4,125.00	$7,665.00
Net TRC (in year CDN $):	$	12,949.32	$24,062.19
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	4.14	4.14

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* 8.58 15.94

Winter

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	256988	256988	477531	477531
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:		
	Total:	$ -	$ 500.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Energy Star Qualified Refrigerator Rebate Program

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

Newmarket Hydro customers were encouraged to replace an older refrigerator with one that is Energy Star qualified. Upon proof of purchase the customer received a $100 rebate applied to their Newmarket Hydro bill. The program was completed as of May 15, 2006.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	514		
Efficient technology:	440		
Number of participants or units delivered for reporting year:	97		
Measure life (years):	19		
Number of Participants or units delivered life to date	121		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*6,197.05*	$7,677.06
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	6,111.00	$7,623.00
Total TRC costs:	$	6,111.00	$7,623.00
Net TRC (in year CDN $):	$	86.05	$118.04
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	1.01	1

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):		*Summer*	28.2		35.18
		Winter			
	lifecycle		*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*122744*		6460	153114	8058
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:	$ 9,700.00	$ 12,100.00
	Total:	$ 9,700.00	$ 12,100.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Energy Star Qualified Dishwasher with Time Delay Setting Rebate Program

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

Newmarket Hydro customers are encouraged to replace their old dishwasher with one that is Energy Star qualified and has a time delay setting. The program provides energy savings through upgrading to Energy Star efficiency and also encourages load shifting to off-peak times. The program commenced in September 2006 and offers a $75 rebate applied to the customer's Newmarket Hydro bill. All Energy Star qualifed dishwasher with time delay purchased after September 1, 2006 qualify for the rebate.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	592		
Efficient technology:	492		
Number of participants or units delivered for reporting year:	78		
Measure life (years):	13		
Number of Participants or units delivered life to date	78		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*4,434.01*	$4,434.01
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	7,020.00	$7,020.00
Total TRC costs:	$	7,020.00	$7,020.00
Net TRC (in year CDN $):	-$	2,585.99	-$2,585.99
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	0.64	0.64

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* / *Winter*

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	91260	7020	91260	7020
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:	$ 5,850.00	$ 5,850.00
	Total:	$ 5,850.00	$ 5,850.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Residential - Energy Star Front-Loading Clothes Washer Rebate Program

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

Newmarket Hydro customers are encouraged to replace an older clothes washer with an Energy Star qualified front-loading clothes washer. Upon proof of purchase the customers receive a $100 rebate applied to their Newmarket Hydro bill.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	779		
Efficient technology:	299		
Number of participants or units delivered for reporting year:	257		
Measure life (years):	14		
Number of Participants or units delivered life to date	290		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*150,381.13*	$169,183.16
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	46,260.00	$52,200.00
Total TRC costs:	$	46,260.00	$52,200.00
Net TRC (in year CDN $):	$	104,121.13	$116,983.16
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		3.25	3.21

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	51.9		58.56
	Winter			
	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*1554336*	111024	1753920	125280
Other resources saved :				
Natural Gas (m3):				
Other (specify):	Water 280 m^3	Water 20 m^3		

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:*		
	Incremental O&M:		
	Incentive:	$ 25,700.00	$ 29,000.00
	Total:	$ 25,700.00	$ 29,000.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Other Programs - Recycling Program - Dishwasher

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

Newmarket Hydro customers are encouraged to retire old and inefficient appliances. Our customers are reimbursed for the full cost of an appliance pick-up tag purchased at the local Municipal office. A rebate of $11.00 is applied to their Newmarket Hydro account for each appliance pick-up tag purchased.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	592		
Efficient technology:			
Number of participants or units delivered for reporting year:	311		
Measure life (years):	6		
Number of Participants or units delivered life to date	651		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*30,828.35*	$64,173.68
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	15,550.00	$32,550.00
Total TRC costs:	$	15,550.00	$32,550.00
Net TRC (in year CDN $):	$	15,278.35	$31,623.68
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	1.98	1.97

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* / *Winter*

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	552336	92056	1156176	192696
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:	$ 3,421.00	$ 7,161.00
	Total:	$ 3,421.00	$ 7,161.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Other Programs - Recycling Program - Clothes Washer

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

Newmarket Hydro customers are encouraged to retire old and inefficient appliances. Our customers are reimbursed for the full cost of an appliance pick-up tag purchased at the local Municipal office. A rebate of $11.00 is applied to their Newmarket Hydro account for each appliance pick-up tag purchased.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	779		
Efficient technology:			
Number of participants or units delivered for reporting year:	250		
Measure life (years):	6		
Number of Participants or units delivered life to date	552		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*32,609.61*	$71,583.95
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	12,500.00	$27,600.00
Total TRC costs:	$	12,500.00	$27,600.00
Net TRC (in year CDN $):	$	20,109.61	$43,983.95
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	2.61	2.6

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* / *Winter*

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*584250*	97375	1290024	215004
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:	$ 2,750.00	$ 6,072.00
	Total:	$ 2,750.00	$ 6,072.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Other Programs - Recycling Program - Clothes Dryer

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

Newmarket Hydro customers are encouraged to retire old and inefficient appliances. Our customers are reimbursed for the full cost of an appliance pick-up tag purchased at the local Municipal office. A rebate of $11.00 is applied to their Newmarket Hydro account for each appliance pick-up tag purchased.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	916		
Efficient technology:			
Number of participants or units delivered for reporting year:	219		
Measure life (years):	6		
Number of Participants or units delivered life to date	439		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*33,589.82*	$66,974.91
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	10,950.00	$21,950.00
Total TRC costs:	$	10,950.00	$21,950.00
Net TRC (in year CDN $):	$	22,639.82	$45,024.91
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	3.07	3.06

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer* / *Winter*			
	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*601812*	100302	1206372	201062
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:	$ 2,409.00	$ 4,829.00
	Total:	$ 2,409.00	$ 4,829.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Other Programs - Recycling Program - Freezer

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

Newmarket Hydro customers are encouraged to retire old and inefficient appliances. Our customers are reimbursed for the full cost of an appliance pick-up tag purchased at the local Municipal office. A rebate of $11.00 is applied to their Newmarket Hydro account for each appliance pick-up tag purchased.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	900		
Efficient technology:			
Number of participants or units delivered for reporting year:	115		
Measure life (years):	6		
Number of Participants or units delivered life to date	277		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*37,079.29*	$88,712.88
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	10,350.00	$24,930.00
Total TRC costs:	$	10,350.00	$24,930.00
Net TRC (in year CDN $):	$	26,729.29	$63,779.88
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	3.58	3.56

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*		
	Winter		
	lifecycle	*in year*	*Cumulative Lifecycle* / Cumulative Annual Savings
Energy saved (kWh):	*558900*	93150	1346220 / 224370
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:	$ 1,265.00	$ 3,047.00
	Total:	$ 1,265.00	$ 3,047.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Other Programs - Recycling Program - Range/Ovens

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

Newmarket Hydro customers are encouraged to retire old and inefficient appliances. Our customers are reimbursed for the full cost of an appliance pick-up tag purchased at the local Municipal office. A rebate of $11.00 is applied to their Newmarket Hydro account for each appliance pick-up tag purchased.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	550		
Efficient technology:			
Number of participants or units delivered for reporting year:	201		
Measure life (years):	6		
Number of Participants or units delivered life to date	381		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*18,510.87*	$34,911.84
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	10,050.00	$19,050.00
Total TRC costs:	$	10,050.00	$19,050.00
Net TRC (in year CDN $):	$	8,460.87	$15,861.84
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	1.84	1.83

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* / *Winter*

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*331650*	55275	628650	104775
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:	$ 2,211.00	$ 4,191.00
	Total:	$ 2,211.00	$ 4,191.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Other Programs - Recycling Program - Refrigerator

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

Newmarket Hydro customers are encouraged to retire old and inefficient appliances. Our customers are reimbursed for the full cost of an appliance pick-up tag purchased at the local Municipal office. A rebate of $11.00 is applied to their Newmarket Hydro account for each appliance pick-up tag purchased.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	1200		
Efficient technology:			
Number of participants or units delivered for reporting year:	309		
Measure life (years):	6		
Number of Participants or units delivered life to date	752		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	*132,840.59*	$321,101.33
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	27,810.00	$67,680.00
Total TRC costs:	$	27,810.00	$67,680.00
Net TRC (in year CDN $):	$	105,030.59	$253,421.33
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$	4.78	4.75

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

Cumulative Results:

Conservation Programs:

Demand savings (kW): *Summer* / *Winter*

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*2002320*	333720	4872960	812160
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:	$ 3,399.00	$ 8,272.00
	Total:	$ 3,399.00	$ 8,272.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** TOU Pilot

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

As part of our time-of-use pilot project, beginning in the summer of 2006, Newmarket Hydro has installed programmable thermostats 132 homes in Newmarket. The thermostats are highly sophisticated with the option of programming through the Internet as well a communication chip which allows Newmarket Hydro to cycle participants' air conditioners during provincial critical peak periods. Installations were completed in September 2006. Due to the late start we were unable to run a critical peak event during the cooling season of 2006. Results will be available in 2007.

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:	132		
Measure life (years):			
Number of Participants or units delivered life to date	132		

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ 24,527.77	$24,527.77
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)	$ 6,534.00	$6,534.00
Total TRC costs:	$ 6,534.00	$6,534.00
Net TRC (in year CDN $):	$ 17,993.77	$ 17,993.77
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	3.75	3.75

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	319.5126	319.5126
	Winter		

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*311829*	17324	311829	17324
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:	$ 118,812.00	$ 118,812.00
	Incentive:		
	Total:	$ 118,812.00	$ 118,812.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Small Business < 50 kW

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

Newmarket Hydro is evaluating some new technology that maximizes the use of off-peak electricity by air conditioners during the cooling season.

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			

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

[1] *TRC Benefits ($):*

[2] *TRC Costs ($):*

Utility program cost (excluding incentives):

Incremental 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) **Cumulative Results:**

Conservation Programs:

Demand savings (kW): *Summer*

Winter

	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 (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 ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:		
	Total:		
Utility indirect costs ($):	*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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Business/Commercial/Industrial > 50 kW

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

Newmarket Hydro was working with Ecosystem, an independent energy management company. Ecosystem provides an analysis of buiding mechanical systems and energy consumption to test for project feasibility at no cost to the customer. Newmarket Hydro provides incentives for subsequent energy-effiency upgrades for all of its >50kW customers.

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:	2		
Measure life (years):			
Number of Participants or units delivered life to date	32		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	131,114.76	$131,114.76
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	44,934.75	$44,934.75
Total TRC costs:	$	44,934.75	$44,934.75
Net TRC (in year CDN $):	$	86,180.01	$84,180.01
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	2.92		2.92

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*	359.478	359.478
	Winter		

	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	1677521	335504	1677521	335504
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
Utility direct costs ($):	*Incremental capital:*		
	Incremental O&M:		$ 3,268.03
	Incentive:	$ 10,110.40	
	Total:	$ 10,110.40	$ 13,378.43
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Affordable/Social Housing - Electric Thermal Storage Pilot

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

Newmarket Hydro is coordinating a pilot project in two electrically-heated social housing complexes in Newmarket. Six units in each complex received an energy audit and will be receiving energy efficiency upgrades such as compact fluorescent lights and weatherstripping. In order to test the efficiency of electric thermal storage, three of the six units in each complex will receive an electric thermal storage unit in supplement to baseboard heating. Results will be available in 2007.

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:	12		
Measure life (years):			
Number of Participants or units delivered life to date	12		

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*		
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental 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)

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*			
	Winter			
	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 (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:*		
	Incremental O&M:	$ 10,384.09	$ 10,384.09
	Incentive:		
	Total:	$ 10,384.09	$ 10,384.09
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Other Programs - Administrative Support

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

Administrative support to coordinate and maintain all conservation and demand management programs. Also to provide customer support in conservation matters.

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			

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*		
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental 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)

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*			
	Winter			
	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 (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:*		
	Incremental O&M:	$ 34,010.09	$ 41,778.09
	Incentive:		
	Total:	$ 34,010.09	$ 41,778.09
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Program Development & Monitoring

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

Independent support to design, implement and maintain CDM programs as well as ongoing education programs. Project management includes research, coordination and development of all programs as well as monitoring and evaluation of results.

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			

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*		
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental 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)

Cumulative Results:

Conservation Programs:

Demand savings (kW):	*Summer*			
	Winter			
	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 (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:*		
	Incremental O&M:		$ 117,600.00
	Incentive:		
	Total:		$ 117,600.00
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

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

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

Newmarket Hydro has is targeting all customer groups through print ads, direct mailing, workshops, and tradeshows. The Newmarket Home Show held in the Spring was an opportunity to create conservation awareness.

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:	26675		
Measure life (years):			
Number of Participants or units delivered life to date	55527		

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*		
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental 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)

Conservation Programs:

			Cumulative Results:	
Demand savings (kW):	*Summer*			
	Winter			
	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 (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 ($):	*Incremental capital:*		
	Incremental O&M:	-$ 582.00	$ 55,418.00
	Incentive:		
	Total:	-$ 582.00	$ 104,836.33
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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Distribution System & Equipment Optimization

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

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			

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*		
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental 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)

Conservation Programs:

			Cumulative Results:	
Demand savings (kW):	*Summer*			
	Winter			
	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 (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 ($):	*Incremental capital:*		
	Incremental O&M:		
	Incentive:		
	Total:		
Utility indirect costs ($):	*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 to a third party service provider to run and incentives program are program costs, and are to be as TRC costs under the "Utility Program Costs" line.

Appendix C - Program and Portfolio Totals

Report Year:

1. Residential Programs

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

	TRC Benefits (PV)	TRC Costs (PV)	$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures ($)
Energy Gateway Pilot Project			$ -	0.00				$ -
CFL Discount	$ 13,882	$ 1,058	$ 12,824	13.12	55,248	220,994		$ 2,469
CFL Giveaway	$ 35,413	$ 2,700	$ 32,713	13.12	140,940	563,760		$ 10,400
Keep Cool (No Replacement)	$ 23,519	$ 7,250	$ 16,269	3.24	63,800	382,800	39	$ 15,276
Keep Cool (Energy Star Replacemen	$ 8,345	$ 3,110	$ 5,234	2.68	7,603	91,238	93	$ 10,184
Kill A Watt Electric Usage Monitor			$ -	0.00	430	430		$ 2,506
LED Christmas Light Exchange	$ 5,573	$ 627	$ 4,946	8.89	5,912	118,232		$ 3,838
Switch to Cold	$ 17,074	$ 4,125	$ 12,949	4.14	256,988	256,988	9	$ -
Energy Star Rebate - Dishwasher	$ 4,434	$ 7,020	-$ 2,586	0.63	7,020	91,260		$ 5,850
Energy Star Rebate - Refrigerator	$ 6,197	$ 6,111	$ 86	1.01	6,460	122,744	28	$ 9,700
Energy Star Rebate - Front-Loading C	$ 150,381	$ 46,260	$ 104,121	3.25	111,024	1,554,336	52	$ 25,700
Recycling Program - Dishwasher	$ 30,828	$ 15,550	$ 15,278	1.98	92,056	552,336		$ 3,421
Recycling Program - Clothes Dryer	$ 33,589	$ 10,950	$ 22,639	3.07	100,302	601,812		$ 2,409
Recycling Program - Freezer	$ 37,079	$ 10,350	$ 26,729	3.58	93,150	558,900		$ 1,265
Recycling Program - Range/Oven	$ 18,511	$ 10,050	$ 8,461	1.84	55,275	331,650		$ 2,211
Recycling Program - Refrigerator	$ 132,841	$ 27,810	$ 105,031	4.78	333,720	2,002,320		$ 3,399
Recycling Program - Clothes Washer	$ 32,610	$ 12,500	$ 20,110	2.61	97,375	584,250		$ 2,750
Time-of-Use Pilot Project	$ 24,528	$ 6,534	$ 17,994	3.75	17,324	311,829	320	$ 118,812
***Totals App. B - Residential**	$ 574,804	$ 172,006	$ 402,799	3.34	1,444,627	8,345,879	541	$ 223,866
Residential Indirect Costs not attributable to any specific program	→	$ 3,676						
Total Residential TRC Costs		$ 175,682						
***Totals TRC - Residential**	$ 574,804	$ 175,682	$ 399,123	3.27				

2. Commercial Programs

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

	TRC Benefits (PV)	TRC Costs (PV)	$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures ($)
Small Business <50 kW			$ -	0.00				$ -
B/C/I	$ 131,115	$ 44,935	$ 86,180	2.92	335,504	1,677,521	359	$ 10,110
***Totals App. B - Commercial**	$ 131,115	$ 44,935	$ 86,180	2.92	335,504	1,677,521	359	$ 10,110

Commercial Indirect Costs not attributable to any specific program	→			
Total TRC Costs		$ 44,935		
***Totals TRC - Commercial**	$ 131,115	$ 44,935	$ 86,180	2.92

3. Social Housing 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 ($)
Electric Thermal Storage Pilot			$ -	0.00				$ 10,384
***Totals App. B - Social Housing**	$ -	$ -	$ -	0.00	0	0	0	$ 10,384
Social Housing Indirect Costs not attributable to any specific program	→							
Total TRC Costs		$ -						
***Totals TRC - Social Housing**	$ -	$ -	$ -	0.00				

4. Program Development & Administration 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 ($)
Administrative Support			$ -	0.00				$ 34,010
Program Development & Monitoring			$ -	0.00				$ -
***Totals App. B - Program Developn**	$ -	$ -	$ -	0.00	0	0	0	$ 34,010
Program Development & Administration Indirect Costs not attributable to any specific program	→							
Total TRC Costs		$ -						
***Totals TRC - Program Developme**	$ -	$ -	$ -	0.00				

5. Education Programs

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

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

	TRC Benefits (PV)	TRC Costs (PV)	$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures ($)
Education Program			$ -	0.00				$ 582

***Totals App. B - Education**	$ -	$ -	$ -	0.00	0	0	0	-$ 582
Education Indirect Costs not attributable to any specific program	→							
Total TRC Costs		$ -						
****Totals TRC - Education**	$ -	$ -	$ -	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 ($)
Distribution System & Equipment Optimization			$ -	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
Report Year Gross C&DM Expenditures ($) →

#REF!

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				

#REF!	$ -	$ -	$ -	0.00	0	0	0	$ -
#REF!								
Total TRC Costs		$ -						
#REF!	$ -	$ -	$ -	0.00				

#REF!

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				
#REF!	$ -	$ -	$ -	0.00	0	0	0	$ -
#REF!	→							
Total TRC Costs		$ -						
#REF!	$ -	$ -	$ -	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**	$ 705,919	$ 220,617	$ 485,303	3.20	$ 1,780,131	$ 10,023,400	$ 900	$ 277,789
*Any **other** Indirect Costs not attributable to any specific program*	→							
TOTAL ALL LDC COSTS		$ 220,617						
****LDC' PORTFOLIO TRC**	$ 705,919	$ 220,617	$ 485,303	3.20				

* 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.