Line Loss Reduction Programs:

	lifecycle	in year
Peak load savings (kW):		
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:	$ 1,100.00	$ 4,147.00
	Total:	$ 1,100.00	$ 4,147.00
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 benefit specified in the TRC Guide.

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Residential - Recycling Program - Ranges/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:	0		
Number of participants or units delivered for reporting year:	0		
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 ($):*		34911.84
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)		19050.00
Total TRC costs:		19050.00
Net TRC (in year CDN $):		15861.84
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		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):			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:		$ 4,191.00
	Total:		$ 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 benefit specified in the TRC Guide.

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Residential - Recycling Program - Refrigerators

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:	0		
Number of participants or units delivered for reporting year:	256		
Measure life (years):	6		
Number of Participants or units delivered life to date	1008		

B. TRC Results:

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ 110,030.32	431131.65
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)	$ 23,040.00	90720.00
Total TRC costs:	$ 23,040.00	90720.00
Net TRC (in year CDN $):	$ 86,990.32	340411.65
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	4.78	4.75

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

Conservation Programs:

	Summer	Winter		Cumulative Lifecycle	Cumulative Annual Savings
	lifecycle		in year		
Demand savings (kW):					
Energy saved (kWh):	1658631		276439	6531591	1088599
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:	$ 2,816.00	$ 11,088.00
	Total:	$ 2,816.00	$ 11,088.00
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 benefit specified in the TRC Guide.

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Residential - TOU Pilot Programmable Thermostats

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 in 132 homes in Newmarket. There are still 121 participants involved. The thermostats are highly sophisticated with the option of programming through the internet as well as a communication chip which allows Newmarket Hydro to cycle participants' air conditioners during provincial critical peak periods. Installations were completed in September 2006. Two demand response events were scheduled in the summer of 2007. One yielded at .48kW / customer reduction and the second yielded a .23kW / customer reduction. Full details are provided in a Navigant Consulting Report to Newmarket Hydro dated February 11, 2008.

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:	121		
Measure life (years):			
Number of Participants or units delivered life to date	121		

B. TRC Results:

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*		24527.77
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)		6534.00
Total TRC costs:		6534.00
Net TRC (in year CDN $):		17993.77
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		3.75

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

			Cumulative Results:	
Conservation Programs:				
Demand savings (kW):	*Summer*			319.5
	Winter			
	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):			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):		85.91		85.91
Peak hours dispatched in year (hours):		5		5
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:	$ 22,446.00	$ 141,258.00
	Incentive:		
	Total:	$ 22,446.00	$ 141,258.00
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 benefit specified in the TRC Guide.

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** Affordable/Social Housing - Overall

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

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:	$ 368,742.00	$ 385,116.25
	Incentive:		
	Total:		
Utility indirect costs ($):	*Incremental capital:*		
	Incremental O&M:		
	Total:		

E. Assumptions & Comments:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on this overall program description. Individual program items do not have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Affordable/Social Housing - Clothes Washer

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	779		
Efficient technology:	701		
Number of participants or units delivered for reporting year:	20		
Measure life (years):	14		
Number of Participants or units delivered life to date	20		

B. TRC Results:

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	963.48	963.48
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	1,800.00	1,800.00
Total TRC costs:	$	1,800.00	1,800.00
Net TRC (in year CDN $):	-$	836.52	-836.52
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		0.54	0.54

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

				Cumulative Results:	
Conservation Programs:					
Demand savings (kW):		*Summer*	0.76		0.76
		Winter			
	lifecycle		*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	19631		1402	19631	1402
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:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on the "Overall" program description. Individual program items do no have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Affordable/Social Housing - Weather Stripping

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	18103		
Efficient technology:	17740		
Number of participants or units delivered for reporting year:	139		
Measure life (years):	25		
Number of Participants or units delivered life to date	139		

B. TRC Results:

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ 57,959.11	57959.11
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)	$ 3,753.00	3,753.00
Total TRC costs:	$ 3,753.00	3,753.00
Net TRC (in year CDN $):	$ 54,206.11	54206.11
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	15.44	15.44

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

Conservation Programs:

Demand savings (kW):	*Summer* / *Winter* *lifecycle*	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	1358811	67941	1358811	67941
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:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on the "Overall" program description. Individual program items do no have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Affordable/Social Housing - Caulking

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	18103		
Efficient technology:	17740		
Number of participants or units delivered for reporting year:	91		
Measure life (years):	25		
Number of Participants or units delivered life to date	91		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	25,296.30	25296.3
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	8,190.00	8,190.00
Total TRC costs:	$	8,190.00	8,190.00
Net TRC (in year CDN $):	$	17,106.30	17106.3
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		3.09	3.09

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

Conservation Programs:

	Summer / Winter lifecycle	in year	Cumulative Lifecycle	Cumulative Annual Savings
Demand savings (kW):				
Energy saved (kWh):	593054	29653	593054	29653
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:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on the "Overall" program description. Individual program items do no have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

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

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	18103		
Efficient technology:	16292		
Number of participants or units delivered for reporting year:	10		
Measure life (years):	18		
Number of Participants or units delivered life to date	10		

B. TRC Results:

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	23,025.93	23025.93
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	30,000.00	30,000.00
Total TRC costs:	$	30,000.00	30,000.00
Net TRC (in year CDN $):	-$	6,974.07	-6974.07
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		0.77	0.77

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

Cumulative Results:

Conservation Programs:

	Summer lifecycle	Winter lifecycle	in year	Cumulative Lifecycle	Cumulative Annual Savings
Demand savings (kW):					
Energy saved (kWh):	325854		18103	325854	18103
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:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on the "Overall" program description. Individual program items do no have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Affordable/Social Housing - Refrigerator Replacement

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

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:	72		
Measure life (years):	19		
Number of Participants or units delivered life to date	72		

B. **TRC Results:**

		Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$	4,599.87	4599.87
[2] *TRC Costs ($):*			
Utility program cost (excluding incentives):			
Incremental Measure Costs (Equipment Costs)	$	4,536.00	4,536.00
Total TRC costs:	$	4,536.00	4,536.00
Net TRC (in year CDN $):	$	63.87	63.87
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		1.01	1.01

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

				Cumulative Results:	
Conservation Programs:					
Demand savings (kW):		*Summer*	20.93		20.93
		Winter			
	lifecycle		*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	91109		4795	91109	4795
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:

	lifecycle	in year
Peak load savings (kW):		
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:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on the "Overall" program description. Individual program items do no have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Affordable/Social Housing - Hot Water Heater Replacement

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	5000		
Efficient technology:	4730		
Number of participants or units delivered for reporting year:	77		
Measure life (years):	6		
Number of Participants or units delivered life to date	77		

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ 7,001.17	7001.17
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)	$ 1,828.75	1,828.75
Total TRC costs:	$ 1,828.75	1,828.75
Net TRC (in year CDN $):	$ 5,172.42	5172.42
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	3.83	3.83

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

Cumulative Results:

Conservation Programs:

Demand savings (kW):		*Summer*	8.34		8.34
		Winter			
	lifecycle		*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	*118503*		19751	118503	19751
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:

	lifecycle	in year
Peak load savings (kW):		
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:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on the "Overall" program description. Individual program items do no have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Affordable/Social Housing - CFLs

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	139		
Efficient technology:	35		
Number of participants or units delivered for reporting year:	1000		
Measure life (years):	4		
Number of Participants or units delivered life to date	1000		

B. **TRC Results:**

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ 23,608.93	23608.93
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)	$ 1,800.00	1,800.00
Total TRC costs:	$ 1,800.00	1,800.00
Net TRC (in year CDN $):	$ 21,808.93	21808.93
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	13.12	13.12

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):	375840		93960	375840	93960
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:

	lifecycle	in year
Peak load savings (kW):		
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:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on the "Overall" program description. Individual program items do no have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Affordable/Social Housing - Door Replacement

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

Newmarket Hydro was involved with five electrically heated social housing complexes in Newmarket. The units received energy audits, hot water heater upgrade, electric thermal storage heaters, door upgrades, caulking, Energy Star refrigerators, CFLs, weather stripping, Energy Star washers, and/or timers.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	18103		
Efficient technology:	17559		
Number of participants or units delivered for reporting year:	112		
Measure life (years):	25		
Number of Participants or units delivered life to date	112		

B. TRC Results:

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ 46,700.87	46700.87
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)	$ 33,768.00	33,768.00
Total TRC costs:	$ 33,768.00	33,768.00
Net TRC (in year CDN $):	$ 12,932.87	12932.87
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	1.38	1.38

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

Conservation Programs:

Demand savings (kW):

	Summer lifecycle	Winter in year	Cumulative Lifecycle	Cumulative Annual Savings
Energy saved (kWh):	1094869	54743	1094869	54743
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:

	lifecycle	in year
Peak load savings (kW):		
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:

The cost breakdown for individual energy upgrades was not always possible. The total costs for all Social Housing work is shown on the "Overall" program description. Individual program items do no have costing or incentives detailed, but do show measures and TRC results.

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

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

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

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

Newmarket Hydro was working with Ecosystem, an independent energy management company. Ecosystemprovides an analysis of building mechanical systems and energy consumption to test for project feasibility at no cost to the customer. Newmarket Hydro provides incentives for subsequent energy-efficient upgrades. Two projects were completed in 2007: a lighting retrofit and manufacturing process humidifier replacement.

Measure(s):

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:	2724	6540	
Efficient technology:	2232	2721	
Number of participants or units delivered for reporting year:	254	91	1
Measure life (years):	3	3	15
Number of Participants or units delivered life to date	254	91	1

B. TRC Results:

	Reporting Year	Life-to-date TRC Results:
[1] *TRC Benefits ($):*	$ 81,584.57	212,699.33
[2] *TRC Costs ($):*		
Utility program cost (excluding incentives):		
Incremental Measure Costs (Equipment Costs)	$ 41,398.06	86,332.81
Total TRC costs:	$ 41,398.06	86,332.81
Net TRC (in year CDN $):	$ 40,186.51	126,366.52
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	$ 1.97	2.46

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

			Cumulative Results:	
Conservation Programs:				
Demand savings (kW):	*Summer*	141		500
	Winter			
	lifecycle	*in year*	*Cumulative Lifecycle*	Cumulative Annual Savings
Energy saved (kWh):	10805352	999036	12482873	1334540
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:	$ 66,508.00	$ 76,618.40
	Total:	$ 66,508.00	$ 79,886.43
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 benefit specified in the TRC Guide.

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Education Program

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

Newmarket Hydro is targeting all customer classes through print ads, direct mailing, workshops and tradeshows. The Newmarket Home Show in the Sping of 2006 and 2007 were opportunities to create conservation awareness. A poster contest for elementary school students created great awarenes and received alot of attention.

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:	27000		
Measure life (years):			
Number of Participants or units delivered life to date	82527		

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:

	lifecycle	in year
Peak load savings (kW):		
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:	$ 28,774.67	$ 133,611.00
	Incentive:		
	Total:	$ 28,774.67	$ 133,611.00
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 benefit specified in the TRC Guide.

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** System Optimization and Analysis Project

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

Newmarket Hydro performed a distribution optimization study to determine where savings can be realized to reduce line and system losses. Study results should lead to the most cost effective way to operate the distribution system in order to reduce the amount of electricity wasted. The final analysis indicated that the system is currently operating efficiently. No operational changes were made.

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:	$ 32,400.00	$ 32,400.00
	Incentive:		
	Total:	$ 32,400.00	$ 32,400.00
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 benefit specified in the TRC Guide.

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

Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: Program Development and 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, co-ordination 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:

	lifecycle	in year
Peak load savings (kW):		
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:	$ 24,176.08	$ 141,776.08
	Incentive:		
	Total:	$ 24,176.08	$ 141,776.08
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 benefit specified in the TRC Guide.

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

Appendix B - Discussion of the Program

(complete this 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 co-ordinate 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:	
			Cumulative Lifecycle	Cumulative Annual Savings
Conservation Programs:				
Demand savings (kW):	*Summer*			
	Winter			
	lifecycle	*in year*		
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:

	lifecycle	in year
Peak load savings (kW):		
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:	$ 55,194.98	$ 96,973.07
	Incentive:		
	Total:	$ 55,194.98	$ 96,973.07
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 benefit specified in the TRC Guide.

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

Appendix 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.

Tay Hydro	[5] Cumulative Totals Life-to-date	Total for 2007	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System	[4] Smart Meters	CDM Plan Development	Other #2
Net TRC value ($):	17,103	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -	$ -
Benefit to cost ratio:	7.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00
Number of participants or units delivered:	265										
Lifecycle (kWh) Savings:	287,481	0	0	0	0	0	0	0		0	0
Report Year Total kWh saved (kWh):	34,248	0	0	0	0	0	0	0		0	0
Total peak demand saved (kW):	159	0	0	0	0	0	0	0		0	0
Total kWh saved as a percentage of total kWh delivered (%):	0.04										
Peak kW saved as a percentage of LDC peak kW load (%):											
[1] *Report Year Gross C&DM expenditures ($):*	45,900	$ 4,092	$ 724	$ -	$ -	$ -	$ -	$ 2,468	$ -	$ 900	$ -
[2] *Expenditures per KWh saved ($/kWh):*	1.34	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -	$ -
[3] *Expenditures per KW saved ($/kW):*	288.68	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -	$ -

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

Appendix C - Program and Portfolio Totals

Report Year: 2007 - Tay Hydro

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 ($)
School Conservation & Safety Promotion			$ -	0.00				$ 38
Education & Promotion - Overall			$ -	0.00				$ 686
Baseboard Programmable Thermostats			$ -	0.00				
Dimmer Switch			$ -	0.00				
15w CFL Indoor Lights			$ -	0.00				
A/C Programmable Thermostats			$ -	0.00				
Motion Detector			$ -	0.00				
LED 5w Christmas Lights			$ -	0.00				
Name of Program I			$ -	0.00				
Name of Program J			$ -	0.00				
***Totals App. B - Residential**	$ -	$ -	$ -	0.00	0	0	0	$ 724
Residential Indirect Costs not attributable to any specific program	→							
Total Residential TRC Costs		$ -						
****Totals TRC - Residential**	$ -	$ -	$ -	0.00				

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 ($)
Name of Program A			$ -	0.00				
Name of Program B			$ -	0.00				
Name of Program C			$ -	0.00				
Name of Program D			$ -	0.00				
Name of Program E			$ -	0.00				
Name of Program F			$ -	0.00				
Name of Program G			$ -	0.00				
Name of Program H			$ -	0.00				
Name of Program I			$ -	0.00				
Name of Program J			$ -	0.00				
***Totals App. B - Commercial**	$ -	$ -	$ -	0.00	0	0	0	$ -
Commercial Indirect Costs not attributable to any specific program	→							

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

3. Institutional Programs

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

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

4. Industrial Programs

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

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

Industrial Indirect Costs not attributable to any specific program	→			
Total TRC Costs		$ -		
****Totals TRC - Industrial**	$ -	$ -	$ -	0.00

5. Agricultural Programs

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

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

6. LDC System Programs

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

	TRC Benefits (PV)	TRC Costs (PV)	$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures ($)
System Optimization			$ -	0.00				$ 2,468
Name of Program B			$ -	0.00				

Name of Program C			$ -	0.00				
Name of Program D			$ -	0.00				
Name of Program E			$ -	0.00				
Name of Program F			$ -	0.00				
Name of Program G			$ -	0.00				
Name of Program H			$ -	0.00				
Name of Program I			$ -	0.00				
Name of Program C			$ -	0.00				
**Totals App. B - LDC System	$ -	$ -	$ -	0.00	0	0	0	$ 2,468
LDC System Indirect Costs not attributable to any specific program →								
Total TRC Costs		$ -						
**Totals TRC - LDC System	$ -	$ -	$ -	0.00				

7. Smart Meters Program

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

Report Year Gross C&DM Expenditures ($) →

8. CDM Plan Development 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 ($)
Plan Research, Design & Development			$ -	0.00				$ 900
Name of Program B			$ -	0.00				
Name of Program C			$ -	0.00				
Name of Program D			$ -	0.00				
Name of Program E			$ -	0.00				
Name of Program F			$ -	0.00				
Name of Program G			$ -	0.00				
Name of Program H			$ -	0.00				
Name of Program I			$ -	0.00				
Name of Program J			$ -	0.00				
**Totals App. B - CDM Plan Develop	$ -	$ -	$ -	0.00	0	0	0	$ 900
CDM Plan Development Indirect Costs not attributable to any specific prooram →								
Total TRC Costs		$ -						
**Totals TRC - CDM Plan Developm	$ -	$ -	$ -	0.00				

9. Other #2 Programs

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

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

LDC's CDM PORTFOLIO TOTALS

	TRC Benefits (PV)	TRC Costs (PV)	$ Net TRC Benefits	Benefit/Cost Ratio	Report Year Total kWh Saved	Lifecycle (kWh) Savings	Total Peak Demand (kW) Saved	Report Year Gross C&DM Expenditures ($)
**TOTALS FOR ALL APPENDIX B	$ -	$ -	$ -	0.00	$ -	$ -	$ -	$ 4,092
*Any **other** Indirect Costs not attributable to any specific program*	→							
TOTAL ALL LDC COSTS		$ -						
****LDC' PORTFOLIO TRC**	$ -	$ -	$ -	0.00				

* 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.