

## 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.

	Total for 2008	Residential	<sup>5</sup> Low Income	Commercial	Institutional	Industrial	Agricultural	LDC System	<sup>4</sup> Smart Meters	Other #1	Other #2
<i>Net TRC value (\$):</i>	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
<i>Benefit to cost ratio:</i>	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00
<i>Number of participants or units delivered:</i>											
<i>Lifecycle (kWh) Savings:</i>	887,092	764,532	0	113,140	9,420	0	0	0		0	0
<i>Report Year Total kWh saved (kWh):</i>	221,773	191,133	0	28,285	2,355	0	0	0		0	0
<i>Total peak demand saved (kW):</i>	48	41	0	6	1	0	0	0		0	0
<i>Total kWh saved as a percentage of total kWh delivered (%):</i>		\$0	\$0	\$0							
<i>Peak kW saved as a percentage of LDC peak kW load (%):</i>	\$0	\$0	\$0	\$0	\$0						
<sup>1</sup> <i>Report Year Gross C&amp;DM expenditures (\$):</i>	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<sup>2</sup> <i>Expenditures per kWh saved (\$/kWh):</i>	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
<sup>3</sup> <i>Expenditures per kW saved (\$/kW):</i>	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
<i>Utility discount rate (%):</i>											

<sup>1</sup> Expenditures are reported on accrual basis.

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

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

<sup>4</sup> 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.



# Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. Name of the Program: COMPACT FLUORESCENT LIGHT GIVE-AWAY

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

All Hydro 2000 customers received a hand delivered publicity bag containing tips how to save energy and 2 CFL lights. CFL light of 13 watts each to replace 60 & 100 watts regular bulb. The cost of the project was \$8,721.60 in 2005-06-14 chq #2129

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:	0		
Measure life (years):	4		
Number of Participants or units delivered life to date	2360		

B. TRC Results:	Reporting Year	TRC Results:
<sup>1</sup> TRC Benefits (\$):		54066.58
<sup>2</sup> TRC Costs (\$):		
Utility program cost (excluding incentives):		8191
Incremental Measure Costs (Equipment Costs)		4248
Total TRC costs:		12439
<u>Net TRC (in year CDN \$):</u>		
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		41627.58

C. Results: (one or more category may apply)	Cumulative Results:	
<b>Conservation Programs:</b>		
Demand savings (kW):	Summer	
	Winter	48
	lifecycle	in year
Energy saved (kWh):	886984	221746
Other resources saved :		
Natural Gas (m3):		
Other (specify):		
<b>Demand Management Programs:</b>		
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):		
<b>Demand Response Programs:</b>		
Dispatchable load (kW):		
Peak hours dispatched in year (hours):		
<b>Power Factor Correction Programs:</b>		
Amount of KVar installed (KVar):		
Distribution system power factor at beginning of year (%):		
Distribution system power factor at end of year (%):		

**Line Loss Reduction Programs:**

Peak load savings (kW):			
	<i>lifecycle</i>	<i>in year</i>	
Energy 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):		
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<b><u>D. Actual Program Costs:</u></b>		<b><u>Reporting Year</u></b>	<b><u>Cumulative Life to Date</u></b>
Utility direct costs (\$):	Incremental capital:		
	Incremental O&M:		
	Incentive:		
	Total:		
Utility indirect costs (\$):	Incremental capital:		
	Incremental O&M:		
	Incentive:		
	Total:		

**E. Assumptions & Comments:**

<sup>1</sup> 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.

<sup>2</sup> 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:** Line Loss Study

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

Hydro 2000 Inc. did a line loss study of its distribution system. The intent was to reduce the line loss. After reading the conclusion of the report only two minimal changes will have to be perform. The total annual save would be 6130kWhs. The report confirm that Hydro 2000 distribution system is in reliable. Total cost for the study was \$15,686.20 in 2006/02/28 chq #2413.

**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:	0		
Measure life (years):	25		
Number of Participants or units delivered life to date	0		

B. <b>TRC Results:</b>	Reporting Year	TRC Results:
<sup>1</sup> TRC Benefits (\$):		15033.81
<sup>2</sup> TRC Costs (\$):		
Utility program cost (excluding incentives):		15033.81
Incremental Measure Costs (Equipment Costs)		0
Total TRC costs:		15033.81
<b>Net TRC (in year CDN \$):</b>		
Benefit to Cost Ratio (TRC Benefits/TRC Costs):		0

C. <b>Results:</b> (one or more category may apply)	<b>Cumulative Results:</b>	
<b>Conservation Programs:</b>		
Demand savings (kW):	Summer	
	Winter	0
	lifecycle	in year
Energy saved (kWh):	0	0
Other resources saved :		
Natural Gas (m3):		
Other (specify):		
<b>Demand Management Programs:</b>		
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):		
<b>Demand Response Programs:</b>		
Dispatchable load (kW):		
Peak hours dispatched in year (hours):		
<b>Power Factor Correction Programs:</b>		
Amount of KVar installed (KVar):		
Distribution system power factor at beginning of year (%):		
Distribution system power factor at end of year (%):		

**Line Loss Reduction Programs:**

Peak load savings (kW):			
	<i>lifecycle</i>	<i>in year</i>	
Energy 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):		
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<b><u>Actual Program Costs:</u></b>		<b><u>Reporting Year</u></b>	<b><u>Cumulative Life to Date</u></b>
Utility direct costs (\$):	<i>Incremental capital:</i>		
	<i>Incremental O&amp;M:</i>		
	<i>Incentive:</i>		
	<i>Total:</i>		
Utility indirect costs (\$):	<i>Incremental capital:</i>		
	<i>Incremental O&amp;M:</i>		
	<i>Total:</i>		

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**E. Assumptions & Comments:**

<sup>1</sup> 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

<sup>2</sup> For technologies which have not been deployed but for which the LDC has incurred costs, report only the TRC costs on a present value basis. Incentives (e.g. rebates) from the LDC to a customer are not a component of the TRC costs. However, payments made

# Appendix C - Program and Portfolio Totals

Report Year:

## 1. Residential Programs

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

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

	TRC Benefits (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 (\$)
<i>CFL give away</i>			\$ -	0.00	191,133	764,532	41	
<i>Name of Program B</i>			\$ -	0.00				
<i>Name of Program C</i>			\$ -	0.00				
<i>Name of Program D</i>			\$ -	0.00				
<i>Name of Program E</i>			\$ -	0.00				
<i>Name of Program F</i>			\$ -	0.00				
<i>Name of Program G</i>			\$ -	0.00				
<i>Name of Program H</i>			\$ -	0.00				
<i>Name of Program I</i>			\$ -	0.00				
<i>Name of Program J</i>			\$ -	0.00				
<b>*Totals App. B - Residential</b>	\$ -	\$ -	\$ -	0.00	191,133	764,532	41	\$ -
<i>Residential Indirect Costs not attributable to any specific program</i>	→							
<b>Total Residential TRC Costs</b>		\$ -						
<b>**Totals TRC - Residential</b>	\$ -	\$ -	\$ -	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 (\$)
<i>CFL give away</i>			\$ -	0.00	28,285	113,140	6	
<i>Name of Program B</i>			\$ -	0.00				
<i>Name of Program C</i>			\$ -	0.00				
<i>Name of Program D</i>			\$ -	0.00				
<i>Name of Program E</i>			\$ -	0.00				
<i>Name of Program F</i>			\$ -	0.00				
<i>Name of Program G</i>			\$ -	0.00				
<i>Name of Program H</i>			\$ -	0.00				
<i>Name of Program I</i>			\$ -	0.00				
<i>Name of Program J</i>			\$ -	0.00				
<b>*Totals App. B - Commercial</b>	\$ -	\$ -	\$ -	0.00	28,285	113,140	6	\$ -

Commercial Indirect Costs not attributable to any specific program



<b>Total TRC Costs</b>		\$	-			
<b>**Totals TRC - Commercial</b>	\$	-	\$	-	\$	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 (\$)
<i>CFL give away</i>			\$ -	0.00	2,355	9,420	1	
<i>Name of Program B</i>			\$ -	0.00				
<i>Name of Program C</i>			\$ -	0.00				
<i>Name of Program D</i>			\$ -	0.00				
<i>Name of Program E</i>			\$ -	0.00				
<i>Name of Program C</i>			\$ -	0.00				
<i>Name of Program G</i>			\$ -	0.00				
<i>Name of Program H</i>			\$ -	0.00				
<i>Name of Program I</i>			\$ -	0.00				
<i>Name of Program J</i>			\$ -	0.00				
<b>*Totals App. B - Institutional</b>	\$ -	\$ -	\$ -	0.00	2,355	9,420	1	\$ -

Institutional Indirect Costs not attributable to any specific program



<b>Total TRC Costs</b>		\$	-			
<b>**Totals TRC - Institutional</b>	\$	-	\$	-	\$	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 (\$)
<i>Name of Program A</i>			\$ -	0.00				
<i>Name of Program C</i>			\$ -	0.00				
<i>Name of Program C</i>			\$ -	0.00				
<i>Name of Program D</i>			\$ -	0.00				
<i>Name of Program E</i>			\$ -	0.00				
<i>Name of Program F</i>			\$ -	0.00				
<i>Name of Program G</i>			\$ -	0.00				
<i>Name of Program H</i>			\$ -	0.00				



Name of Program I			\$	-	0.00				
Name of Program J			\$	-	0.00				
<b>*Totals App. B - Industrial</b>	\$	-	\$	-	0.00	0	0	0	\$ -
Industrial Indirect Costs not attributable to any specific program	→								
<b>Total TRC Costs</b>		\$	-						
<b>**Totals TRC - Industrial</b>	\$	-	\$	-	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				
<b>*Totals App. B - Agricultural</b>	\$	-	\$	-	0	0	0	\$ -
Agricultural Indirect Costs not attributable to any specific program	→							
<b>Total TRC Costs</b>		\$	-					
<b>**Totals TRC - Agricultural</b>	\$	-	\$	-	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 (\$)
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 C			\$	-	0.00				
<b>*Totals App. B - LDC System</b>	\$	-	\$	-	0.00	0	0	0	\$ -

LDC System Indirect Costs not attributable to any specific program →

<b>Total TRC Costs</b>		\$	-						
<b>**Totals TRC - LDC System</b>	\$	-	\$	-	0.00				

## 7. Smart Meters Program

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

Report Year Gross C&DM Expenditures (\$) →

## 8. Other #1 Programs

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

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

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


Other #1 Indirect Costs not attributable to any specific program →

<b>Total TRC Costs</b>		\$	-					
<b>**Totals TRC - Other #1</b>	\$	-	\$	-	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				
<b>*Totals App. B - Other #2</b>	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
<i>Other #2 Indirect Costs not attributable to any specific program</i>								
<b>Total TRC Costs</b>		\$ -						
<b>**Totals TRC - Other #2</b>	\$ -	\$ -	\$ -	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 (\$)
<b>*TOTALS FOR ALL APPENDIX B</b>	\$ -	\$ -	\$ -	0.00	\$ 221,773	\$ 887,092	\$ 48	\$ -
<i>Any other Indirect Costs not attributable to any specific program</i>								
<b>TOTAL ALL LDC COSTS</b>		\$ -						
<b>**LDC' PORTFOLIO TRC</b>	\$ -	\$ -	\$ -	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.

## Appendix D - Total Life Evaluation of the CDM Plan

Table is to be completed manually by totalling the information from each year of activity

	<sup>5</sup> Cumulative Totals Life-to-date	Residential	<sup>6</sup> Low Income	Commercial	Institutional	Industrial	Agricultural	LDC System	<sup>4</sup> Smart Meters
<i>Net TRC value (\$):</i>	\$ 41,627.58	\$ 35,876.34	\$ -	\$ 5,309.19	\$ 442.04	\$	\$	\$	
<i>Benefit to cost ratio:</i>	\$ 41,627.58	\$ 35,876.34		\$ 5,309.19	\$ 442.04				
<i>Number of participants or units delivered:</i>	1180	1,017	-	150	13				
<i>Lifecycle (kWh) Savings:</i>	887092	764532	0	113140	9420				
<i>Total kWh saved (kWh):</i>	221773	191133	0	28285	2355				
<i>Total peak demand saved (kW):</i>	192	164	0	24	4				
<i>Total kWh saved as a percentage of total kWh delivered (%):</i>	0.84%	0.77%	0.00%	0.11%	0.01%				
<i>Peak kW saved as a percentage of LDC peak kW load (%):</i>	0.37%	0.31%	0.00%	0.05%	0.01%				
<sup>1</sup> <i>Gross C&amp;DM expenditures (\$):</i>	\$ 23,224.81	\$ 20,016.09	\$ -	\$ 2,962.10	\$ 246.62	\$	\$	\$	\$
<sup>2</sup> <i>Expenditures per kWh saved (\$/kWh):</i>	\$ 0.0262	\$ 0.0262		\$ 0.0262	\$ 0.0262	\$	\$	\$	
<sup>3</sup> <i>Expenditures per kW saved (\$/kW):</i>	\$ 120.96	\$ 122.05	\$	\$ 123.42	\$ 61.66	\$	\$	\$	
<i>Utility discount rate (%):</i>									

<sup>1</sup> Expenditures are reported on cumulative basis.

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

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

<sup>4</sup> Please report spending related to 3rd tranche of MARR funding only. TRC calculations are not required for Smart Meters. Actual expenditures for the total third tranche period need to be reported.

<sup>5</sup> Includes total for the reporting year, plus prior years, if any (for example, 2008 CDM Annual report for third tranche will include 2007, 2006, 2005 and 2004 numbers, if any).

<sup>6</sup> Includes totals from Low Income programs that fall under both commercial and residential.

Other #1	Other #2
\$	\$
\$	\$
\$	\$
\$	\$

