

## Appendix A - Evaluation of the CDM Plan

	Total	Residential	Commercial	Institutional	Industrial	Agricultural	LDC System	Other 1	Other 2	Other 3	Other 4
<i>Net TRC value (\$):</i>	\$ 39,032.77	\$33,644	\$4,974	\$415							
<i>Benefit to cost ratio:</i>	-1.67	-1.67	-1.67	-1.67							
<i>Number of participants or units delivered:</i>	2360	2034	301	25							
<i>Total kWh to be saved over the lifecycle of the plan (kWh):</i>	886984	764533	113032	9419							
<i>Total in year kWh saved (kWh):</i>	221746	191133	28258	2355							
<i>Total peak demand saved (kW):</i>	48	41	6	1							
<i>Total kWh saved as a percentage of total kWh delivered (%):</i>	0.0084	0.0073	0.0011	0.0001							
<i>Peak kW saved as a percentage of LDC peak kW load (%):</i>	0.0069	0.0059	0.0009	0.0001							
<i>Gross in year C&amp;DM expenditures (\$):</i>	-\$ 23,224.81	-\$20,019	-\$2,960	-\$247							
<i>Expenditures per kWh saved (\$/kWh)*:</i>	(0.026)	(0.026)	(0.026)	(0.026)							
<i>Expenditures per kW saved (\$/kW)**:</i>											
<i>Utility discount rate (%):</i>	7.25										

\*Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate energy savings.

\*\*Expenditures include all utility program costs (direct and indirect) for all programs which primarily generate capacity savings.

# Appendix B - Discussion of the Program

(complete this section 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 customers of Hydro 2000 inc. received a hand delivered publicity bag containing tips to save energy and 2 CFL lights. CFL light of 13 Watts each to replace a 60 watts regular bulb. The publicity bag intent was to educate the public on conservation tips and make them save energy with light bulbs. In the tips bags there was a full package of different type of information on energy star and tips to save.

**Measure(s):**

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:			
Efficient technology:			
Number of participants or units delivered:	2360		
Measure life (years):	4		

**B. TRC Results:**

TRC Benefits (\$):	\$	54,066.58
TRC Costs (\$):		
Utility program cost (less incentives):	-\$	8,191.00
Participant cost:	-\$	4,248.00
Total TRC costs:	-\$	12,439.00
<b>Net TRC (in year CDN \$):</b>	<b>\$</b>	<b>41,627.58</b>
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	-\$	4.35

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

**Conservation Programs:**

Demand savings (kW):	Summer	0
	Winter	48.0
	<i>lifecycle</i>	<i>in year</i>
Energy saved (kWh):	886,984.0	221,746.0
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):		
	<i>lifecycle</i>	<i>in year</i>
Energy savngs (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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D. **Program Costs\*:**

Utility direct costs (\$):	Incremental capital:	\$	-
	Incremental O&M:	\$	-
	Incentive:	\$	-
	Total:	\$	-
Utility indirect costs (\$):	Incremental capital:		0
	Incremental O&M:		0
	Total:		0
Participant costs (\$):	Incremental equipment:		0
	Incremental O&M:		0
	Total:		0

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E. **Comments:**

\*Please refer to the TRC Guide for the treatment of equipment cost in the TRC Test.

# Appendix B - Discussion of the Program

**(complete this section 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 it's 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 in rebalancing some phases. The total annual save would be 6130 kwhs. The report confirm that Hydro 2000 Inc. Distribution System is in top shape. The report also identifies the line loss is occuring outside of the boundaries of Hydro 2000 Inc. Hydro One Networks Share it's DS with Hydro 2000 Inc. If conductors for F2 & F3 in Alfred was replace for ACSR 3/0 AWG to 336kcmil form DS to limit of Village of Alfred the line loss would be reduced by 77080 kwhs. This is an expensive job and which belongs to HONI.

**Measure(s):**

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:			
Efficient technology:			
Number of participants or units delive			
Measure life (years):	25		

**B. TRC Results:**

TRC Benefits (\$):		-\$	15,033.81
TRC Costs (\$):			
	Utility program cost (less incentives):	-\$	15,033.81
	Participant cost:	\$	-
	Total TRC costs:	-\$	15,033.81
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Net TRC (in year CDN \$):			
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Benefit to Cost Ratio (TRC Benefits/TRC Costs):		\$	1.00

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

**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 begining 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 savngs (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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D. **Program Costs\*:**

Utility direct costs (\$):	Incremental capital:	\$	-
	Incremental O&M:	\$	-
	Incentive:	\$	-
	Total:	\$	-
Utility indirect costs (\$):	Incremental capital:		0
	Incremental O&M:		0
	Total:		0
Participant costs (\$):	Incremental equipment:		0
	Incremental O&M:		0
	Total:		0

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E. **Comments:**

\*Please refer to the TRC Guide for the treatment of equipment cost in the TRC Test.