

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>	\$ 25,449.12	\$22,744	\$2,505	\$18							
<i>Benefit to cost ratio:</i>	-1.34	-\$1.34	-\$1.34	-\$1.34							
<i>Number of participants or units delivered:</i>	1	0.89	0.10	0.01							
<i>Total kWh to be saved over the lifecycle of the plan (kWh):</i>	2742625	2,451,086	269,943	20,053							
<i>Total in year kWh saved (kWh):</i>	109705	98,043	10,798	802							
<i>Total peak demand saved (kW):</i>	950	849	94	7							
<i>Total kWh saved as a percentage of total kWh delivered (%):</i>	0.38%	0.34%	0.04%	0.00%							
<i>Peak kW saved as a percentage of LDC peak kW load (%):</i>	0.57%	0.51%	0.06%	0%							
<i>Gross in year C&DM expenditures (\$):</i>	-\$ 75,072.00	-\$67,092	-\$7,389	-\$549							
<i>Expenditures per kWh saved (\$/kWh)*:</i>	(0.68)	(0.68)	(0.68)	(0.68)							
<i>Expenditures per kW saved (\$/kW)**:</i>											
<i>Utility discount rate (%):</i>	7.63										

*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:** LINE LOST STUDY- OPTIMAZATION OF THE SYSTEM

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

STANTEC CONSULTING LTD HAS CONDUCT A STUDY INCLUDING LINE LOST STUDY AND OPTIMIZATION OF THE DISTRIBUTION SYSTEM OF COOPERATIVE HYDRO EMBRUN INC. IN MID-JULY 2005. THE STUDY RESULTS A SAVING OF 109,760 kWh PER YEAR AND REDUCTION OF 38 kW PEAK DEMAND YEARLY

Measure(s):

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

B. **TRC Results:**

TRC Benefits (\$):	\$ 100,521.12
TRC Costs (\$):	
Utility program cost (less incentives):	-\$ 75,072.00
Participant cost:	\$ -
Total TRC costs:	-\$ 75,072.00
Net TRC (in year CDN \$):	\$ 25,449.12
Benefit to Cost Ratio (TRC Benefits/TRC Costs):	-\$ 1.34

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):		38
	<i>lifecycle</i>	<i>in year</i>
Energy savngs (kWh):	2,742,625	109,705

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:	
	Incremental O&M:	
	Total:	
Participant costs (\$):	Incremental equipment:	
	Incremental O&M:	
	Total:	

E. Comments:

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