



Serving the Community of Renfrew

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2008 Annual Report, CDM Third Tranche Funding, Renfrew Hydro Inc.

1.0 Introduction

Renfrew Hydro Inc. had no third tranche expenditures on CDM activities in the year 2008. The third tranche expenditures were completed in 2007.

2.0 Evaluation of the CDM Plan

Renfrew Hydro Inc. has completed the Appendix D – Total Evaluation of the CDM Plan and includes it with this report. This Total Life Evaluation covers the year 2005 to 2007. The total life cycle savings are 3,878,261 kwh with a gross CDM expenditure of \$68,393. This is an expenditure of 1.7 cents per kwh saved.

3.0 Discussion of the Programs

There were no programs covered by third tranche funding in 2008.

4.0 Lessons Learned

The analysis of Renfrew Hydro Inc.'s 4160 volt distribution system showed the importance of modifying feeder arrangements to utilize the full benefits of distributed generation. The water powered distributed generation has less output in the summer period because of low flows and the study showed it would be beneficial to modify feeder arrangements during this time.

The appliance rebate program was successful as well as the hand out of compact fluorescents to the consumer at the Annual Spring Home Show. We feel that we achieve better contact with the customer at public events and will continue to use Home shows and the Fall Fair to promote energy conservation and the smart meter initiative.

The web presentment of data and pricing for our interval customers has been well received. We will extend this web presentment to our other customers.



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Continued

5.0 Conclusion

During the life of the CDM program we have promoted its components to our customers through mail outs, public events, local retailers, and personal contacts with large users and local associations like the Business Improvement Association. This has increased awareness and shifted attitudes toward energy conservation. We believe we can build on this awareness to promote the advantages of smart meters to our customers.

The distribution system study certainly reinforced the importance of having the distributed generation located in proximity to the major loads in town to minimize line losses. This information will help in the next development of a Smart Grid.

The availability of third tranche funding was an important first step that allowed Renfrew Hydro Inc. to reach out to its customers for the promotion of energy conservation. This has given us valuable experience that will allow our program to grow under the auspices of the Green Energy Act.

Appendix D - Total Life Evaluation of the CDM Plan

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

	⁵ Cumulative Totals Life-to-date	Residential	⁶ Low Income	Commercial	Institutional	Industrial	Agricultural	LDC System	⁴ Smart Meters	Other #1	Other #2
Net TRC value (\$):	55498	\$ 29,438.00	\$	\$	\$	\$	\$	\$ 29,303.00		\$	\$
Benefit to cost ratio:	1.66	1.95						1.51			
Number of participants or units delivered:	8989	8,988						1			
Lifecycle (kWh) Savings:	3878261	1487876						2390385			
Total kWh saved (kWh):	258311	162696						95615			
Total peak demand saved (kW):	40	35						5			
Total kWh saved as a percentage of total kWh delivered (%):	0.2400%	0.1500%						0.0900%			
Peak kW saved as a percentage of LDC peak kW load (%):	0.2000%	0.1800%						0.0250%			
¹ Gross C&DM expenditures (\$):	68,393.00	\$ 34,259.00	\$	\$	\$	\$	\$	\$ 14,949.00	\$ 7,500.00	\$	\$
² Expenditures per kWh saved (\$/kWh):	0.02	\$ 0.02	\$	\$	\$	\$	\$	\$ 0.01	\$	\$	
³ Expenditures per kW saved (\$/kW):	1702.75	\$ 978.82	\$	\$	\$	\$	\$	\$ 2,989.80	\$	\$	

Interest rate (%): 8.13

¹ Expenditures are reported on cumulative 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. Actual expenditures for the total third tranche period need to be reported.

⁵ 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).

⁶ Includes totals from Low Income programs that fall under both commercial and residential.