



March 31, 2009

Ms. Kirsten Walli  
Board Secretary  
Ontario Energy Board  
26th Floor/ P.O. Box 2319  
2300 Yonge St.  
Toronto, ON M4P 1E4

**Re: 2008 Annual Report, CDM Third Tranche Funding, Halton Hills Hydro Inc.**

Dear Ms. Walli:

Please find enclosed three (3) hard copies and one electronic copy of Halton Hills Hydro Inc.'s 2008 Annual Report for CDM Third Tranche Funding.

Further, Halton Hills Hydro Inc. has emailed the Report and electronic Excel file to the Board Secretary on March 31, 2009.

Any questions or concerns can be directed towards, Tracy Rehberg-Rawlingson, Regulatory Affairs Officer, (519) 853-3700 extension 257, [tracyr@haltonhillshydro.com](mailto:tracyr@haltonhillshydro.com).

Yours truly,

Arthur A. Skidmore CMA  
Chief Operating Officer  
Halton Hills Hydro Inc.

Cc: Stewart Davidson, Chief Financial Officer



**2008 CDM Annual Report for  
Halton Hills Hydro Inc.**

**RP-2004-0203\EB-2005-0374**

**Submitted: March 30, 2009**



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## **1. Introduction**

Halton Hills Hydro Inc. (“HHHI”) developed a multi-pronged plan for CDM that expected energy savings from residential, commercial and industrial customer classes as well as from HHHI’s system operations. HHHI submitted the Demand Side Management Program on December 7, 2004. Education was given a priority in HHHI’s CDM plan in order to encourage and foster a conservation culture among customers.

With the majority of the customer base being historically residential, HHHI expected a significant impact to the utility as new commercial/industrial properties move into Halton Hills. Finding innovative solutions to the new demands that will be placed on HHHI’s distribution system will be the key.

The education of the cost effectiveness of various energy conservation and demand management initiatives will assist HHHI in achieving a goal of 5% reduction in energy usage.

All Third Tranche spending was concluded in 2007 and as such, there was no Third Tranche funding spent in 2008.

## **2. Evaluation of the CDM Plan**

The incremental CDM funds were projected to be required to supplement third tranche funding for existing CDM programs. However, with the implementation of several OPA programs during 2007 some of the intended programs switched to OPA program funding sources during the year. The required Appendices A, B, C and D have been completed showing expenditures and energy savings for 2008. These Appendices have been provided in Sections 6.1, 6.2, 6.3 and 6.4, respectively.

### **2.1. 2008 TRC Results at the Portfolio Level**

The required CDM results at the Portfolio level have been reported in Appendix A, attached as Section 6.1 to this report. Total 2008 CDM expenditures were \$0.00 with net TRC benefits of \$0.00 and a Benefit to Cost Ratio of 0.00.



### **3. Discussions of Programs**

An overview of HHHI's 2008 CDM initiatives has been provided below. The required summary of the TRC results by initiative can also be found in Sections 6.2, Appendix B – Discussion of the Program and 6.3, Appendix C – Program and Portfolio Totals. An overview of each initiative has been provided below.

#### **3.1. Residential**

##### **3.1.1. Water Heater Load Control**

###### **Overview**

The HHHI Water Heater Load Control (WHLC) program was implemented on new water heaters as well as replacement water heaters. Prior to 2007, the WHLC program had been funded through third tranche funding. In 2007, the WHLC was initially funded through rates. Once the Ontario Power Authority (OPA) peaksaver program began the WHLC program was discontinued. The WHLC program continued to prove successful as demonstrated by the positive TRC obtained for load control units.

###### **Description of Actions Taken**

No new Water Heater installations were performed in 2008 under third tranche CDM funding.

###### **2008 TRC Results**

There were no TRC Benefits associated with this initiative in 2008.

#### **3.2. Commercial**

##### **3.2.1. Commercial Industrial Audits**

###### **Overview**

HHHI applied for incremental CDM funding to expand the residential home energy audits provided in partnership with Elora Environmental to provide an incentive to customers to have their home assessed for energy savings opportunities. HHHI planned to provide an incentive of \$25 toward the cost of an energy audit. After receiving approval for funding for the extension of this program, the federal government



terminated the NRC funding assistance for home audits. The residential audit program could not succeed without this funding, therefore, HHHI was to use the incremental CDM funding during 2007 to expand commercial and industrial energy efficiency audits rather than residential audits.

### **Description of Actions Taken**

After completing one Commercial and Industrial Audit, the OPA introduced the ERIP program so further audits were completed using 3<sup>rd</sup> Tranche funding.

### **TRC Results**

There were no TRC Benefits associated with this initiative in 2008 and only the expenditures have been reported.

### **3.2.2. Load Shifting – ZEBRA Battery Pilot**

#### **Overview**

During 2006 and 2007, HHHI used third tranche CDM funds to investigate a new technology – the ZEBRA Battery pilot. The CDM funds allocated to this pilot did not cover all costs even after various grants were taken into consideration. The success of this pilot has been discussed in detail in the third tranche annual reports for 2006 and 2007.

#### **Description of Actions Taken**

No further work was undertaken in 2008.

#### **TRC Results**

There were no TRC Benefits associated with this initiative in 2008.

## **4. Lessons Learned**

The main lesson learned in 2008 was the value of flexibility as OPA funded programs continued to replace several of HHHI's programs. The message of conservation is an important one and by increasing the diversity of programs offered it is possible to reach a broad audience. HHHI used flexibility to meet its objective of delivering the conservation message in this evolving market.



## **5. Conclusion**

As of the end of 2008, 100% of the incremental CDM funding has been spent on CDM initiatives as reported in Appendices A, B, C and D.



## 6. Appendices

### 6.1. Appendix A: Evaluation of the HHHI 2008 CDM Plan

#### 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	5 Low Income	Commercial	Institutional	Industrial	Agricultural	LDC System	4 Smart Meters	Other #1	Other #2
Net TRC value (\$):	\$ -	\$ -	\$	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
Benefit to cost ratio:	\$ -	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00
Number of participants or units delivered:											
Lifecycle (kWh) Savings:	\$ -	0		0	0	0	0	0		0	0
Report Year Total kWh saved (kWh):	\$ -	0		0	0	0	0	0		0	0
Total peak demand saved (kW):	\$ -	0		0	0	0	0	0		0	0
Total kWh saved as a percentage of total kWh delivered (%):											
Peak kW saved as a percentage of LDC peak kW load (%):											
1 Report Year Gross C&DM expenditures (\$):	\$ -	\$ -	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 Expenditures per kWh saved (\$/kWh):	\$ -	\$ -	\$	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
3 Expenditures per kW saved (\$/kW):	\$ -	\$ -	\$	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -

Utility discount rate (%):	
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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 totals from Low Income programs that fall under both commercial and residential.





## 6.2. Appendix B: Discussion of the Programs

### 6.2.1. Residential

#### 6.2.1.1. Water Heater Load Control (2 pages)

### Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** RESIDENTIAL-Water Heater Load Control

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

The HHHI Water Heater Load Control program was switched to OPA funding through the OPA peaksaver program in 2007. No 3rd Tranche funding was spent in 2008.

**Measure(s):**

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
<i>Base case technology:</i>	Existing Water Heater	No Load Control	
<i>Efficient technology:</i>	New Water Heater	Utility Load Control	
<i>Number of participants or units delivered for reporting year:</i>			
<i>Measure life (years):</i>			
<i>Number of Participants or units delivered life to date</i>	133	133	

B. <b>TRC Results:</b>	Reporting Year	TRC Results:
<sup>1</sup> TRC Benefits (\$):		\$ 141,692.00
<sup>2</sup> TRC Costs (\$):		
<i>Utility program cost (excluding incentives):</i>		\$ 64,582.00
<i>Incremental Measure Costs (Equipment Costs)</i>		\$ -
<i>Total TRC costs:</i>		\$ 64,582.00
<b>Net TRC (in year CDN \$):</b>		<b>\$ 77,110.00</b>
<i>Benefit to Cost Ratio (TRC Benefits/TRC Costs):</i>		\$ 2.19

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

**Conservation Programs:**

<i>Demand savings (kW):</i>	Summer		
	Winter		
	<i>lifecycle</i>	<i>in year</i>	
<i>Energy saved (kWh):</i>			
<i>Other resources saved :</i>			
<i>Natural Gas (m3):</i>			
<i>Other (specify):</i>			

**Demand Management Programs:**

<i>Controlled load (kW)</i>		
<i>Energy shifted On-peak to Mid-peak (kWh):</i>		
<i>Energy shifted On-peak to Off-peak (kWh):</i>		
<i>Energy shifted Mid-peak to Off-peak (kWh):</i>		

**Demand Response Programs:**

<i>Dispatchable load (kW):</i>		
<i>Peak hours dispatched in year (hours):</i>		

**Power Factor Correction Programs:**

<i>Amount of KVar installed (KVar):</i>		
<i>Distribution system power factor at beginning of year (%):</i>		
<i>Distribution system power factor at end of year (%):</i>		



## Appendix B: Water Heater Load Control (page 2)

**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>D. <u>Actual Program Costs:</u></b>		<b><u>Reporting Year</u></b>	<b><u>Cumulative Life to Date</u></b>
<i>Utility direct costs (\$):</i>	<i>Incremental capital:</i>		\$ 26,693.00
	<i>Incremental O&amp;M:</i>		\$ 43,284.00
	<i>Incentive:</i>		\$ -
	<i>Total:</i>		\$ 69,977.00
<i>Utility indirect costs (\$):</i>	<i>Incremental capital:</i>		
	<i>Incremental O&amp;M:</i>		
	<i>Total:</i>		

**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.



## 6.2.2. Commercial

### 6.2.2.1. Commercial Industrial Audits (2 pages)

# Appendix B - Discussion of the Program

(complete this Appendix for each program)

A. **Name of the Program:** COMMERCIAL- Commercial Industrial Audits

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

This program was replaced with the OPA ERIP Program in 2007. No 3rd Tranche funding was spent in 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:			
Measure life (years):			
Number of Participants or units delivered life to date	1		

<b>B. TRC Results:</b>	Reporting Year	TRC Results:
<sup>1</sup> TRC Benefits (\$):		\$ -
<sup>2</sup> 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	
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):		



## Appendix B: Commercial Industrial Audits (page 2)

**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):		
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D. <b><u>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:		\$ 5,500.00
	Incentive:		\$ -
	Total:		\$ 5,500.00
Utility indirect costs (\$):	Incremental capital:		
	Incremental O&M:		
	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.



**6.2.2.2. Load Shifting – ZEBRA Battery Pilot (2 pages)**

**Appendix B - Discussion of the Program**

**(complete this Appendix for each program)**

A. **Name of the Program:** COMMERCIAL- Load Shifting - ZEBRA Battery Pilot

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

No 3rd Tranche funding was spent in 2008.

**Measure(s):**

	Measure 1	Measure 2 (if applicable)	Measure 3 (if applicable)
Base case technology:			
Efficient technology:	ZEBRA Battery Pilot		
Number of participants or units delivered for reporting year:			
Measure life (years):			
Number of Participants or units delivered life to date			

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



## Appendix B: Load Shifting – ZEBRA Battery Pilot (page 2)

**Line Loss Reduction Programs:**

<i>Peak load savings (kW):</i>			
	<i>lifecycle</i>	<i>in year</i>	
<i>Energy savings (kWh):</i>			

**Distributed Generation and Load Displacement Programs:**

<i>Amount of DG installed (kW):</i>		
<i>Energy generated (kWh):</i>		
<i>Peak energy generated (kWh):</i>		
<i>Fuel type:</i>		

**Other Programs (specify):**

<i>Metric (specify):</i>		
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<b>D. <u>Actual Program Costs:</u></b>		<b><u>Reporting Year</u></b>	<b><u>Cumulative Life to Date</u></b>
<i>Utility direct costs (\$):</i>	<i>Incremental capital:</i>	\$	-
	<i>Incremental O&amp;M:</i>	\$	-
	<i>Incentive:</i>	\$	-
	<i>Total:</i>	\$	-
<i>Utility indirect costs (\$):</i>	<i>Incremental capital:</i>		
	<i>Incremental O&amp;M:</i>		
	<i>Total:</i>		

**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.



6.3. Appendix C: HHHI Program and Portfolio Totals (1 of 5 pages)

Appendix C - Program and Portfolio Totals

Report Year: 2008

**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 (\$)
Water Heater Load Control	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
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 - Residential</b>	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
Residential Indirect Costs not attributable to any specific program	→							
<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 (\$)
Commercial Industrial Audits	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
Load Shifting-Zebra Battery Pilot	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -
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 - Commercial</b>	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -



### Appendix C: HHHI Program and Portfolio Totals (page 2)

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.

Name of Program	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 - Institutional</b>	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -

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.

Name of Program	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 - Industrial</b>	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -





Appendix C: HHHI Program and Portfolio Totals (page 3)

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>	\$ -	\$ -	\$ -	0.00	0	0	0	\$ -

Agricultural Indirect Costs not attributable to any specific program



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



Appendix C: HHHI Program and Portfolio Totals (page 4)

**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 (\$) →



Appendix C: HHHI Program and Portfolio Totals (page 5)

**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	\$ -	\$ -	\$ -	\$ -
Any <i>other</i> Indirect Costs not attributable to any specific program	→							
<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.



### 6.4. Appendix D: Total Life Evaluation of the CDM Plan

#### 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	Other #1	Other #2
Net TRC value (\$):	\$ 77,110.00	\$ 77,110.00	\$	\$	\$	\$	\$	\$		\$	\$
Benefit to cost ratio:	2.19	2.19									
Number of participants or units delivered:	135	133		2							
Lifecycle (kWh) Savings:	632,016.00	632,016.00									
Total kWh saved (kWh):	52,668.00	52,668.00									
Total peak demand saved (kW):	110	110									
Total kWh saved as a percentage of total kWh delivered (%):	0.01%	0.01%									
Peak kW saved as a percentage of LDC peak kW load (%):	0.11%	0.11%									
<sup>1</sup> Gross C&DM expenditures (\$):	\$ 179,669.00	\$ 69,977.00	\$	\$ 109,692.00	\$	\$	\$	\$	\$	\$	\$
<sup>2</sup> Expenditures per kWh saved (\$/kWh):	\$ 0.39	\$ 0.28	\$	\$ 0.11	\$	\$	\$	\$		\$	\$
<sup>3</sup> Expenditures per kW saved (\$/kW):	\$ 633.91	\$ 633.91	\$	\$	\$	\$	\$	\$		\$	\$
Utility discount rate (%):	7.63										

<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.