

Pollution Probe INTERROGATORY #1 List 1

Interrogatory

Issue #9: The Green Energy Plan

Please provide the actuals for each of Hydro One's 2006 CDM programmes':

a) budget; b) number of participants; c) annual MWh savings; d) MW savings; and e) TRC net benefits.

Response

For the year 2006, Hydro One rate funded (MARR) CDM expenditures were \$16.3 million as shown in Table 1 below (for more details, refer to the 2006 CDM Annual Report filed with the OEB on April 2, 2007 available online at <http://www.oeb.gov.on.ca/documents/cases/RP-2004-0203/2006-annualreports/hydroonenetwork.pdf>).

Table 1: MARR Funding – Summary of Spending and Savings for the year 2006

MARR Funding – Year 2006 Results					
PROGRAM	SPENDING (\$K)	PARTICIPANTS / UNITS	ANNUAL SAVINGS (MWh)	SAVINGS (MW)	Annual Net TRC Benefits (\$K)*
Residential					
Smart Meters	\$7,281	19,491			
Real Time Monitoring Pilot	\$(1)				
Real Time Monitoring Program	\$3,242	19,948	14,809.1	3.4	\$1,986
Mass Market	\$1,105	756,778	74,462.8	4.4	\$38,951
LED	\$125	21,809	327.4		\$439
Low Income / Social Housing	\$451	1,786	294.1	0.0	\$188
Load Control Pilot	\$(73)				
Load Control Program	\$2,117	1,687	806.4	2.2	\$1,983
Energy Audit Analysis					
Total	\$14,247	821,499	90,699.8	9.9	\$43,548
Commercial / Industrial, Farm, MUSH					
Interim Time of Use	\$394	3			
C/I MUSH Conservation	\$(148)	1,1783	185.4	0.0	\$86
C/I & Farm Load Control	\$2				\$(44)
Farm Energy Efficiency	\$1	94	64.0	0.0	\$291
Total	\$249	1,880	249.4	0.0	\$332
Common					
Distribution Loss Reduction	\$877				\$(877)
Program Management and Research	\$772				\$(697)
Communication and Education	\$145				\$(158)
Carrying Charge					
Total	\$1,794	0	0		\$(1,732)
Grand Total	\$16,290	823,379	\$90,949	9.9	\$42,148

* Hydro One ran several multi-year programs. Therefore, program costs may have started in 2006 while TRC benefits materialized later. To have a complete picture of a program, it is necessary to look at the Life To Date (LTD) results filed with the most recent CDM Annual Report.

Pollution Probe INTERROGATORY #2 List 1

Interrogatory

Issue #9: The Green Energy Plan

Please provide the actuals for each of Hydro One's 2007 CDM programmes':

a) budget; b) number of participants; c) annual MWh savings; d) MW savings; and e) TRC net benefits.

Response

For the year 2007, Hydro One's rate funded (MARR) CDM expenditures were \$17.8 million as shown in Table 1 below (for more details, refer to the 2007 CDM Annual Report filed with the OEB on April 2, 2008 available online at [http://www.oeb.gov.on.ca/OEB/Industry+Relations/OEB+Key+Initiatives/Conservation+and+Demand+Management+\(CDM\)/CDM+Reports+Plans+and+Applications](http://www.oeb.gov.on.ca/OEB/Industry+Relations/OEB+Key+Initiatives/Conservation+and+Demand+Management+(CDM)/CDM+Reports+Plans+and+Applications))

Table 1: MARR Funding - Summary of Spending and Savings for the year 2007

MARR Funding – Year 2007 Results					
PROGRAM	SPENDING (\$K)	PARTICIPANTS / UNITS	ANNUAL SAVINGS (MWh)	SAVINGS (MW)	Annual Net TRC Benefits (\$K)*
Residential					
Smart Meters					
Real Time Monitoring Pilot	\$1,840	10,652	8,137.0	1.4	\$970
Real Time Monitoring Program	\$1,083	249,077	17,190.8	1.2	\$6,056
Mass Market	\$128				\$(128)
LED	\$2,666	23,100	8,079.0	0.9	\$3,419
Low Income / Social Housing					
Load Control Pilot	\$2,419	8,313	3,306.7	11.0	\$8,810
Load Control Program	\$213				\$(213)
Energy Audit Analysis (Online Audit)					
Total	\$8,349	291,142	36,713.4	14.5	\$18,914
Commercial / Industrial, Farm, MUSH					
Interim Time of Use	\$365	3			
C/I MUSH Conservation	\$735	912	14,317.8	2.0	\$9,820
C/I & Farm Load Control	\$2,337	29,652	108,854.2	33.8	\$7,183
Farm Energy Efficiency	\$347	35	1,906.7	0.3	\$762
Total	\$3,784	30,602	125,078.7	36.1	\$17,765
Common					
Distribution Loss Reduction	\$4,522	219	7,207.7	2.4	\$4,843
Program Management and Research	\$849	411	396.2	0.0	\$(704)
Communication and Education	\$294	7,800	3,363.4	0.1	\$2,365
Carrying Charge					
Total	\$5,665	8,430	10,967.2	2.5	\$6,504
Grand Total	\$17,798	330,174	172,759.3	53.1	\$43,183

* Hydro One ran several multi-year programs. Therefore, program costs may have started in 2007 while TRC benefits materialized later. To have a complete picture of a program, it is necessary to look at the Life To Date (LTD) results filed with the most recent CDM Annual Report.

In 2007, Hydro One also participated in programs funded through the Global Adjustment Mechanism (OPA Core Programs). Expenditures were \$8.3 million.

Filed: October 19, 2009

EB-2009-0096

Exhibit H

Tab 4

Schedule 2

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1 Hydro One is required to report only spending and participants to the OPA. Reporting of
2 MW, MWh, and TRC is the responsibility of the OPA. Hydro One does not have access
3 to OPA related costs and cannot therefore calculate TRC Net Benefits. The 'Net'
4 Benefits in the table below have been estimated as Hydro One's portion of the TRC Net
5 Benefits by using OPA's EM&V results where available.

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Table 2: 2007 Global Adjustment Mechanism Funding, Summary of Spending and Savings

2007 Global Adjustment Mechanism Funding – OPA Core Program					
Year 2007 – OPA Programs	Actual spending (Program Cost + Customer incentives) (\$K)	PARTICIPANTS / UNITS	ANNUAL SAVINGS (MWh)*	SAVINGS (MW)*	Hydro One's portion of TRC Net Benefits (\$K)*
SummerSavings*	\$5,468	247,154	23,342	12	\$3,017
Electricity Retrofit Incentive Program	\$120	1	0	0	\$(120)
Great Refrigerator Roundup	\$70	13,448	5,422	1	\$1,172
PeakSaver	\$2,690	4,634	590	5	\$6,462
Total	\$8,348	265,237	29,354	18	\$10,531

10 * Part of SummerSavings on-bill credits were paid at the beginning of 2008 (for MWh savings related to the 2007

11 summer); the entire actual budget is shown in this table to reflect costs and savings appropriately

Pollution Probe INTERROGATORY #3 List 1

Interrogatory

Issue #9: The Green Energy Plan

Please provide the actuals for each of Hydro One's 2008 CDM programmes':
 a) budget; b) number of participants; c) annual MWh savings; d) MW savings; and e)
 TRC net benefits.

Response

For the year 2008, Hydro One' rate funded (MARR) CDM expenditures were \$1.4 million. (for more details, refer to the 2008 CDM Annual Report filed with the OEB on April 3, 2009 available online at [http://www.oeb.gov.on.ca/OEB/Industry+Relations/OEB+Key+Initiatives/Conservation+and+Demand+Management+\(CDM\)/CDM+Reports+Plans+and+Applications](http://www.oeb.gov.on.ca/OEB/Industry+Relations/OEB+Key+Initiatives/Conservation+and+Demand+Management+(CDM)/CDM+Reports+Plans+and+Applications))

**Table 1:
 MARR Funding - Summary of Spending and Savings for the year 2008**

MARR Funding – Year 2008 Results					
PROGRAM	SPENDING (\$K)	PARTICIPANTS / UNITS	ANNUAL SAVINGS (MWh)	SAVINGS (MW)	Annual Net TRC Benefits (\$K)
Residential					
Smart Meters					
Real Time Monitoring Pilot					
Real Time Monitoring Program					
Mass Market	\$2	7,254	4,559.7	0.8	\$(2)
LED	\$8				\$(8)
Low Income / Social Housing	\$4				\$(4)
Load Control Pilot					
Load Control Program					
Energy Audit Analysis					
Total	\$14	7,254	4,559.7	0.8	\$(14)
Commercial / Industrial, Farm, MUSH					
Interim Time of Use	\$148				
C/I MUSH Conservation	\$67	4,098	901.6	0.2	\$351
C/I & Farm Load Control					
Farm Energy Efficiency					
Total	\$215	4,098	901.6	0.2	\$351
Common					
Distribution Loss Reduction	\$1,153	67	7,236.5	2.6	\$8,738
Program Management and Research					
Communication and Education	\$5				\$(5)
Carrying Charge					
Total	\$1,158	67	7,236.5	2.6	\$8,733
Grand Total	\$1,387	11,419	12,697.8	3.7	\$9,070

In 2008 there were also some costs associated with on-going administration of the CDM work, which were included as part of the 2008 rates application. The Table below shows the ongoing rate funded projects and associated savings (for more details, refer to the 2008 CDM Annual Report filed with the OEB on April 3, 2009 available online at

[http://www.oeb.gov.on.ca/OEB/Industry+Relations/OEB+Key+Initiatives/Conservation+and+Demand+Management+\(CDM\)/CDM+Reports+Plans+and+Applications](http://www.oeb.gov.on.ca/OEB/Industry+Relations/OEB+Key+Initiatives/Conservation+and+Demand+Management+(CDM)/CDM+Reports+Plans+and+Applications)).

**Table 2:
 2008 Rate funded Program costs for the on-going administration of the CDM work**

2008 Incremental Funding					
PROGRAM ACTIVITIES	INCREMENTAL EXPENDITURES (\$K)	PARTICIPANTS / UNITS	ANNUAL SAVINGS (MWh)	SAVINGS (MW)	TRC Net Benefits (\$K)
Maintenance of Current Program					
Residential					
Cold Shoulder Appliance Pickup	\$16	100	120	0	\$50
Load Control Program	\$78				\$(78)
PowerSaver Plus Online Energy Audit	\$60				\$(60)
Low Income / Social Housing					
Low Income / Social Housing	\$46	25	109	0	\$106
Commercial / Industrial, Farms, MUSH					
PowerSaver Business Incentive Program	\$1	1	7		\$6
C/I Load Control (Double Return)	\$104	600	168		\$81
Interim Time of Use	\$43				
Farm Load Control (Leamington DG)	\$51				\$(51)
Maintenance of Current Programs Subtotal	\$399	726	404	0	\$54
PowerHouse Pilot Program Subtotal					
	\$200	22	(108)		\$592
Program Management and Research					
- Survey	\$33	6,600			\$(33)
- Research	\$214				\$(214)
- Education	\$2	1			\$(2)
Program Management and Research Subtotal	\$249	6,601			\$249
Total	\$848	7,349	296	0	\$397

In 2008, Hydro One also participated in programs funded through the Global Adjustment Mechanism (OPA Core and Custom Programs). Expenditures were \$5.9 million. Hydro One also received \$0.7 million in funding from the Ontario Ministry of Energy for a pilot (PowerHouse) program for renewable energy.

Hydro One is required to report only spending and participants to the OPA. Reporting of MW, MWh, and TRC is the responsibility of the OPA. Hydro One does not have access to OPA related costs and cannot therefore calculate TRC Net Benefits. The 'Net' Benefits in the table below have been estimated as Hydro One's portion of the TRC Net Benefits by using OPA's EM&V results where available.

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**Table 3:
Global Adjustment Mechanism Funded and Ministry of Energy Funded programs
Summary of Spending and Savings**

2008 Programs					
YEAR 2008 PROGRAMS	ACTUAL BUDGET (PROGRAM COSTS + INCENT) (\$K)	PARTICIPANTS (Customers or Units)	ANNUAL SAVINGS (MWh)	SAVINGS (MW)	Hydro One's Portion of TRC Net Benefits (\$K)*
Global Adjustment Mechanism Funding – OPA Core Program					
SummerSweepstakes	\$225	19,245	1,764		58
Electricity Retrofit Incentive Program	\$890	149	12,300	2.7	\$4,250
Great Refrigerator Roundup	\$210	23,700	11,400	1.3	\$2,068
PeakSaver	\$3,324	5,500	1,400	5.0	\$7,133
Power Savings Blitz*	\$90		n/a	n/a	n/a
Global Adjustment Mechanism Funding – OPA Custom Program					
Double Return	\$1,200	120			
Distribution		117	35,415	19.6	\$4,925
Transmission		3	46,224	22.5	\$5,925
Ministry of Energy Funded					
PowerHouse Program	\$700	76	(250)	0	\$1,140
Total	\$6,639	48,910	108,253	51.1	\$25,769

5 *Actual retrofits took place in 2009, during the three months extension (January to March 2009) of this program; therefore, no savings
6 were reported in 2008

1 **Pollution Probe INTERROGATORY #4 List 1**

2
3 **Interrogatory**

4
5 Issue #9: The Green Energy Plan

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7 Please provide the best available information for each of Hydro One's 2009 CDM
8 programmes': a) budget; b) number of participants; c) annual MWh savings; d) MW
9 savings; and e) TRC net benefits.

10
11 **Response**

12
13 For 2009, HONI expects to spend \$1 million from distribution rates for administration of
14 CDM work, \$1.4 million from the Ontario Ministry of Energy and Infrastructure for a
15 pilot (PowerHouse) program for renewable energy, and \$15.5 million from the Global
16 Adjustment Mechanism (OPA Core and Custom Programs). Expected spending,
17 participants, savings (MW and MWh) and TRC Net Benefits (where information is
18 available) for all CDM programmes are shown in the table below.

19
20 Hydro One is required to report only spending and participants to the OPA. Reporting of
21 MW, MWh, and TRC is the responsibility of the OPA. Hydro One does not have access
22 to OPA related costs and cannot therefore calculate TRC Net Benefits. The 'Net'
23 Benefits in the table below have been estimated as Hydro One's portion of the TRC Net
24 Benefits by using OPA's EM&V results where available.
25

1 Table 1: Global Adjustment Mechanism Funded, Ministry of Energy Funded and Rate
 2 Funded programs Summary of Spending and Savings
 3

2009 Forecast					
YEAR 2009	FORECASTED EXPENDITURE (PROGRAM COSTS + INCENT) (\$K)	ESTIMATED PARTICIPANTS (Customers or Units)	EST. ANNUAL SAVINGS (MWh)*	EST. SAVINGS (MW)*	Hydro One's Portion of TRC Net Benefits (\$K)*
Rate Funded Administration of CDM Work					
Maintenance of MARR Funded Programs and Minimum Capability	\$1,000	Not Available	Not Available	Not Available	Not Available
Ministry of Energy Funding					
PowerHouse Program	\$1,400	153	(501)	0	\$2,815
Global Adjustment Mechanism Funding – OPA Core Program					
Electricity Retrofit Incentive Program*	\$2,650	160	12,900	3.6	\$8,476
Great Refrigerator Roundup	\$500	23,000	11,400	1.3	\$1,708
PeakSaver	\$4,125	7,500	2,000	7.0	\$10,463
Power Savings Blitz**	\$7,100	5,350	20,000	5.8	\$4,149
Global Adjustment Mechanism Funding – OPA Custom Program					
Double Return	\$1,200	119			
Distribution		111	44,280	19.6	\$2,159
Transmission		8	70,831	22.5	\$3,614
Total	\$17,975	36,282	160,911	59.8	\$33,384

4 * Assumptions for various technologies and programs not yet finalized by OPA; EM&V will commence in 2010
 5

Pollution Probe INTERROGATORY #5 List 1

Interrogatory

Issue #9: The Green Energy Plan

Please provide the forecasts for each of Hydro One's 2010 CDM programmes':
 a) budget; b) number of participants; c) annual MWh savings; d) MW savings; and e)
 TRC net benefits.

Response

As at October 19, 2009 no budgets or targets have yet been established for 2010 CDM programs - which are expected to be funded from Global Adjustment Mechanism. All existing contracts with the OPA expire in 2010 and the GEGEA has not yet been operationalized. The table below assumes that the 2010 programs are the same as 2009 and that there is no interruption in funding. Expenditures and results have been adjusted from 2009 to reflect a full year of operation at current activity levels.

There are also some costs associated with on-going administration of the CDM work (\$1M forecasted Budget), which are included as part of rates.

Hydro One is required to report only spending and participants to the OPA. Reporting of MW, MWh, and TRC is the responsibility of the OPA. Hydro One does not have access to OPA related costs and cannot therefore calculate TRC Net Benefits. The 'Net' Benefits in the table below have been estimated as Hydro One's portion of the TRC Net Benefits by using OPA's EM&V results where available.

2010 Forecast					
YEAR 2010	FORECASTED EXPENDITURE (PROGRAM COSTS + INCENT) (\$K)	ESTIMATED PARTICIPANTS (Customers or Units)	EST. ANNUAL SAVINGS (MWh)*	EST. SAVINGS (MW)*	Hydro One's Portion of TRC Net Benefits (\$K)*
Rate Funded Administration of CDM Work					
Maintenance of MARR Funded Programs and Minimum Capability	\$1,000	Not Available	Not Available	Not Available	Not Available
Global Adjustment Mechanism Funding – OPA Core Program					
Electricity Retrofit Incentive Program*	\$2,650	160	12,900	4.0	\$8,028
Great Refrigerator Roundup	\$600	23,000	11,400	1.3	\$1,457
PeakSaver	\$6,500	10,000	2,400	9.0	\$13,504
Power Savings Blitz**	\$12,750	12,000	47,000	14.0	\$20,107
Total	\$23,500	45,160	73,700	28.3	\$43,096

* Assumptions based on latest information available from OPA EM&V studies and program planning inputs

Filed: October 19, 2009

EB-2009-0096

Exhibit H

Tab 4

Schedule 5

Page 2 of 2

- 1 Additional programs are expected to be implemented once targets and funding have been
- 2 established for all LDCs by the Board. The funding for such programs is not expected to
- 3 impact Hydro One's distribution rates.

Pollution Probe INTERROGATORY #6 List 1

Interrogatory

Issue #9: The Green Energy Plan

Please provide the forecasts for each of Hydro One's 2011 CDM programmes':
 a) budget; b) number of participants; c) annual MWh savings; d) MW savings; and e)
 TRC net benefits.

Response

As at October 19, 2009 no budgets or targets have yet been established for 2011 CDM programs - which are expected to be funded through the Global Adjustment Mechanism. All existing contracts with the OPA expire in 2010 and the GEGERA has not yet been operationalized. The table below assumes that the 2011 programs are the same as 2010 and that expenditures and results are also the same.

There are \$1M in costs associated with on-going administration of the CDM work which are included as part of rates.

Hydro One is required to report only spending and participants to the OPA. Reporting of MW, MWh, and TRC is the responsibility of the OPA. Hydro One does not have access to OPA related costs and cannot therefore calculate TRC Net Benefits. The 'Net' Benefits in the table below have been estimated as Hydro One's portion of the TRC Net Benefits by using OPA's EM&V results where available.

2011 Forecast					
YEAR 2011	FORECASTED BUDGET (PROGRAM COSTS + INCENT) (\$K)	ESTIMATED PARTICIPANTS (Customers or Units)	EST. ANNUAL SAVINGS (MWh)*	EST. SAVINGS (MW)*	Hydro One's Portion of TRC Net Benefits (\$K)*
Rate Funded Administration of CDM Work					
Maintenance of MARR Funded Programs and Minimum Capability	\$1,000	Not Available	Not Available	Not Available	Not Available
Global Adjustment Mechanism Funding – OPA Core Program					
Electricity Retrofit Incentive Program	\$2,650	160	12,900	4.0	\$8,028
Great Refrigerator Roundup	\$600	23,000	11,400	1.3	\$1,457
PeakSaver	\$6,500	10,000	2,400	9.0	\$13,504
Power Savings Blitz	\$12,750	12,000	47,000	14.0	\$20,107
Total	\$23,500	45,160	73,700	28.3	\$43,096

* Assumptions based on latest information available from OPA EM&V studies and program planning inputs

Additional programs are expected to be implemented once targets and funding have been established for all LDCs by the Board. The funding for such programs is not expected to impact Hydro One's distribution rates.

1 **Pollution Probe INTERROGATORY #7 List 1**

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3 **Interrogatory**

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5 Issue #9: The Green Energy Plan

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7 Please provide the forecasts for each of Hydro One's 2012 CDM programmes':
8 a) budget; b) number of participants; c) annual MWh savings; d) MW savings; and e)
9 TRC net benefits.

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11 **Response**

12
13 As at October 19, 2009 no budgets or targets have yet been established for 2012 CDM
14 programs - which are expected to be funded from Global Adjustment Mechanism. All
15 existing contracts with the OPA expire in 2010 and the GEGEA has not yet been
16 operationalized.

17
18 Hydro One Distribution understands that there are a number of processes under way to
19 operationalize the GEGEA, including:

- 20
21 • preparation of GEGEA regulations/directives;
22
23 • development of CDM targets for each distributor;
24
25 • development of CDM portfolio/program requirements/tests; etc.

26
27 Once these processes have been completed, Hydro One Distribution will be in a position
28 to assemble a portfolio of CDM programs for the Board's review and approval. Hydro
29 One's understanding is that more CDM is desired rather than less, so 2012 expenditures
30 are expected to be at least equal to current levels.

1 *Pollution Probe INTERROGATORY #8 List 1*

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3 *Interrogatory*

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5 Issue #9: The Green Energy Plan

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7 Please provide the forecasts for each of Hydro One's 2013 CDM programmes':
8 a) budget; b) number of participants; c) annual MWh savings; d) MW savings; and e)
9 TRC net benefits.

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11
12 *Response*

13
14 As at October 19, 2009 no budgets or targets have yet been established for 2013 CDM
15 programs - which are expected to be funded through the Global Adjustment Mechanism.
16 All existing contracts with the OPA expire in 2010 and the GEGEA has not yet been
17 operationalized.

18
19 Hydro One Distribution understands that there are a number of processes under way to
20 operationalize the GEGEA, including:

- 21
22 • preparation of GEGEA regulations/directives;
23
24 • development of CDM targets for each distributor;
25
26 • development of CDM portfolio/program requirements/tests; etc.

27
28 Once these processes have been completed, Hydro One Distribution will be in a position
29 to assemble a portfolio of CDM programs for the Board's review and approval. Hydro
30 One's understanding is that more CDM is desired rather than less, so 2013 expenditures
31 are expected to be at least equal to current levels.

1 *Pollution Probe INTERROGATORY #9 List 1*

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3 *Interrogatory*

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5 Issue #9: The Green Energy Plan

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7 Please provide the forecasts for each of Hydro One's 2014 CDM programmes':
8 a) budget; b) number of participants; c) annual MWh savings; d) MW savings; and e)
9 TRC net benefits.

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11
12 *Response*

13
14 As at October 19, 2009 no budgets or targets have yet been established for 2014 CDM
15 programs - which are expected to be funded through the Global Adjustment Mechanism.
16 All existing contracts with the OPA expire in 2010 and the GEGEA has not yet been
17 operationalized.

18
19 Hydro One Distribution understands that there are a number of processes under way to
20 operationalize the GEGEA, including:

- 21
- 22 • preparation of GEGEA regulations/directives;
 - 23
 - 24 • development of CDM targets for each distributor;
 - 25
 - 26 • development of CDM portfolio/program requirements/tests; etc.
 - 27

28 Once these processes have been completed, Hydro One Distribution will be in a position
29 to assemble a portfolio of CDM programs for the Board's review and approval. Hydro
30 One's understanding is that more CDM is desired rather than less, so 2014 expenditures
31 are expected to be at least equal to current levels.

1 **Pollution Probe INTERROGATORY #10 List 1**

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3 **Interrogatory**

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5 Issue #9: The Green Energy Plan

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7 Please state Hydro One's actual and forecasted number of:

- 8 a) residential *peaksaver* participants as of December 31, 2008 and
9 December 31, 2009 respectively; and
10 b) small business *peaksaver* participants as of December 31, 2008 and
11 December 31, 2009 respectively.

12
13 **Response**

14
15 The table below provides the actual and forecast for Hydro One *peaksaver* participants.

16

<i>peaksaver</i> participants	Actual as on December 31, 2008	Forecast for December 31, 2009
Residential participants	20,365*	27,846*
Small Business participants	439	519

17 * Includes 10,000 SmartStat participants. SmartStat devices have been dispatched
18 whenever a PeakSaver load control event has been called.

1 **Pollution Probe INTERROGATORY #11 List 1**

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3 **Interrogatory**

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5 Issue #9: The Green Energy Plan

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7 Please state the number of *peaksaver* participants that Hydro One controlled on August
8 17, 2009 and the resulting savings (in MWs).

9
10 **Response**

11
12 The number of *peaksaver* participants that Hydro One controlled on August 17, was
13 22,300 and the estimated curtailment as per Ontario Power Authority guideline is 19.7
14 MW.

15
16 Hydro One is also an aggregator for 6 LDCs and therefore controlled an additional 4,620
17 *peaksaver* participants with an estimated curtailment of approximately 4.0 MW.

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Pollution Probe INTERROGATORY #12 List 1

Interrogatory

Issue #9: The Green Energy Plan

Please state the kW savings of an average Hydro One residential *peaksaver* participant and an average Hydro One small business *peaksaver* participant.

Response

Below is the average Hydro One *peaksaver* participant savings as per Ontario Power Authority's guideline.

Assumed kW Controlled:	kW
Residential Water Heaters	0.3
Commercial Water Heaters	1.85
Residential AC Thermostats	0.865
Commercial AC Thermostats	3.7

1 **Pollution Probe INTERROGATORY #13 List 1**

2
3 **Interrogatory**

4
5 Issue #9: The Green Energy Plan

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7 Please state Hydro One's potential number of:

- 8 a) residential peaksaver participants; and
9 b) non-residential peaksaver participants.

10
11 Please clarify as to whether these numbers include existing peaksaver
12 participants.

13
14 **Response**

- 15
16 a) At a penetration rate of 25% of customers with central air conditioning, Hydro One's
17 potential number of residential peaksaver participants is estimated at approximately
18 100,000 customers over time, including the existing participants.
19
20 b) Peaksaver does not currently allow the participation of business customers with a
21 demand of more than 50 kW and has not been designed for business customers. The
22 program would need to be redesigned to significantly penetrate the business sector.
23 Under current rules, Hydro One's potential non-residential peaksaver participants is
24 estimated at 2,000 customers over time, including the existing participants.

1 **Pollution Probe INTERROGATORY #14 List 1**

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3 **Interrogatory**

4
5 Issue #9: The Green Energy Plan

6
7 Please state Hydro One's forecasted number of *peaksaver* participants in 2010, 2011,
8 2012, 2013, and 2014.

9
10 **Response**

11
12 Funding has not yet been negotiated for 2010 or beyond and the current peaksaver and
13 Master Agreements with the OPA expire in 2010. Assuming appropriate funding and
14 structure, HONI anticipates being able to add an incremental 10,000 participants in 2010,
15 bringing the total number of participants to approximately 38,400.

16
17 Air conditioning load control for 2011 and beyond needs to transition from pager
18 technology to smart grid technology and Hydro One needs to be able to re-design
19 peaksaver to increase the results achieved to date. With proper re-design there is
20 sufficient potential to add an average of 10,000 customers per year for 2011 through
21 2014.

1 *Pollution Probe INTERROGATORY #15 List 1*

2
3 *Interrogatory*

4
5 Issue #9: The Green Energy Plan

6
7 Please state Hydro One's maximum payment per kW and per kWh for electricity savings
8 pursuant to its Electricity Incentive Retrofit Program.

9
10 *Response*

11
12 As per the prescriptive measures list for the Electricity Retrofit Incentive Program
13 (ERIP), customers are provided an incentive of \$60 per ton of cooling for the installation
14 of an ENERGY STAR qualified Unitary Air Conditioning Unit. The OPA has denoted
15 the kW savings to be 0.052 kW per ton for this measure.

16
17 Under ERIP, customer incentives are not paid based on kWh savings.

1 **Pollution Probe INTERROGATORY #16 List 1**

2
3 **Interrogatory**

4
5 Issue #9: The Green Energy Plan

6
7 Please state Hydro One's forecasted total capital budget for CDM in 2010, 2011, 2012,
8 2013 and 2014. Please also provide a break-out of these budgets by their major
9 components.

10
11 **Response**

12
13 There is no capital budget associated with CDM.