

# LakelandPower

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October 19, 2015

Ontario Energy Board  
P.O. Box 2319  
27th Floor, 2300 Yonge Street  
Toronto, Ontario  
M4P 1E4  
Attention: Ms. K. Walli, Board Secretary

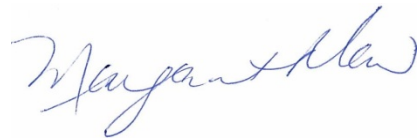
**Re: Lakeland Power Distribution Ltd. (LPDL)  
2016 IRM Electricity Distribution Rate Application,  
Responses to Board Staff Interrogatories  
OEB File No. EB-2015-0086**

Dear Ms. K. Walli:

Please find accompanying this letter, two copies of Lakeland Power's (LPDL's) Responses to Board Staff Interrogatories. The PDF version has been submitted using RESS. Board staff and the intervenor have been copied on this filing.

Should there be any questions, please contact me at the number above.

Respectfully Submitted,



Margaret Maw  
Chief Financial Officer  
Lakeland Power Distribution Ltd.

**Lakeland Power Distribution Limited**  
**EB-2015-0086**  
**Board Staff Interrogatories**

**Interrogatory #1**

**Ref: Managers Summary Page 15 - LRAMVA Disposition**

On page 13 of the *Filing Requirements for Electricity Distribution Rate Application, Chapter 3*, dated July 16, 2015, the OEB requests the following information in relation to the disposition of the LRAMVA Account 1568.

- *Separate tables for each rate class showing the lost revenue amounts requested by the year they are associated with and the year the lost revenues occurred. Within each rate class table, include a list of all the CDM programs/initiatives applicable to that rate class and provide the energy savings (kWh) and peak demand (kW) savings assigned to those programs/initiatives*
- *Lost revenue calculations, determined by calculating the energy savings by customer class and valuing those energy savings using the distributor's OEB-approved variable distribution charge appropriate to the class*

A) Please provide a table showing the above information.

B) Please provide a table showing the rate rider calculation by rate class.

**Interrogatory #1 – Response**

*At the time of booking the LRAMVA, LPDL uses a simple calculation of the kWh saved times the respective rates weighted for the split year. LPDL used the kWh from the 2012 CDM results for residential then the balance to GS < 50 kW. The result was \$17,426.89. Subsequently, LPDL has done a more throughout calculation which resulted in the kWh savings to GS<50 kW to be reduced by the amount that should have been assigned to GS>50 kW rate class. The table below is the detailed calculation:*

Initial Calculation	OPA Final Report kWh	Jan-April Rate	May-Dec Rate	Total
Residential	306,370	.0137	.0138	\$ 4,217.69
GS<50 kW	1,578,789	.0083	.0084	\$13,209.20
Total	1,885,159			\$ 17,426.89

Corrected Calculation	OPA Final Report kWh	Jan-April Rate	May-Dec Rate	Total
Residential	306,371 kWh	.0137/kWh	.0138/kWh	\$ 4,218
GS<50 kW	1,552,914 kWh	.0083/kWh	.0084/kWh	\$12,993
GS>50 kW	25,876 kWh 4 kW	1.3990 /kW	1.4113 /kW	\$ 6
Total	1,885,161 kWh			\$ 17,216

*This results in a \$310 difference due to kWh to kW conversion and rate differential. After interest is added to April 2016, the claim should be for \$19,167 not \$18,079, a difference of \$1,088. The rate riders would be:*

LRAM Rate Rider - Only 2012	LRAM	Interest	LRAM	Approved	UOM	LRAM Rider
Residential	\$4,218	\$478	\$4,696	109,779,129	kWh	0.00004
General Service Less Than 50 kW	\$12,993	\$1,473	\$14,465	48,719,948	kWh	0.00030
General Service 50 to 4,999 kW	\$6	\$1	\$6	404,655	kW	0.00002
<b>Total</b>	<b>\$17,216</b>	<b>\$1,951</b>	<b>\$19,167</b>			

## Interrogatory #2

**Ref: Managers Summary Page 15 – LRAMVA Disposition**

Please provide the 2012 Final OPA Conservation Program Report. OEB staff is not able to verify the results.

## Interrogatory #2 - Response

*Attached as Appendix A*

### Interrogatory #3

Ref: Managers Summary Page 17 – Shared Tax Savings

Ref: Rate Generator Model Tab 8 – Shared Tax Rate Rider

Ref: Chapter 3 Filing Requirements for Electricity Distribution Rate Applications  
3.2.7 Tax Changes

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	33,132,938		268	0.01	\$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	14,826,528		85	0.0000	kWh
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	36,459,804	88,680	116	0.0013	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	56,929		3	0.0000	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	10,305		0	0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kWh	865,916	2,424	10	0.0000	kWh
<b>Total</b>		85,352,420	91,104	\$481		

OEB staff notes there are insignificant rate riders in several rate classes for the Parry Sound service territory. Please confirm if Lakeland Power wishes to transfer the tax sharing amount to Account 1595 for disposition at a future date due to insignificant rate riders.

### Interrogatory #3 – Response

*Confirmed*

### Interrogatory #4

Ref: Managers Summary Page 13 – Deferral and Variance Accounts

OEB staff notes in decision EB-2014-0091 Lakeland Power was directed to complete a comprehensive review of its deferral and variance account balances for the Parry Sound Service area. Lakeland Power has indicated in its manager's summary the review is underway. Please provide a date of when this review will be completed.

### Interrogatory #4 – Response

*LPDL's interpretation of the comprehensive review of the deferral and variance account balances was that it was specific to Accounts 1588 and 1589 as the concern was the large values surrounding the split for these accounts around the Global Adjustment. The net balance of these two accounts is correct, it is the determination of the allocation that is under scrutiny as it impacts very different rate classes. All other Group 1 accounts have validated balances. It is expected that the review will be completed prior to the end of 2015.*

**Interrogatory #5****Ref: Mangers Summary Page 13 – Deferral and Variance Accounts**

Lakeland Power has requested disposition of the deferral and variance accounts for the Parry Sound service territory excluding accounts 1588 RSVA – Power (excluding global adjustment) and 1589 RSVA – Global Adjustment. OEB staff notes that Chapter 3 filing requirements state “distributors must include Group 1 balances as of December 31, 2014 to determine if the threshold has been exceeded. A continuity schedule, found on sheet 3 of the rate generator, must be completed as part of the application.” Please explain the rationale for requesting the disposition of the remainder of the accounts before the review is complete.

**Interrogatory #5 – Response**

*See response to Interrogatory #4*

**Interrogatory #6****Ref: Mangers Summary Page 10 - 11 – Rate Design Changes****Ref: Rate Generator Model Tab 15 – Rev2Cost\_GDPIPI**

Please confirm that if the number of years to transition to the new rate design was changed to 4 years, the impact would be \$4.43.

**Interrogatory #6 – Response**

*Confirmed*

## **Interrogatory #7**

**Ref: Mangers Summary Page 10 - 11 – Rate Design Changes**

Lakeland Power has proposed a 4 year rate design transition for the Lakeland Power service territory and a 5 year rate design transition for the Parry Sound service territory. OEB staff is concerned that this could cause complications if Lakeland Power were to harmonize rates, within the next 5 years.

- A) Please confirm the last time Lakeland Power rebased was 2013 EB-2012-0145.
- B) When does Lakeland Power expect to file its next Cost of Service application?
- C) When Lakeland Power does file its next Cost of Service application, will Lakeland be proposing rate harmonization with the Parry Sound service territory?
- D) Would Lakeland Power be opposed to extending the Lakeland Power service territory rate design transition years to 5 years, if Lakeland plans to harmonize its rates in the next 5 years?

## **Interrogatory #7 – Response**

- A) *Confirmed*
- B) *In the MADD application submitted upon the merger with Parry Sound Power, LPDL had indicated that it would be filing its next Cost of Service application for January 1, 2018 rates and would be proposing rate harmonization.*
- C) *LPDL would not be opposed to extending the transition years to 5 years for both service territories with the understanding that it may request to file a Cost of Service application with rate harmonization until 2018 for January 1, 2019 rates, a one year deferral.*

## Interrogatory #8

Ref: Mangers Summary Page 10 - 11 – Rate Design Changes

Ref: Rate Generator Model Tab 18 – Bill Impacts

Ref: Chapter 3 Filing Requirements for Electricity Distribution Rate Applications  
3.2.3 Rate Design for Residential Electricity Customers

Chapter 3 section 3.2.3 states “The OEB has established that, when assessing the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, a utility shall evaluate total bill impact for a residential customer at the distributor’s 10<sup>th</sup> consumption percentile.”

- A) Please confirm the RPP residential bill impacts at the 10<sup>th</sup> percentile for Parry Sounds Service Territory are 1.59%. ((Sub-Total C – Delivery \$ change)/Total Bill on TOU (before taxes))

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	300 kWh
Demand	- kW
Current Loss Factor	1.0809
Proposed/Approved Loss Factor	1.0809
Ontario Clean Energy Benefit Applied?	Yes

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.50	1	\$ 22.50	\$ 26.52	1	\$ 26.52	\$ 4.02	17.87%
Distribution Volumetric Rate	\$ 0.0179	300	\$ 5.37	\$ 0.0146	300	\$ 4.38	-\$ 0.99	-18.44%
Fixed Rate Riders	\$ 4.11	1	\$ 4.11	\$ 4.12	1	\$ 4.12	\$ 0.01	0.24%
Volumetric Rate Riders	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	-
<b>Sub-Total A (excluding pass through)</b>			\$ 31.98			\$ 35.02	\$ 3.04	9.51%
Line Losses on Cost of Power	\$ 0.1021	24	\$ 2.48	\$ 0.1021	24	\$ 2.48	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	300	\$ -	-\$ 0.0032	300	-\$ 0.96	-\$ 0.96	-
Low Voltage Service Charge	\$ 0.0011	300	\$ 0.33	\$ 0.0011	300	\$ 0.33	\$ -	0.00%
Smart Meter Entry Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 35.58			\$ 37.66	\$ 2.08	5.85%
RTSR - Network	\$ 0.0061	324	\$ 1.98	\$ 0.0043	324	\$ 1.39	-\$ 0.58	-29.51%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0043	324	\$ 1.39	\$ 0.0033	324	\$ 1.07	-\$ 0.32	-23.26%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 38.95			\$ 40.12	\$ 1.17	3.01%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	324	\$ 1.43	\$ 0.0044	324	\$ 1.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	324	\$ 0.42	\$ 0.0013	324	\$ 0.42	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	300	\$ 2.10	\$ -	300	\$ -	-\$ 2.10	-100.00%
Ontario Electricity Support Program (OESP)				\$ -	324	\$ -	\$ -	-
TOU - Off Peak	\$ 0.0800	192	\$ 15.36	\$ 0.0800	192	\$ 15.36	\$ -	0.00%
TOU - Mid Peak	\$ 0.1220	54	\$ 6.59	\$ 0.1220	54	\$ 6.59	\$ -	0.00%
TOU - On Peak	\$ 0.1610	54	\$ 8.69	\$ 0.1610	54	\$ 8.69	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 73.79			\$ 72.86	-\$ 0.93	-1.26%
HST		13%	\$ 9.59		13%	\$ 9.47	-\$ 0.12	-1.26%
<b>Total Bill (including HST)</b>			\$ 83.38			\$ 82.34	-\$ 1.05	-1.26%
Ontario Clean Energy Benefit <sup>1</sup>			-\$ 8.34					
<b>Total Bill on TOU</b>			\$ 75.04			\$ 82.34	\$ 7.29	9.72%

B) Please confirm the Non-RPP residential bill impacts at the 10<sup>th</sup> percentile for Parry Sounds Service Territory are 1.63%. ((Sub-Total C – Delivery \$ change\Total Bill on TOU (before taxes))

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	300	kWh
Demand	-	kW
Current Loss Factor	1.0809	
Proposed/Approved Loss Factor	1.0809	
Ontario Clean Energy Benefit Applied?	Yes	

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.50	1	\$ 22.50	\$ 26.52	1	\$ 26.52	\$ 4.02	17.87%
Distribution Volumetric Rate	\$ 0.0179	300	\$ 5.37	\$ 0.0146	300	\$ 4.38	-\$ 0.99	-18.44%
Fixed Rate Riders	\$ 4.11	1	\$ 4.11	\$ 4.12	1	\$ 4.12	\$ 0.01	0.24%
Volumetric Rate Riders	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	-
<b>Sub-Total A (excluding pass through)</b>			\$ 31.98			\$ 35.02	\$ 3.04	9.51%
Line Losses on Cost of Power	\$ 0.0954	24	\$ 2.32	\$ 0.0954	24	\$ 2.32	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	300	\$ -	-\$ 0.0032	300	\$ 0.96	-\$ 0.96	-
Low Voltage Service Charge	\$ 0.0011	300	\$ 0.33	\$ 0.0011	300	\$ 0.33	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 35.42			\$ 37.50	\$ 2.08	5.87%
RTSR - Network	\$ 0.0061	324	\$ 1.98	\$ 0.0043	324	\$ 1.39	-\$ 0.58	-29.51%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0043	324	\$ 1.39	\$ 0.0033	324	\$ 1.07	-\$ 0.32	-23.26%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 38.79			\$ 39.96	\$ 1.17	3.02%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	324	\$ 1.43	\$ 0.0044	324	\$ 1.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	324	\$ 0.42	\$ 0.0013	324	\$ 0.42	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	300	\$ 2.10	\$ -	300	\$ -	-\$ 2.10	-100.00%
Ontario Electricity Support Program (OESP)				\$ -	324	\$ -	\$ -	-
Non-RPP Retailer Avg. Price	\$ 0.0954	300	\$ 28.62	\$ 0.0954	300	\$ 28.62	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 71.61			\$ 70.68	-\$ 0.93	-1.30%
HST	13%		\$ 9.31	13%		\$ 9.19	-\$ 0.12	-1.30%
<b>Total Bill (including HST)</b>			\$ 80.91			\$ 79.87	-\$ 1.05	-1.30%
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			-\$ 8.09					
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 72.82			\$ 79.87	\$ 7.04	9.67%



C) Please confirm the RPP residential bill impacts at the 10th percentile for Lakeland Power Service Territory are 2.29%. ((Sub-Total C – Delivery \$ change/Total Bill on TOU (before taxes))

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	300	kWh
Demand	-	kW
Current Loss Factor	1.0743	
Proposed/Approved Loss Factor	1.0743	
Ontario Clean Energy Benefit Applied?	Yes	

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 20.23	1	\$ 20.23	\$ 23.66	1	\$ 23.66	\$ 3.43	16.96%
Distribution Volumetric Rate	\$ 0.0148	300	\$ 4.44	\$ 0.0113	300	\$ 3.39	-\$ 1.05	-23.65%
Fixed Rate Riders	\$ -	1	\$ -	\$ 0.17	1	\$ 0.17	\$ 0.17	
Volumetric Rate Riders	\$ -	300	\$ -	\$ 0.0001	300	\$ 0.03	\$ 0.03	
<b>Sub-Total A (excluding pass through)</b>			\$ 24.67			\$ 27.25	\$ 2.58	10.46%
Line Losses on Cost of Power	\$ 0.1021	22	\$ 2.28	\$ 0.1021	22	\$ 2.28	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	300	\$ -	-\$ 0.0036	300	-\$ 1.08	-\$ 1.08	
Low Voltage Service Charge	\$ 0.0034	300	\$ 1.02	\$ 0.0034	300	\$ 1.02	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 28.76			\$ 30.26	\$ 1.50	5.22%
RTSR - Network	\$ 0.0059	322	\$ 1.90	\$ 0.0057	322	\$ 1.84	-\$ 0.06	-3.39%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0042	322	\$ 1.35	\$ 0.0045	322	\$ 1.45	\$ 0.10	7.14%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 32.01			\$ 33.54	\$ 1.53	4.79%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	322	\$ 1.42	\$ 0.0044	322	\$ 1.42	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	322	\$ 0.42	\$ 0.0013	322	\$ 0.42	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	300	\$ 2.10	\$ -	300	\$ -	-\$ 2.10	-100.00%
Ontario Electricity Support Program (OESP)				\$ -	322	\$ -	\$ -	
TOU - Off Peak	\$ 0.0800	192	\$ 15.36	\$ 0.0800	192	\$ 15.36	\$ -	0.00%
TOU - Mid Peak	\$ 0.1220	54	\$ 6.59	\$ 0.1220	54	\$ 6.59	\$ -	0.00%
TOU - On Peak	\$ 0.1610	54	\$ 8.69	\$ 0.1610	54	\$ 8.69	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 66.84			\$ 66.27	-\$ 0.57	-0.85%
HST		13%	\$ 8.69		13%	\$ 8.62	-\$ 0.07	-0.85%
<b>Total Bill (including HST)</b>			\$ 75.53			\$ 74.89	-\$ 0.64	-0.85%
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			-\$ 7.55					
<b>Total Bill on TOU</b>			\$ 67.98			\$ 74.89	\$ 6.91	10.16%

D) Please confirm the Non-RPP residential bill impacts at the 10th percentile for Lakeland Power Service Territory are 5.61%. ((Sub-Total C – Delivery \$ change/Total Bill on TOU (before taxes))

Customer Class:	<b>RESIDENTIAL SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	300	kWh
Demand	-	kW
Current Loss Factor	1.0743	
Proposed/Approved Loss Factor	1.0743	
Ontario Clean Energy Benefit Applied?	Yes	

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 20.23	1	\$ 20.23	\$ 23.66	1	\$ 23.66	\$ 3.43	16.96%
Distribution Volumetric Rate	\$ 0.0148	300	\$ 4.44	\$ 0.0113	300	\$ 3.39	-\$ 1.05	-23.65%
Fixed Rate Riders	\$ -	1	\$ -	\$ 0.17	1	\$ 0.17	\$ 0.17	
Volumetric Rate Riders	\$ -	300	\$ -	\$ 0.0001	300	\$ 0.03	\$ 0.03	
<b>Sub-Total A (excluding pass through)</b>			\$ 24.67			\$ 27.25	\$ 2.58	10.46%
Line Losses on Cost of Power	\$ 0.0954	22	\$ 2.13	\$ 0.0954	22	\$ 2.13	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	300	\$ -	\$ 0.0034	300	\$ 1.02	\$ 1.02	
Low Voltage Service Charge	\$ 0.0034	300	\$ 1.02	\$ 0.0034	300	\$ 1.02	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 28.61			\$ 32.21	\$ 3.60	12.58%
RTSR - Network	\$ 0.0059	322	\$ 1.90	\$ 0.0057	322	\$ 1.84	-\$ 0.06	-3.39%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0042	322	\$ 1.35	\$ 0.0045	322	\$ 1.45	\$ 0.10	7.14%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 31.86			\$ 35.49	\$ 3.63	11.40%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	322	\$ 1.42	\$ 0.0044	322	\$ 1.42	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	322	\$ 0.42	\$ 0.0013	322	\$ 0.42	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	300	\$ 2.10	\$ -	300	\$ -	-\$ 2.10	-100.00%
Ontario Electricity Support Program (OESP)				\$ -	322	\$ -	\$ -	
Non-RPP Retailer Avg. Price	\$ 0.0954	300	\$ 28.62	\$ 0.0954	300	\$ 28.62	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 64.67			\$ 66.20	\$ 1.53	2.37%
HST	13%		\$ 8.41	13%		\$ 8.61	\$ 0.20	2.37%
<b>Total Bill (including HST)</b>			\$ 73.08			\$ 74.81	\$ 1.73	2.37%
<i>Ontario Clean Energy Benefit <sup>1</sup></i>			-\$ 7.31					
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 65.77			\$ 74.81	\$ 9.04	13.75%

### Interrogatory #8 – Response

- A) Confirmed -  $\$1.17/\$72.86 = 1.61\%$
- B) Confirmed -  $\$1.17/\$70.68 = 1.66\%$
- C) Confirmed -  $\$1.53/\$66.27 = 2.31\%$
- D) Confirmed -  $\$3.63/\$66.20 = 5.48\%$

## **Interrogatory #9**

### **Ref: Chapter 3 Filing Requirements for Electricity Distribution Rate Applications 3.2.5.2 Global Adjustment**

Chapter 3 section 3.2.5.2 of the filing requirements states “As a new addition for 2016 applications, a distributor must now provide a description of its settlement process with the IESO or host distributor. It must specify the GA rate it uses when billing its customers (1st estimate, 2nd estimate or actual) for each rate class, itemize its process for providing consumption estimates to the IESO, and describe the true-up process to reconcile estimates of RPP and non-RPP consumption once actuals are known. The description should detail the distributor’s method for estimating RPP and non-RPP consumption, as well as its treatment of embedded generation or any embedded distribution customers. Distributors are reminded that they are expected to use accrual accounting.”

Please provide the description as indicated above for settling the GA with the IESO.

## **Interrogatory #9 – Response**

### **Lakeland Power Distribution Ltd. IESO/Host Distributor Settlement Process**

#### Settlement Submissions

*Lakeland Power Distribution Ltd. (LPDL) submits 2 monthly settlements effective July 2014:*

- *1 monthly settlement to Hydro One - submitted by the 2<sup>nd</sup> business day after the calendar month end for LPDL’s territory that is embedded within Hydro One (Host Distributor)*
- *1 monthly settlement to IESO - submitted by the 4<sup>th</sup> business day after the calendar month end for Parry Sound’s LPDL territory that is connected to the IESO.*

#### Global Adjustment (GA)

*LPDL uses the 1<sup>st</sup> Estimate GA Rate to bill its customers for all applicable rate classes.*

#### Consumption Estimates

*LPDL uses the same methodology and spreadsheet model for each of the settlement submissions. LPDL settles monthly for the difference between WAP (provided monthly by LPDL’s retail settlement provider) and TOU/RPP pricing for TOU/RPP customer kWh consumption.*

*Total kWh purchased = Wholesale kWh purchased (purchased from IESO/Host Distributor) + Embedded Generation kWh purchased.*

*TOU kWh consumption = TOU kWh actual meter data (split into ON/MID/OFF blocks by customer meter) for the calendar month, is received on day 1 following*

month end from LPDL's ODS provider. This consumption is then reduced by the kWh of those customers that are signed on with a retailer contract (use % split by customer class from current month billing stats).

RPP kWh consumption = Total kWh purchased – TOU kWh – Non-RPP interval kWh consumption that pay spot price (based on actual meter data for the calendar month from retail settlement provider). This consumption is then also reduced by the kWh of those customers that are signed on with a retailer contract (use % split by customer class from current month billing stats). This RPP kWh is then split between Tier 1 and Tier 2 based on % split by customer class from current month billing stats. This is compared with monthly billing stats for reasonability.

#### Settlement of RPP GA

The 2<sup>nd</sup> Estimate monthly GA rate is applied to the TOU/RPP kWh consumption to estimate the RPP portion of GA cost that is included for settlement with the IESO/Host Distributor. On the following month submission, this TOU/RPP kWh consumption is trued up to the Actual monthly GA rate once it is published, and the difference between the 2<sup>nd</sup> Estimate GA rate and Actual GA Rate is settled. The monthly RPP portion of GA is allocated to 4705-Cost of Power with the remainder of the Class B GA line on the IESO/Host Distributor invoice allocated to 4707-Global Adjustment (to reflect only the GA cost for non-RPP kWh).

#### True-Up Reconciliation Process

Throughout the year, the above TOU/RPP kWh monthly consumptions are trued up to actual TOU/RPP kWh monthly billing stats and any differences are incorporated into the settlement process. Actual monthly billing stats are based on calendar month consumption which are matched accordingly to actual monthly WAP, Actual GA and TOU/RPP prices.

#### Embedded Generation

LPDL incorporates kWh purchased from embedded generation (HCI, RESOP, microFIT and FIT) each month. The settlement with the IESO/Host Distributor for this embedded generation is the difference between the approved OPA contract price for each generator and HOEP for each hour of kWh generated by each generator (provided monthly by retail settlement provider).

## *Appendix A*

*OPA Annual CDM Report 2012 – Final  
Verified Results for Lakeland Power  
Distribution Ltd.*



**Message from the Vice President:**

The OPA is pleased to provide you with the enclosed Final 2012 Results Report. We have seen a 39% increase in energy savings for our new province-wide 2011-2014 suite of saveONenergy initiatives. Overall progress to targets is moving up with 29% of demand and 65% of energy savings achieved. Many LDCs, both large and small, continue to stay on track to meet or exceed their OEB targets. Conservation programs continue to be a valuable and cost effective resource for customers across the province, over the past two years the program cost to consumers remains within 3 cents per kWh.

Further to programmatic savings, capability building efforts launched in 2011 are yielding healthy enabled savings through Embedded Energy Managers and Audit initiative projects. The strong momentum continues in 2013.

We remain committed to ensuring LDCs are successful in meeting their objectives and our collective efforts to date have improved the current program suite by offering more local program opportunities, implementing a new expedited change management process, and enhancing incentives to make it easier for customers to participate in programs. We invite you to continue to provide your feedback to us and to celebrate our successes as we move forward.

The format of this report was developed in collaboration with the OPA-LDC Reporting and Evaluation Working Group and is designed to help populate LDC annual report templates that will be submitted to the OEB in late September. All results are now considered final for 2012. Any additional 2012 program activity not captured will be reported in the Final 2013 Results Report.

Please continue to monitor saveONenergy E-blasts for any further updates and should you have any other questions or comments please contact [LDC.Support@powerauthority.on.ca](mailto:LDC.Support@powerauthority.on.ca).

We appreciate your ongoing collaboration and cooperation throughout the reporting and evaluation process. We look forward to another successful year.

Sincerely,

Andrew Pride



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## OPA-Contracted Province-Wide CDM Programs FINAL 2012 Results

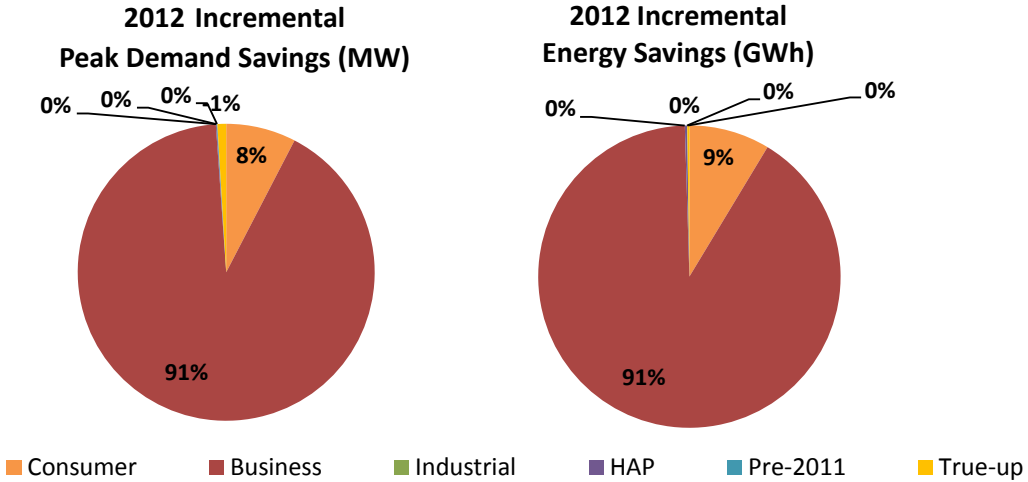
**LDC:** Lakeland Power Distribution Ltd.

FINAL 2012 Progress to Targets	2012 Incremental	Program-to-Date Progress to Target (Scenario 1)	Scenario 1: % of Target Achieved	Scenario 2: % of Target Achieved
<b>Net Annual Peak Demand Savings (MW)</b>	0.3	0.4	<b>18.0%</b>	<b>18.0%</b>
<b>Net Energy Savings (GWh)</b>	1.3	6.2	<b>60.8%</b>	<b>60.8%</b>

**Scenario 1** = Assumes that demand resource resources have a persistence of 1 year

**Scenario 2** = Assumes that demand response resources remain in your territory until 2014

### Achievement by Sector



### Comparison: Your Achievement vs. LDC Community Achievement (Progress to Target)

The following graphs assume that demand response resources remain in your territory until 2014 (aligns with Scenario 2)

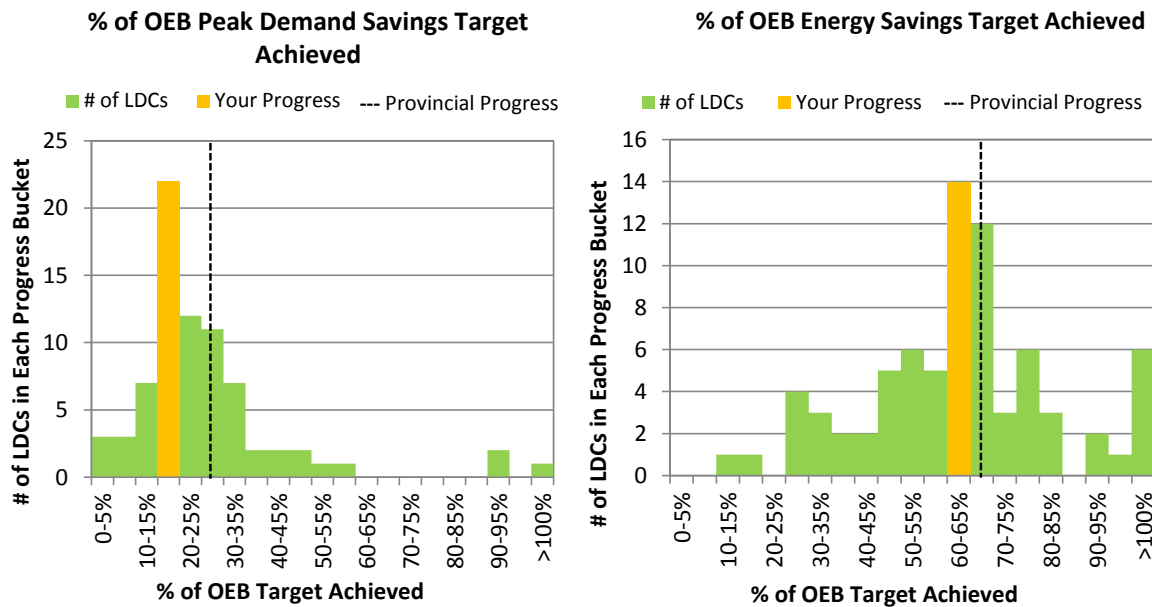


Table 1: Lakeland Power Distribution Ltd. Initiative and Program Level Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
<b>Consumer Program</b>															
Appliance Retirement	Appliances	130	69			8	4			56,010	27,217			12	305,488
Appliance Exchange	Appliances	8	21			1	3			1,222	5,118			3	19,930
HVAC Incentives	Equipment	51	52			16	14			31,420	25,551			30	202,333
Conservation Instant Coupon Booklet	Items	1,049	63			2	0			39,191	2,862			3	165,350
Bi-Annual Retailer Event	Items	1,781	2,171			3	3			60,143	54,810			6	405,004
Retailer Co-op	Items	0	0			0	0			0	0			0	0
Residential Demand Response (switch/pstat)	Devices	0	0			0	0			0	0			0	0
Residential Demand Response (IHD)	Devices	0	0			0				0					
Residential New Construction	Homes	0	1			0	0			0	411			0	1,232
<b>Consumer Program Total</b>						<b>31</b>	<b>24</b>			<b>187,986</b>	<b>115,968</b>			<b>54</b>	<b>1,099,336</b>
<b>Business Program</b>															
Retrofit	Projects	7	10			19	55			191,089	334,109			73	1,766,680
Direct Install Lighting	Projects	51	260			57	234			142,766	884,950			287	3,213,838
Building Commissioning	Buildings	0	0			0	0			0	0			0	0
New Construction	Buildings	0	0			0	0			0	0			0	0
Energy Audit	Audits	0	0			0	0			0	0			0	0
Small Commercial Demand Response	Devices	0	0			0	0			0	0			0	0
Small Commercial Demand Response (IHD)	Devices	0	0			0				0				0	0
Demand Response 3	Facilities	0	0			0	0			0	0			0	0
<b>Business Program Total</b>						<b>76</b>	<b>289</b>			<b>333,854</b>	<b>1,219,059</b>			<b>361</b>	<b>4,980,518</b>
<b>Industrial Program</b>															
Process & System Upgrades	Projects	0	0			0	0			0	0			0	0
Monitoring & Targeting	Projects	0	0			0	0			0	0			0	0
Energy Manager	Projects	0	0			0	0			0	0			0	0
Retrofit	Projects	0	0			0	0			0	0			0	0
Demand Response 3	Facilities	0	0			0	0			0	0			0	0
<b>Industrial Program Total</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>
<b>Home Assistance Program</b>															
Home Assistance Program	Homes	0	4			0	0			0	3,259			0	9,776
<b>Home Assistance Program Total</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>3,259</b>			<b>0</b>	<b>9,776</b>
<b>Pre-2011 Programs completed in 2011</b>															
Electricity Retrofit Incentive Program	Projects	1	0			4	0			25,081	0			4	100,323
High Performance New Construction	Projects	0	0			0	0			571	224			0	2,958
Toronto Comprehensive	Projects	0	0			0	0			0	0			0	0
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0			0	0			0	0
LDC Custom Programs	Projects	0	0			0	0			0	0			0	0
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>4</b>	<b>0</b>			<b>25,652</b>	<b>224</b>			<b>5</b>	<b>103,281</b>
<b>Other</b>															
Program Enabled Savings	Projects	0	0			0	0			0	0			0	0
Time-of-Use Savings	Homes														
<b>Other Total</b>							<b>0</b>				<b>0</b>			<b>0</b>	<b>0</b>
<b>Adjustments to Previous Year's Verified Results</b>							<b>-3</b>				<b>-843</b>			<b>-3</b>	<b>-3,371</b>
<b>Energy Efficiency Total</b>						<b>111</b>	<b>314</b>			<b>547,493</b>	<b>1,338,509</b>			<b>420</b>	<b>6,192,911</b>
<b>Demand Response Total (Scenario 1)</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>
<b>OPA-Contracted LDC Portfolio Total (inc. Adjustments)</b>						<b>111</b>	<b>311</b>			<b>547,493</b>	<b>1,337,666</b>			<b>417</b>	<b>6,189,540</b>
Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.												Due to the limited timeframe of data, which didn't include the summer months, 2012 IHD results have been deemed inconclusive. The IHD line item on the 2012 annual report will be left blank. Once a full year of data is available (2013 evaluation), and the savings are quantified, 2012 results will be updated to reflect the quantified savings.			
												Full OEB Target:		<b>2,320</b>	<b>10,180,000</b>
												% of Full OEB Target Achieved to Date (Scenario 1):		<b>18.0%</b>	<b>60.8%</b>

Table 2: Adjustments to Lakeland Power Distribution Ltd. Verified Results due to Errors or Omissions (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
<b>Consumer Program</b>															
Appliance Retirement	Appliances	0				0				0				0	0
Appliance Exchange	Appliances	0				0				0				0	0
HVAC Incentives	Equipment	-11				-3				-6,590				-3	-26,360
Conservation Instant Coupon Booklet	Items	17				0				564				0	2,257
Bi-Annual Retailer Event	Items	167				0				4,468				0	17,874
Retailer Co-op	Items	0				0				0				0	0
Residential Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Residential Demand Response (IHD)	Devices	0				0				0				0	0
Residential New Construction	Homes	2				0				715				0	2,859
<b>Consumer Program Total</b>						<b>-3</b>				<b>-843</b>				<b>-3</b>	<b>-3,371</b>
<b>Business Program</b>															
Retrofit	Projects	0				0				0				0	0
Direct Install Lighting	Projects	0				0				0				0	0
Building Commissioning	Buildings	0				0				0				0	0
New Construction	Buildings	0				0				0				0	0
Energy Audit	Audits	0				0				0				0	0
Small Commercial Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Small Commercial Demand Response (IHD)	Devices	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
<b>Business Program Total</b>						<b>0</b>				<b>0</b>				<b>0</b>	<b>0</b>
<b>Industrial Program</b>															
Process & System Upgrades	Projects	0				0				0				0	0
Monitoring & Targeting	Projects	0				0				0				0	0
Energy Manager	Projects	0				0				0				0	0
Retrofit	Projects	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
<b>Industrial Program Total</b>						<b>0</b>				<b>0</b>				<b>0</b>	<b>0</b>
<b>Home Assistance Program</b>															
Home Assistance Program	Homes	0				0				0				0	0
<b>Home Assistance Program Total</b>						<b>0</b>				<b>0</b>				<b>0</b>	<b>0</b>
<b>Pre-2011 Programs completed in 2011</b>															
Electricity Retrofit Incentive Program	Projects	0				0				0				0	0
High Performance New Construction	Projects	0				0				0				0	0
Toronto Comprehensive	Projects	0				0				0				0	0
Multifamily Energy Efficiency Rebates	Projects	0				0				0				0	0
LDC Custom Programs	Projects	0				0				0				0	0
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>0</b>				<b>0</b>				<b>0</b>	<b>0</b>
<b>Other</b>															
Program Enabled Savings	Projects	0				0				0				0	0
Time-of-Use Savings	Homes														
<b>Other Total</b>						<b>0</b>				<b>0</b>				<b>0</b>	<b>0</b>
<b>Adjustments to Previous Year's Verified Results</b>						<b>-3</b>				<b>-843</b>				<b>-3</b>	<b>-3,371</b>

\* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.

**Table 3: Lakeland Power Distribution Ltd. Realization Rate & NTG**

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>																
Appliance Retirement		1.00				0.46				1.00				0.47		
Appliance Exchange		1.00				0.52				1.00				0.52		
HVAC Incentives		1.00				0.49				1.00				0.49		
Conservation Instant Coupon Booklet		1.00				1.00				1.00				1.05		
Bi-Annual Retailer Event		1.00				0.91				1.00				0.92		
Retailer Co-op		n/a				n/a				n/a				n/a		
Residential Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Residential Demand Response (IHD)		n/a				n/a				n/a				n/a		
Residential New Construction		3.79				0.49				2.78				0.49		
<b>Business Program</b>																
Retrofit		0.99				0.80				1.22				0.80		
Direct Install Lighting		0.68				0.94				0.85				0.94		
Building Commissioning		n/a				n/a				n/a				n/a		
New Construction		n/a				n/a				n/a				n/a		
Energy Audit		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (IHD)		n/a				n/a				n/a				n/a		
Demand Response 3*		n/a				n/a				n/a				n/a		
<b>Industrial Program</b>																
Process & System Upgrades		n/a				n/a				n/a				n/a		
Monitoring & Targeting		n/a				n/a				n/a				n/a		
Energy Manager		n/a				n/a				n/a				n/a		
Retrofit																
Demand Response 3*		n/a				n/a				n/a				n/a		
<b>Home Assistance Program</b>																
Home Assistance Program		0.81				1.00				0.98				1.00		
<b>Pre-2011 Programs completed in 2011</b>																
Electricity Retrofit Incentive Program		n/a				n/a				n/a				n/a		
High Performance New Construction		1.00				0.50				1.00				0.50		
Toronto Comprehensive		n/a				n/a				n/a				n/a		
Multifamily Energy Efficiency Rebates		n/a				n/a				n/a				n/a		
LDC Custom Programs		n/a				n/a				n/a				n/a		
<b>Other</b>																
Program Enabled Savings		n/a				n/a				n/a				n/a		
Time-of-Use Savings		n/a				n/a				n/a				n/a		

## Progress Towards CDM Targets

Results are attributed to target using current OPA reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year. Please see methodology tab for more detailed information.

### Table 4: Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	0.1	0.1	0.1	0.1
2012 - Verified		0.3	0.3	0.3
2013				
2014				
<b>Verified Net Annual Peak Demand Savings Persisting in 2014:</b>				<b>0.4</b>
<b>Lakeland Power Distribution Ltd. 2014 Annual CDM Capacity Target</b>				<b>2.3</b>
<b>Verified Portion of Peak Demand Savings Target Achieved in 2014(%):</b>				<b>18.0%</b>

### Table 5: Net Energy Savings at the End User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	0.5	0.5	0.5	0.5	2.2
2012 - Verified		1.3	1.3	1.3	4.0
2013					
2014					
<b>Verified Net Cumulative Energy Savings 2011-2014:</b>					<b>6.2</b>
<b>Lakeland Power Distribution Ltd. 2011-2014 Annual CDM Energy Target</b>					<b>10.2</b>
<b>Verified Portion of Cumulative Energy Target Achieved (%):</b>					<b>60.8%</b>

\*2011 energy adjustments included in cumulative energy savings.

**Table 6: Province-Wide Initiatives and Program Level Savings by Year**

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
<b>Consumer Program</b>															
Appliance Retirement	Appliances	56,110	34,146			3,299	2,011			23,005,812	13,424,518			5,171	132,176,857
Appliance Exchange	Appliances	3,688	3,836			371	556			450,187	974,621			689	4,512,525
HVAC Incentives	Equipment	111,587	85,221			32,037	19,060			59,437,670	32,841,283			51,097	336,274,530
Conservation Instant Coupon Booklet	Items	559,462	30,891			1,344	230			21,211,537	1,398,202			1,575	89,040,754
Bi-Annual Retailer Event	Items	870,332	1,060,901			1,681	1,480			29,387,468	26,781,674			3,161	197,894,897
Retailer Co-op	Items	152	0			0	0			2,652	0			0	10,607
Residential Demand Response (switch/pstat)*	Devices	19,550	98,388			10,947	49,038			24,870	359,408			0	384,279
Residential Demand Response (IHD)	Devices	0	49,689			0				0					
Residential New Construction	Homes	7	19			0	2			743	17,152			2	54,430
<b>Consumer Program Total</b>						<b>49,681</b>	<b>72,377</b>			<b>133,520,941</b>	<b>75,796,859</b>			<b>61,696</b>	<b>760,348,879</b>
<b>Business Program</b>															
Retrofit	Projects	2,516	5,605			24,467	61,147			136,002,258	314,922,468			84,018	1,480,647,459
Direct Install Lighting	Projects	20,297	18,494			23,724	15,284			61,076,701	57,345,798			31,181	391,072,869
Building Commissioning	Buildings	0	0			0	0			0	0			0	0
New Construction	Buildings	10	69			123	764			411,717	1,814,721			888	7,091,031
Energy Audit	Audits	103	280			0	1,450			0	7,049,351			1,450	21,148,054
Small Commercial Demand Response	Devices	132	294			84	187			157	1,068			0	1,224
Small Commercial Demand Response (IHD)	Devices	0	0			0				0				0	0
Demand Response 3*	Facilities	145	151			16,218	19,389			633,421	281,823			0	915,244
<b>Business Program Total</b>						<b>64,617</b>	<b>98,221</b>			<b>198,124,253</b>	<b>381,415,230</b>			<b>117,535</b>	<b>1,900,875,881</b>
<b>Industrial Program</b>															
Process & System Upgrades	Projects	0	0			0	0			0	0			0	0
Monitoring & Targeting	Projects	0	0			0	0			0	0			0	0
Energy Manager	Projects	0	39			0	1,086			0	7,372,108			1,086	22,116,324
Retrofit	Projects	433				4,615				28,866,840				4,613	115,462,282
Demand Response 3*	Facilities	124	185			52,484	74,056			3,080,737	1,784,712			0	4,865,449
<b>Industrial Program Total</b>						<b>57,098</b>	<b>75,141</b>			<b>31,947,577</b>	<b>9,156,820</b>			<b>5,699</b>	<b>142,444,054</b>
<b>Home Assistance Program</b>															
Home Assistance Program	Homes	46	5,033			2	566			39,283	5,442,232			569	16,483,831
<b>Home Assistance Program Total</b>						<b>2</b>	<b>566</b>			<b>39,283</b>	<b>5,442,232</b>			<b>569</b>	<b>16,483,831</b>
<b>Pre-2011 Programs completed in 2011</b>															
Electricity Retrofit Incentive Program	Projects	2,016	0			21,662	0			121,138,219	0			21,662	484,552,876
High Performance New Construction	Projects	145	69			5,098	3,251			26,185,591	11,901,944			8,349	140,448,197
Toronto Comprehensive	Projects	577	0			15,805	0			86,964,886	0			15,805	347,859,545
Multifamily Energy Efficiency Rebates	Projects	110	0			1,981	0			7,595,683	0			1,981	30,382,733
LDC Custom Programs	Projects	8	0			399	0			1,367,170	0			399	5,468,679
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>44,945</b>	<b>3,251</b>			<b>243,251,550</b>	<b>11,901,944</b>			<b>48,195</b>	<b>1,008,712,030</b>
<b>Other</b>															
Program Enabled Savings	Projects	0	16			0	2,304			0	1,188,362			2,304	3,565,086
Time-of-Use Savings	Homes														
<b>Other Total</b>							<b>2,304</b>				<b>1,188,362</b>			<b>2,304</b>	<b>3,565,086</b>
<b>Adjustments to Previous Year's Verified Results</b>							<b>1,406</b>				<b>18,689,081</b>			<b>1,156</b>	<b>73,918,598</b>
<b>Energy Efficiency Total</b>						<b>136,610</b>	<b>109,191</b>			<b>603,144,419</b>	<b>482,474,435</b>			<b>235,998</b>	<b>3,826,263,564</b>
<b>Demand Response Total (Scenario 1)</b>						<b>79,733</b>	<b>142,670</b>			<b>3,739,185</b>	<b>2,427,011</b>			<b>0</b>	<b>6,166,196</b>
<b>OPA-Contracted LDC Portfolio Total (inc. Adjustments)</b>						<b>216,343</b>	<b>253,267</b>			<b>606,883,604</b>	<b>503,590,526</b>			<b>237,154</b>	<b>3,906,348,358</b>
* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.												Due to the limited timeframe of data, which didn't include the summer months, 2012 IHD results have been deemed inconclusive. The IHD line item on the 2012 annual report will be left blank. Once a full year of data is available (2013 evaluation), and the savings are quantified, 2012 results will be updated to reflect the quantified savings.			
												<b>Full OEB Target:</b>		<b>1,330,000</b>	<b>6,000,000,000</b>
												<b>% of Full OEB Target Achieved to Date (Scenario 1):</b>		<b>17.8%</b>	<b>65.1%</b>

**Table 7: Adjustments to Province-Wide Verified Results due to Errors & Omissions (Scenario 1)**

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
<b>Consumer Program</b>															
Appliance Retirement	Appliances	0				0				0				0	0
Appliance Exchange	Appliances	0				0				0				0	0
HVAC Incentives	Equipment	-18,866				-5,278				-9,721,817				-5,278	-38,887,267
Conservation Instant Coupon Booklet	Items	8,216				16				275,655				16	1,102,621
Bi-Annual Retailer Event	Items	81,817				108				2,183,391				108	8,733,563
Retailer Co-op	Items	0				0				0				0	0
Residential Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Residential Demand Response (IHD)	Devices	0				0				0				0	0
Residential New Construction	Homes	19				1				13,767				1	55,069
<b>Consumer Program Total</b>						<b>-5,153</b>				<b>-7,249,004</b>				<b>-5,153</b>	<b>-28,996,015</b>
<b>Business Program</b>															
Retrofit	Projects	303				3,204				16,216,165				3,083	64,398,674
Direct Install Lighting	Projects	444				501				1,250,388				372	4,624,945
Building Commissioning	Buildings	0				0				0				0	0
New Construction	Buildings	12				828				3,520,620				828	14,082,482
Energy Audit	Audits	93				481				2,341,392				481	9,365,567
Small Commercial Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Small Commercial Demand Response (IHD)	Devices	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
<b>Business Program Total</b>						<b>5,014</b>				<b>23,328,565</b>				<b>4,764</b>	<b>92,471,668</b>
<b>Industrial Program</b>															
Process & System Upgrades	Projects	0				0				0				0	0
Monitoring & Targeting	Projects	0				0				0				0	0
Energy Manager	Projects	0				0				0				0	0
Retrofit	Projects	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
<b>Industrial Program Total</b>						<b>0</b>				<b>0</b>				<b>0</b>	<b>0</b>
<b>Home Assistance Program</b>															
Home Assistance Program	Homes	0				0				0				0	0
<b>Home Assistance Program Total</b>						<b>0</b>				<b>0</b>				<b>0</b>	<b>0</b>
<b>Pre-2011 Programs completed in 2011</b>															
Electricity Retrofit Incentive Program	Projects	12				138				545,536				138	2,182,145
High Performance New Construction	Projects	34				1,407				2,065,200				1,407	8,260,800
Toronto Comprehensive	Projects	0				0				0				0	0
Multifamily Energy Efficiency Rebates	Projects	0				0				0				0	0
LDC Custom Programs	Projects	0				0				0				0	0
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>1,545</b>				<b>2,610,736</b>				<b>1,545</b>	<b>10,442,945</b>
<b>Other</b>															
Program Enabled Savings	Projects	0				0				0				0	0
Time-of-Use Savings	Homes														
<b>Other Total</b>						<b>0</b>				<b>0</b>				<b>0</b>	<b>0</b>
<b>Adjustments to Previous Year's Verified Results</b>						<b>1,406</b>				<b>18,690,297</b>				<b>1,156</b>	<b>73,918,598</b>

\* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.

**Table 8: Province-Wide Realization Rate & NTG**

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>																
Appliance Retirement		1.00				0.46				1.00				0.47		
Appliance Exchange		1.00				0.52				1.00				0.52		
HVAC Incentives		1.00				0.50				1.00				0.49		
Conservation Instant Coupon Booklet		1.00				1.00				1.00				1.05		
Bi-Annual Retailer Event		1.00				0.91				1.00				0.92		
Retailer Co-op		n/a				n/a				n/a				n/a		
Residential Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Residential Demand Response (IHD)		n/a				n/a				n/a				n/a		
Residential New Construction		3.65				0.49				7.17				0.49		
<b>Business Program</b>																
Retrofit		0.93				0.75				1.05				0.76		
Direct Install Lighting		0.69				0.94				0.85				0.94		
Building Commissioning		n/a				n/a				n/a				n/a		
New Construction		0.98				0.49				0.99				0.49		
Energy Audit		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (IHD)		n/a				n/a				n/a				n/a		
Demand Response 3*		n/a				n/a				n/a				n/a		
<b>Industrial Program</b>																
Process & System Upgrades		n/a				n/a				n/a				n/a		
Monitoring & Targeting		n/a				n/a				n/a				n/a		
Energy Manager		1.16				0.90				1.16				0.90		
Retrofit																
Demand Response 3*		n/a				n/a				n/a				n/a		
<b>Home Assistance Program</b>																
Home Assistance Program		0.32				1.00				0.99				1.00		
<b>Pre-2011 Programs completed in 2011</b>																
Electricity Retrofit Incentive Program		n/a				n/a				n/a				n/a		
High Performance New Construction		1.00				0.50				1.00				0.50		
Toronto Comprehensive		n/a				n/a				n/a				n/a		
Multifamily Energy Efficiency Rebates		n/a				n/a				n/a				n/a		
LDC Custom Programs		n/a				n/a				n/a				n/a		
<b>Other</b>																
Program Enabled Savings		1.06				1.00				2.26				1.00		
Time-of-Use Savings		n/a				n/a				n/a				n/a		



## Summary - Provincial Progress

**Table 9: Province-Wide Net Peak Demand Savings at the End User Level (MW)**

Implementation Period	Annual			
	2011	2012	2013	2014
2011	216.3	136.6	135.8	129.0
2012		253.3	109.8	108.2
2013				
2014				
<b>Verified Net Annual Peak Demand Savings in 2014:</b>				<b>237.2</b>
<b>2014 Annual CDM Capacity Target</b>				<b>1,330</b>
<b>Verified Peak Demand Savings Target Achieved - 2011 (%):</b>				<b>17.8%</b>

**Table 10: Province-Wide Net Energy Savings at the End-User Level (GWh)**

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011	606.9	603.0	601.0	582.3	2,393
2012		503.6	498.4	492.6	1,513
2013					
2014					
<b>Verified Net Cumulative Energy Savings 2011-2014:</b>					<b>3,906</b>
<b>2011-2014 Cumulative CDM Energy Target:</b>					<b>6,000</b>
<b>Verified Portion of Energy Target Achieved - 2011 (%):</b>					<b>65.1%</b>

\*2011 energy adjustments included in cumulative energy savings.

## METHODOLOGY

All results are at the end-user level (not including transmission and distribution losses)

EQUATIONS	
Prescriptive Measures and Projects	<p><b>Gross Savings</b> = Activity * Per Unit Assumption  <b>Net Savings</b> = Gross Savings * Net-to-Gross Ratio                      All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)</p>
Engineered and Custom Projects	<p><b>Gross Savings</b> = Reported Savings * Realization Rate  <b>Net Savings</b> = Gross Savings * Net-to-Gross Ratio                      All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)</p>
Demand Response	<p><b>Peak Demand: Gross Savings = Net Savings</b> = contracted MW at contributor level * Provincial contracted to ex ante ratio  <b>Energy: Gross Savings = Net Savings</b> = provincial ex post energy savings * LDC proportion of total provincial contracted MW                      All savings are annualized (i.e. the savings are the same regardless of the time of year a participant began offering DR)</p>
Adjustments to Previous Year's Verified Results	<p>All errors and omissions from the prior years Final Annual Results report will be adjusted within this report. Any errors and omissions with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the cumulative effect of energy savings.</p>

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
<b>Consumer Program</b>			
Appliance Retirement	Includes both retail and home pickup stream; Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection	Savings are considered to begin in the year the appliance is picked up.	<p><b>Peak demand and energy savings</b> are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.</p>
Appliance Exchange	When postal code information is provided by customer, results are directly attributed to the LDC. When postal code is not available, results allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year that the exchange event occurred	
HVAC Incentives	Results directly attributed to LDC based on customer postal code	Savings are considered to begin in the year that the installation occurred	

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year in which the coupon was redeemed.	<p><b>Peak demand and energy savings</b> are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.</p>
Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year in which the event occurs.	
Retailer Co-op	When postal code information is provided by the customer, results are directly attributed. If postal code information is not available, results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year of the home visit and installation date.	<p><b>Peak demand and energy savings</b> are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.</p>
Residential Demand Response	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a <i>peaksaver</i> PLUS™ participant agreement.	<p><b>Peak demand savings</b> are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. <b>Energy savings</b> are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year and accounts for any "snapback" in energy consumption experienced after the event. Savings are assumed to <b>persist</b> for only 1 year, reflecting that savings will only occur if the resource is activated.</p>

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year of the project completion date.	<b>Peak demand and energy savings</b> are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
<b>Business Program</b>			
Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	<b>Peak demand and energy savings</b> are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
<b>Additional Note:</b> project counts were derived by filtering out "Application Status" = "Post-Project Submission - Payment denied by LDC" and only including projects with an "Actual Project Completion Date" in 2012 and pulling both the "Application Name" field followed by the "Building Address 1" field from the Post Stage Retrofit Report and finally performing a count of the Building Addresses.			

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order	Savings are considered to begin in the year of the actual project completion date.	<b>Peak demand and energy savings</b> are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year of the actual project completion date.	<b>Peak demand and energy savings</b> are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	<b>Peak demand and energy savings</b> are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application	Savings are considered to begin in the year of the audit date.	<b>Peak demand and energy savings</b> are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Commercial Demand Response (part of the Residential program schedule)	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a <b>peaksaver PLUS™</b> participant agreement.	<b>Peak demand savings</b> are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. <b>Energy savings</b> are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year. Savings are assumed to <b>persist</b> for only 1 year, reflecting that savings will only occur if the resource is activated.
Demand Response 3 (part of the Industrial program schedule)	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	<b>Peak demand savings</b> are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. <b>Energy savings</b> are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
<b>Industrial Program</b>			
Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the incentive project was completed.	<b>Peak demand and energy savings</b> are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the incentive project was completed.	<b>Peak demand and energy savings</b> are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Energy Manager	Results are directly attributed to LDC based on LDC identified in the application; No completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	<b>Peak demand and energy savings</b> are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	<b>Peak demand and energy savings</b> are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Demand Response 3	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	<b>Peak demand savings</b> are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. <b>Energy savings</b> are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
<b>Home Assistance Program</b>			



Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	<b>Peak demand and energy savings</b> are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
<b>Pre-2011 Programs completed in 2011</b>			
Electricity Retrofit Incentive Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	<b>Peak demand and energy savings</b> are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). <b>If energy savings are not available</b> , an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results ( <a href="http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports">http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports</a> ).
High Performance New Construction	Results are directly attributed to LDC based on customer data provided to the OPA from Enbridge; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	
Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Limited service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Multifamily Energy Efficiency Rebates	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	<p><b>Peak demand and energy savings</b> are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&amp;V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). <b>If energy savings are not available</b>, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (<a href="http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports">http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports</a>).</p>
Data Centre Incentive Program	Program run exclusively in PowerStream Inc. service territory; Initiative was not evaluated in 2011, assumptions as per 2009 evaluation		
EnWin Green Suites	Program run exclusively in ENWIN Utilities Ltd. service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation		

### ERII Sector (C&I vs. Industrial Mapping)

Building Type	Sector
Agribusiness - Cattle Farm	C&I
Agribusiness - Dairy Farm	C&I
Agribusiness - Greenhouse	C&I
Agribusiness - Other	C&I
Agribusiness - Other,Mixed-Use - Office/Retail	C&I
Agribusiness - Other,Office,Retail,Warehouse	C&I
Agribusiness - Other,Office,Warehouse	C&I
Agribusiness - Poultry	C&I
Agribusiness - Poultry,Hospitality - Motel	C&I
Agribusiness - Swine	C&I
Convenience Store	C&I
Education - College / Trade School	C&I
Education - College / Trade School,Multi-Residential - Condominium	C&I
Education - College / Trade School,Multi-Residential - Rental Apartment	C&I
Education - College / Trade School,Retail	C&I
Education - Primary School	C&I
Education - Primary School,Education - Secondary School	C&I
Education - Primary School,Multi-Residential - Rental Apartment	C&I
Education - Primary School,Not-for-Profit	C&I
Education - Secondary School	C&I
Education - University	C&I
Education - University,Office	C&I
Hospital/Healthcare - Clinic	C&I
Hospital/Healthcare - Clinic,Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Clinic,Industrial	C&I
Hospital/Healthcare - Clinic,Retail	C&I
Hospital/Healthcare - Long-term Care	C&I
Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail,Office	C&I
Hospitality - Hotel	C&I
Hospitality - Hotel,Restaurant - Dining	C&I
Hospitality - Motel	C&I
Industrial	Industrial
Mixed-Use - Office/Retail	C&I
Mixed-Use - Office/Retail,Industrial	Industrial
Mixed-Use - Office/Retail,Mixed-Use - Other	C&I
Mixed-Use - Office/Retail,Mixed-Use - Other,Not-for-Profit,Warehouse	C&I
Mixed-Use - Office/Retail,Mixed-Use - Residential/Retail	C&I
Mixed-Use - Office/Retail,Office,Restaurant - Dining,Restaurant - Quick Serve,Retail,Warehouse	C&I

Mixed-Use - Office/Retail,Office,Warehouse	C&I
Mixed-Use - Office/Retail,Retail	C&I
Mixed-Use - Office/Retail,Warehouse	C&I
Mixed-Use - Office/Retail,Warehouse,Industrial	Industrial
Mixed-Use - Other	C&I
Mixed-Use - Other,Industrial	Industrial
Mixed-Use - Other,Not-for-Profit,Office	C&I
Mixed-Use - Other,Office	C&I
Mixed-Use - Other,Other: Please specify	C&I
Mixed-Use - Other,Retail,Warehouse	C&I
Mixed-Use - Other,Warehouse	C&I
Mixed-Use - Residential/Retail	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Condominium	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Rental Apartment	C&I
Mixed-Use - Residential/Retail,Retail	C&I
Multi-Residential - Condominium	C&I
Multi-Residential - Condominium,Multi-Residential - Rental Apartment	C&I
Multi-Residential - Condominium,Other: Please specify	C&I
Multi-Residential - Rental Apartment	C&I
Multi-Residential - Rental Apartment,Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Warehouse	C&I
Multi-Residential - Social Housing Provider	C&I
Multi-Residential - Social Housing Provider,Industrial	C&I
Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Not-for-Profit	C&I
Not-for-Profit,Office	C&I
Not-for-Profit,Other: Please specify	C&I
Not-for-Profit,Warehouse	C&I
Office	C&I
Office,Industrial	Industrial
Office,Other: Please specify	C&I
Office,Other: Please specify,Warehouse	C&I
Office,Restaurant - Dining	C&I
Office,Restaurant - Dining,Industrial	Industrial
Office,Retail	C&I
Office,Retail,Industrial	C&I
Office,Retail,Warehouse	C&I
Office,Warehouse	C&I
Office,Warehouse,Industrial	Industrial
Other: Please specify	C&I
Other: Please specify,Industrial	Industrial
Other: Please specify,Retail	C&I
Other: Please specify,Warehouse	C&I
Restaurant - Dining	C&I
Restaurant - Dining,Retail	C&I

Restaurant - Quick Serve	C&I
Restaurant - Quick Serve,Retail	C&I
Retail	C&I
Retail,Industrial	Industrial
Retail,Warehouse	C&I
Warehouse	C&I
Warehouse,Industrial	Industrial

### Consumer Program Allocation Methodology

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

Local Distribution Company	Allocation
Algoma Power Inc.	0.2%
Atikokan Hydro Inc.	0.0%
Attawapiskat Power Corporation	0.0%
Bluewater Power Distribution Corporation	0.6%
Brant County Power Inc.	0.2%
Brantford Power Inc.	0.7%
Burlington Hydro Inc.	1.4%
Cambridge and North Dumfries Hydro Inc.	1.0%
Canadian Niagara Power Inc.	0.5%
Centre Wellington Hydro Ltd.	0.1%
Chapleau Public Utilities Corporation	0.0%
COLLUS Power Corporation	0.3%
Cooperative Hydro Embrun Inc.	0.0%
E.L.K. Energy Inc.	0.2%
Enersource Hydro Mississauga Inc.	3.9%
ENTEGRUS	0.6%
ENWIN Utilities Ltd.	1.6%
Erie Thames Powerlines Corporation	0.4%
Espanola Regional Hydro Distribution Corporation	0.1%
Essex Powerlines Corporation	0.7%
Festival Hydro Inc.	0.3%
Fort Albany Power Corporation	0.0%
Fort Frances Power Corporation	0.1%
Greater Sudbury Hydro Inc.	1.0%
Grimsby Power Inc.	0.2%
Guelph Hydro Electric Systems Inc.	0.9%
Haldimand County Hydro Inc.	0.4%
Halton Hills Hydro Inc.	0.5%
Hearst Power Distribution Company Limited	0.1%
Horizon Utilities Corporation	4.0%
Hydro 2000 Inc.	0.0%
Hydro Hawkesbury Inc.	0.1%
Hydro One Brampton Networks Inc.	2.8%
Hydro One Networks Inc.	30.0%

Hydro Ottawa Limited	5.6%
Innisfil Hydro Distribution Systems Limited	0.4%
Kashechewan Power Corporation	0.0%
Kenora Hydro Electric Corporation Ltd.	0.1%
Kingston Hydro Corporation	0.5%
Kitchener-Wilmot Hydro Inc.	1.6%
Lakefront Utilities Inc.	0.2%
Lakeland Power Distribution Ltd.	0.2%
London Hydro Inc.	2.7%
Middlesex Power Distribution Corporation	0.1%
Midland Power Utility Corporation	0.1%
Milton Hydro Distribution Inc.	0.6%
Newmarket - Tay Power Distribution Ltd.	0.7%
Niagara Peninsula Energy Inc.	1.0%
Niagara-on-the-Lake Hydro Inc.	0.2%
Norfolk Power Distribution Inc.	0.3%
North Bay Hydro Distribution Limited	0.5%
Northern Ontario Wires Inc.	0.1%
Oakville Hydro Electricity Distribution Inc.	1.5%
Orangeville Hydro Limited	0.2%
Orillia Power Distribution Corporation	0.3%
Oshawa PUC Networks Inc.	1.2%
Ottawa River Power Corporation	0.2%
Parry Sound Power Corporation	0.1%
Peterborough Distribution Incorporated	0.7%
PowerStream Inc.	6.6%
PUC Distribution Inc.	0.9%
Renfrew Hydro Inc.	0.1%
Rideau St. Lawrence Distribution Inc.	0.1%
Sioux Lookout Hydro Inc.	0.1%
St. Thomas Energy Inc.	0.3%
Thunder Bay Hydro Electricity Distribution Inc.	0.9%
Tillsonburg Hydro Inc.	0.1%
Toronto Hydro-Electric System Limited	12.8%
Veridian Connections Inc.	2.4%
Wasaga Distribution Inc.	0.2%
Waterloo North Hydro Inc.	1.0%
Welland Hydro-Electric System Corp.	0.4%
Wellington North Power Inc.	0.1%
West Coast Huron Energy Inc.	0.1%
Westario Power Inc.	0.5%
Whitby Hydro Electric Corporation	0.9%
Woodstock Hydro Services Inc.	0.3%

## Reporting Glossary

**Annual:** the peak demand or energy savings that occur in a given year (includes resource savings from new program activity in a given year and resource savings persisting from previous years).

**Cumulative Energy Savings:** represents the sum of the annual energy savings that accrue over a defined period (in the context of this report the defined period is 2011 - 2014). This concept does not apply to peak demand savings.

**End-User Level:** resource savings in this report are measured at the customer level as opposed to the generator level (the difference being line losses).

**Free-ridership:** the percentage of participants who would have implemented the program measure or practice in the absence of the program.

**Incremental:** the new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start' (please see table 5).

**Initiative:** a Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup).

**Net-to-Gross Ratio:** The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover

**Net Energy Savings (MWh):** energy savings attributable to conservation and demand management activities net of free-riders, etc.

**Net Peak Demand Savings (MW):** peak demand savings attributable to conservation and demand management activities net of free-riders, etc.

**Program:** a group of initiatives that target a particular market sector (i.e. Consumer, Industrial).

**Realization Rate:** A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.

**Settlement Account:** the grouping of demand response facilities (contributors) into one contractual agreement

**Spillover:** Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.

**Unit:** for a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).