Final Verified 2016 Annual LDC CDM Program Results Report

Letter from the Vice-President, Conservation & Corporate Relations

June 30, 2017

I am pleased to provide LDCs with their Final Verified 2016 Annual Results Report. Collectively in 2016, LDCs achieved 1.2 TWh of energy savings persisting to 2020. When combined with the 2015 results, LDCs have achieved 2.6 TWh of energy savings, representing 38 % of the 7 TWh target. The results show positive progress towards the achievement of the Conservation First Framework (CFF) target and demonstrate the continued collaboration between LDCs and the IESO in promoting a culture of conservation across the province.

Key highlights from the 2016 final results include the following:

- The Coupons program produced a record achievement, delivering 428 GWh of energy savings in 2016, more than doubling the results from 2015. LED light bulbs remained the most common measure accounting for 75 % of coupons redeemed and 96 % of savings.
- The Retrofit program continues to be the highest performing program achieving 567 GWh of energy savings in 2016, despite experiencing a 29 % reduction in savings over the 2015 results (including adjustments). Lighting measures continue to produce the majority of savings, 74 % in 2016, with non-lighting measures accounting for the remainder.
- The success of the Coupons program supported residential sector programs in achieving a larger share of the portfolio savings in 2016 than in previous years, accounting for 44 % of target achievement, with business sector programs and local and pilot programs accounting for 54 % and 1 %, respectively
 - o It is important to note that there remains a considerable data lag, representing completed, but unreported projects for the Retrofit and Process and Systems Upgrades Programs. Together, these programs have roughly 250 GWh in unverified savings waiting to be reported by LDCs. It is anticipated that these savings will be reported in future year's 2016 adjustments.
- As with 2015, the IESO evaluation methodology enabled further granulation of net verified results in 2016, resulting in increased LDC-specific and regional level net-to-gross adjustment factors, where data permitted.
- Four LDCs have achieved at least 90 % of their CFF target, and nine others are above 50 %. These early successes are prompting increased dialogue between LDCs with respect to potential target exchange, which is both permitted and encouraged under the CFF.

There were minor revisions to the final results relative to the preliminary results including: 1) revisions/corrections to program savings assumptions / adjustments as required (primarily to participation levels for Coupons Program and Heating & Cooling Program); 2) the inclusion of an additional five LDC Innovation Fund and Conservation Fund Programs; and 3) amendments based on comments received by LDCs as part of their review of the preliminary results. Further details on the revisions between the preliminary and the final 2016 verified results can be found in the 2016 Frequently Asked Questions (FAQs) and Evaluation Findings Report which will be posted along with the results on the

Please note that all results contained within this report are considered to be final verified results. Projects included in this report are reflected in the accompanying LDC Project List Report. Any program activity not captured in this report will be included as part of a future adjustment process.

In terms of next steps, as with the 2015 CFF results, Final Verified 2016 Annual Results Reports will be posted on the IESO website in early July. In addition, LDC-Program level and portfolio-level cost effectiveness test results will be available on September 15, 2017, as outlined in the Energy Conservation Agreement version 3.0 update. Finally, 2016 EM&V reports will be available later this summer along with key program recommendations to be shared with the LDC Working Groups and the IESO.

We appreciate your collaboration and cooperation throughout the reporting and evaluation process. As we look ahead, the IESO will be focusing on enhancing its communication and support services to further support LDCs in the delivery of programs and to increase customer participation in these programs. I look forward to continuing to work together in achieving success in the Conservation First Framework.

Sincerely,

Vice-President, Conservation & Corporate Relations
Independent Electricity System Operator

Final Verified 2016 Annual LDC CDM Program Results Report Table of Contents

#	Worksheet Name	Worksheet Description
1	How to Use This Report	Describes the contents and structure of this report
2	Report Summary	A high level summary of the Final 2016 Annual Verified Results Report, including: 1) progress toward the LDC's a) Allocated 2020 Energy Savings Target; b) Allocated 2015-2020 LDC CDM Plan Budget; c) CDM Plan 2015-2020 Forecasts; 3) annual savings and spending; 4) Annual FCR Progress; 5) annual LDC CDM Plan spending progress; 6) graphs describing: a) contribution to 2020 Target Achievement by program; b) 2015 LDC CDM Plan Budget Spending by Sector; c) annual energy savings persistence to 2020 by year; d) your Allocated Target achievement progress relative to your peers;
3	LDC Rankings	A comprehensive report of each LDC's performance rankings against all other LDCs in major performance categories.
4	LDC Progress	A comprehensive report of 2016 conservation results including: 1) activity; 2) savings including; a) energy and peak demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target acheivement; and 3) spending, including participant incentives and administrative expenses and IESO Value Added Services Costs. Data is grouped by category and summarized at the LDC level.
5	Province-Wide Progress	A comprehensive report of 2016 conservation results including: 1) activity; 2) savings including; a) energy and peak demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target acheivement; and 3) spending, including participant incentives and administrative expenses and IESO Value Added Services Costs. Data is grouped by category and summarized at the province wide level.
6	LDC Savings Persistence	A report detailing the gross and net energy and peak demand savings persistence by program and implementation year (2015, 2015 Adjustment and 2016) at the LDC Level.
7	Province-Wide Persistence	A report detailing the gross and net energy and peak demand savings persistence by program and implementation year (2015, 2015 Adjustment and 2016) at the province wide Level.
8	Methodology	A description of the methods used to calculate energy savings, financial results and cost-effectiveness.
9	Reference Table	Provides detailing how Province wide Consumer Program results were allocated to specific LDCs.
10	Glossary	Definitions for the terms used throughout this report.

Final Verified 2016 Annual LDC CDM Program Results Report How to Use this Report

The IESO is pleased to provide you with the 2016 Annual Verified Results Report.

This report provides:

- 1) electricity savings;
- 2) annual Full Cost Recovery funding model program progress; and
- 3) peak demand savings;
- 4) IESO Value Added Services Costs

in accordance with Section 9.2(b)(i) of the Energy Conservation Agreement.

In addition to the above, this report also provides in greater detail:

- 1) program participation results including:
- a) forecasts; b) actuals; and c) progress (forecast versus (vs) actuals);
- 2) program savings results including:
 - a) net 2020 annual energy and peak demand savings;
 - b) allocated target, target achievement and progress towards target;
 - c) incremental net first year energy and peak demand savings;
 - d) annual net-to-gross and realization rate adjustments; and
 - e) incremental gross first year energy and peak demand savings;

and where available reported by: i) forecasts; ii) verified actuals; and iii) progress (forecast vs actuals);

- 3) program spending including:
- a) participation incentive spending;
- b) administrative expense spending (including IESO value-added services costs);
- c) aggregated total spending; and
- d) allocated budget, LDC CDM Plan budget spending and progress towards budget;

and for each cost: i) forecasts; ii) verified actuals; and iii) progress (forecast vs actuals);

- 4) program savings results persistence for:
- a) gross energy savings;
- b) gross peak demand savings;
- c) net energy savings; and
- d) net peak demand savings;

by both the LDC specific level and the province-wide aggregated level for 2016 and 2015 including 2015 Adjustments.

This report's format is consistent with the IESO issued Monthly Participation and Cost Report in that it is a dynamic sheet that can be expanded or collapsed by clicking the + button or "Show Detail" feature under the Data tab. Each of the four results categories listed above have been grouped together for easy accessibility.



Please note:

- 1) Cost Effectiveness Test (CET) results including:
- a) total resource cost test;
- b) program administration cost test;
- c) levelized unit energy cost test;

and for each test: i) benefits; ii) cost; iii) net benefit; iv) benefit ratio; at the LDC and province wide level will not be available in this report but will be provided to LDCs by September 15 2017, as per the Energy Conservation Agreement, version 3.0.

2) forecasts of: a) activity; b) savings; and c) spending; included in this report are

based on approved LDC CDM Plan - Cost Effectiveness Tools as of April 1, 2017

 $(from\ the\ i)\ Program\ Design;\ ii)\ Budget\ Inputs;\ iii)\ Savings\ Results;\ and\ iv)\ CE\ Results;\ worksheets);$

Please note that this does not contain data for Legacy Framework program spending or CFF pilot program activity, savings, spending or cost effectiveness.

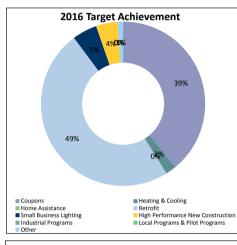
- 3) Annual FCR Progress only includes Full Cost Recovery funding model program savings results and excludes Pay-for-Performance funding model program savings results.
- 4) The complete list of approved programs and pilots as of April 1, 2017 approved LDC CDM Plans have been included, however only programs and pilots in market for a sufficient period of time to enable a valid EM&V process will have verified results.
- 5) 2015 Adjustments consists of projects completed in 2015 but were not reported to the IESO by the 2015 Verified Results Reporting deadline of March 31, 2016.
- 6) Pilot program savings are attributed to the LDC where the pilot program project is located in; and
- 7) This Annual Verified Results Report provides results for the LDC and province only. No aggregated reporting is provided for LDCs that are part of a joint CDM plan;

Final Verified 2016 Annual LDC CDM Program Results Report Summary

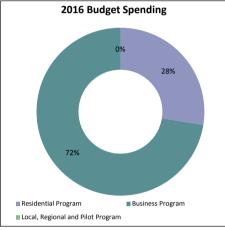
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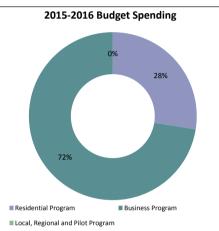
Res	sults											
#	Metric	2015 Verified Results	2016 Verified Results	2015-2016 Verified Results	Allocated Target / Budget	2015-2016 Progress versus Allocated Target / Budget	2015-2020 LDC CDM Plan Forecast	2015-2016 Progress versus 2015-2020 LDC CDM Plan Forecast	2016 LDC CDM Plan Forecast	2016 Progress versus 2016 LDC CDM Plan Forecast	2015-2016 LDC CDM Plan Forecast	2015-2016 Progress versus 2015-2016 LDC CDM Plan Forecast
1	Net Verified Annual Energy Savings Persisting to 2020	5,141 MWh	2,495 MWh	7,637 MWh	15,770 MWh	48 %	15,833 MWh	48 %	1,345 MWh	186 %	4,319 MWh	177 %
	LDC Ranking - Net Verified Annual Energy Savings Persisting to 2020	37	41	37	42	16	41	20	49	9	37	16
3	Total Spending (\$)	\$0	\$ 433,379	\$ 433,379	\$ 4,142,391	10 %	\$ 4,142,392	10 %	\$ 511,363	85 %	\$ 511,363	85 %
	LDC Ranking - Total Spending (\$)	43	43	44	42	40	42	41	47	11	47	14

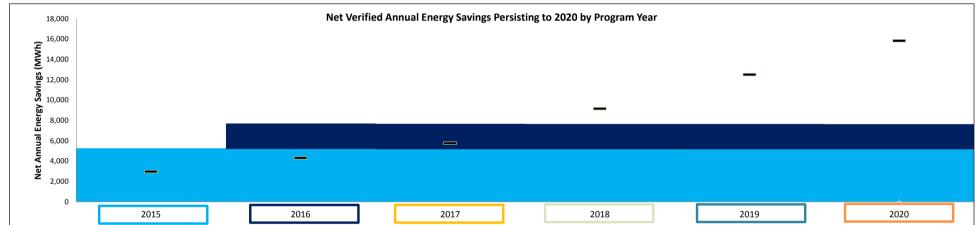
Α	nnual Results				Cost	st Effectiveness				Aı	nnual FCR Progress	
į	Metric	2015	2016	Total	# 7	Test	2015	2016	Total	#	Metric	Result
:	Net Verified Annual Energy Savings Persisting to 2020 (MWh)	5,141 MWh	2,495 MWh	7,637 MWh	1 7	Total Resource Cost Test (Ratio)	n/a	tbd	tbd	1	2015-2016 Incremental Net Verified 2020 Annual Energy Savings from Full Cost Recovery Programs	7,637 MWh
:	Net Verified Incremental First Year Energy Savings (MWh)	5,253 MWh	2,516 MWh	7,769 MWh	2 F	Program Administrator Cost Test (Ratio)	n/a	tbd	tbd	2	2015-2016 Incremental Net 2020 Annual Energy Savingsfrom Full Cost Recovery Program per CDM Plan Forecast	4,319 MWh
3	Total Spending (\$)	\$ 0	\$ 433,379	\$ 433,379	3 1	Levelized Unit Energy Cost Result (¢/kWh)	n/a	tbd	tbd	3	FCR Progress (%)	177 %
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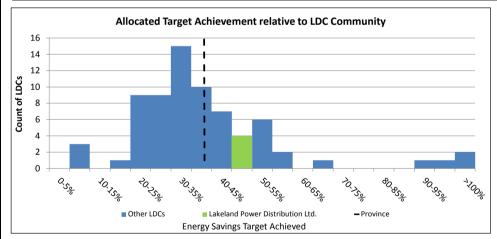


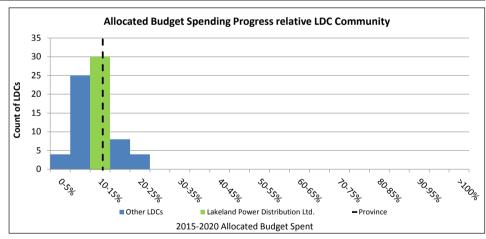












# linc	Net Verified Annual Fners	y Savings Persisting to 2020											Total Spending										
" LDC	2015	Verified Verified	2016	2015-2016	Allocated	2015-2016	2015-2020	2015-2016	2016	2016	2015-2016	2015-2016	2015	Verified Verif	ied	2016	2015-2016	Allocated	2015-2016 2015-2020	2015-2016	2016 2016	2015-2016	2015-2016
	Verified Results	2015 Adjusted	Verified Results	Verified Results	Target	Progress versus	LDC CDM Plan	Progress versus	LDC CDM Plan	Progress versus	LDC CDM Plan	Progress versus	Verified Spending	2015 Adjus	sted	Verified Spending	Verified Spending	Budget	Progress versus LDC CDM Plan	Progress versus	LDC CDM Plan Progr	ress versus LDC CDM Plan	
		Adjustment 2015 Results Results				Allocated	Forecast	2015-2020 LDC CDM Plan	Forecast	2016 LDC CDM Plan	Forecast	2015-2016 LDC CDM Plan		Adjustment 2015 Spending Spen	iding				Allocated Forecast	2015-2020 LDC CDM Plan	Forecast 2016	Forecast CDM Plan	2015-2016 LDC CDM Plan
		Results				raiget		Forecast		Forecast		Forecast		Spending Spen	iumg				buuget	Forecast	Fores	ast	Forecast
	Value LDC	Value Value LDC	Value LDC	Value LDC	Value LI	DC Value LDC	Value LDC	Value LDC	Value	LDC Value LDC	Value L	DC Value LDC	Value LDC	Value Value	e LDC	Value LDC	Value LDC	Value LDC	Value LDC Value	LDC Value LDC	Value LDC Value		LDC Value LDC
	(kWh) Rankin	g (kWh) (kWh) Rankin	ng (kWh) Ranking	g (kWh) Rankin	ng (kWh) R	anking (%) Rank	king (kWh) Ranki	ng (%) Ranki	ing (kWh)	Ranking (%) Rankin	g (kWh) R	tanking (%) Ranking #) (#)	(\$) Ranking	(\$)	Ranking (#)	(\$) Ranking	(\$) Ranking	(\$) Rankin	g (%) Ranking (\$)	Ranking (%) Rank (#) (#)	ing (\$) Ranking (%)	Ranking (\$)	Ranking (%) Ranking
	(*)	(**)	(#)	(*)	(*	(#)	(#)	(*)		(*)	(*	*)	(#)		(**)	(*)	(#)	(**)	(**)	(#)	(**)	(*)	(*)
1 Algoma Power Inc.	1.031.011	7 25.818 1.056.828	58 1.285.402 5	2,342,230	56 7 510 000	54 31	45 11.100.760	47 21	66 816 284	54 157	16 1 777 226	53 132 34	39 320 2	2 59.951	99 271 20	344.836 47	7 444.108 4	2 2.107.963	53 21 3 3.449.717	45 13	24 683 154 43	50 51 737.8	14 43 60 37
2 Atikokan Hydro Inc.	109,769	57 2,444 112,213	67 189,357 6	58 301,570	68 1,140,000	67 26	54 1,139,590	67 26	52 127,788		18 170,828	71 177 17	0 3	0 0	0 43	50,265 66	6 50,265 6	6 311,330	67 16 9 374,405	70 13	19 56,766 71	89 8 56,77	
3 Attawapiskat Power Corporation	35,822	0 2,343 38,165	70 0 6	9 38,165	70 510,000	70 7	71 556,816	69 7	71 209,344		69 209,344	68 18 70	0 3	0 0	0 43	0 69	9 0 6	9 148,832	70 0 69 1,846,142	54 0	69 386,748 52	0 69 386,74	
Bluewater Power Distribution Corporation Brantford Power Inc.	7,755,327 7,457,011	21 268,687 8,024,013 2 12 1,458,523 8,915,534 2	26 5,570,598 2 25 10,499,455 1	28 13,594,611 19 19,414,989 1	30 62,370,000 21 54,320,000	19 22 22 36	65 62,370,000 33 54,880,608	19 22 23 35	64 7,092,037 36 9,918,198		56 14,839,910 39 17,760,851	25 92 57	5,119 2	9 0	5,119 41 29,000 30	1,340,938 26 1,564,432 22	6 1,346,056 2 2 1,593,432 2	7 15,838,687 4 14,048,458	20 8 56 15,838,687 22 11 30 11,591,730	20 8	54 2,579,261 19 16 2,207,285 23	52 48 2,584,38 71 29 2,236,28	0 21 52 50 85 23 71 28
6 Burlington Hydro Inc.	12,632,309	8 1,975,945 14,608,254 :	18 11,531,861 1	15 26,140,115	16 99,040,000	13 26	55 99,040,000	14 26	53 11,672,695	15 99	47 18,090,682	21 144 24	118,667 1	7 193,116	311,783 12	2,472,234 12	2 2,784,017 1	3 25,825,521	13 11 37 25,890,159	12 11	38 3,893,532 15	63 35 4,877,00	08 12 57 43
7 Canadian Niagara Power Inc.	3,502,396	5,579,808 9,082,204 2 3 109,971 1,690,999 5	23 5,553,280 2	29 14,635,484 2 50 3,239,975	27 28,480,000	32 51	12 28,104,418	31 52	15 4,745,580		29 11,046,585	27 132 33	162,334 1	4 58,069	220,403 13	1,200,961 27	7 1,421,364 2	6 7,355,555	33 19 5 6,338,440	35 22	4 1,589,930 29	76 22 1,643,41	
8 Centre Wellington Hydro Ltd. 9 Chapleau Public Utilities Corporation	1,581,029 5 275,333 6	64 3.485 278.818 6	53 1,548,975 5 64 191.711 6	50 3,239,975 5 57 470,529 6	52 8,730,000 66 1,050,000	68 45	30 8,729,845 18 1,057,696	68 44	33 2,771,886 21 134,983		62 4,123,814 21 508,197	62 93 56	0 3	0 3.354	3,354 42	276,194 49 19,890 68	9 276,194 5 8 23,244 6	0 2,252,724 8 298,764	51 12 26 2,252,724 68 8 60 298.764	71 8	29 651,826 44 59 57,618 69	42 59 651,83 35 64 57,63	
10 COLLUS PowerStream Corp.	1,637,947	1 385,929 2,023,876	49 2,194,349	4,218,225	47 16,860,000	39 25	58 16,860,000	38 25	57 2,047,097	42 107	38 3,784,720	41 111 43	157,689 1	5 0	157,689 16	636,318 33	8 23,244 6 3 794,008 3	1 4,446,841	39 18 7 4,446,841	39 18	8 842,348 39	76 21 1,118,45	51 35 71 30
11 Cooperative Hydro Embrun Inc.	120,443	56 19,234 139,677 6 19 583,829 2,246,382 4	66 730,806 5 47 1,963,393 4	57 870,483 6 18 4,209,775	62 1,790,000 48 16,200,000	65 49	15 1,790,697 56 16,203,264	65 49	18 241,547 54 1,785,578		2 320,602 36 3,064,492	66 272 9	0 3	0 0	0 43	61,223 64 435,083 42	4 61,223 6	5 525,743 3 4,273,057	65 12 28 525,743 41 10 41 4,273,057	68 12	31 78,227 68 42 504,219 48	78 16 78,22	
12 E.L.K. Energy Inc. 13 Energy+ Inc.	1,662,553 4 17,245,241	3 60.025.983 77.271.224	5 14.252.795 1	12 91,524,019	7 100.950.000	12 91	4 106,219,451	11 86	4 10,054,813		22 67,208,866	8 136 30	0 3	0 0	0 43	2.916.887 11	2 435,083 4 1 2,916,887 1	1 25,873,071	12 11 32 23,678,815	14 12	28 4,939,935 10	86 10 504,21 59 38 4,939,93	
14 Enersource Hydro Mississauga Inc.	59,582,917	5 15,701,481 75,284,398	6 80,992,918	4 156,277,316	4 483,270,000	4 32	42 483,273,204	4 32	42 79,419,033	3 102	42 149,356,740	4 105 50	0 3	0 0	0 43	5,508,332	8 5,508,332	8 122,499,403	4 4 68 123,761,401	4 4	68 20,565,231 4	27 66 23,154,17	75 4 24 66
15 Entegrus Powerlines Inc. 16 EnWin Utilities Ltd.	38,558,192 14,809,440	8 3,536,019 42,094,211 15 2,675,379 17,484,819 1	9 14,186,934 1 16 29,365,888	13 56,281,145 : 9 46,850,707 :	11 56,830,000 12 151,300,000	21 99	3 62,079,147 47 152,801,848	20 91	3 5,611,768 45 44,722,046		4 34,007,927 61 64,562,249	14 165 21 9 73 6°	374,365	8 60,099	434,464 8 111,618 19	2,370,550 14 2,430,728 13	4 2,805,014 1 3 2,542,346 1	2 14,695,867 5 38,421,929	21 19 6 13,843,474 10 7 64 38,421,929	21 20	6 2,447,799 20 64 11,447,244 8	97 5 3,048,33 21 67 11,447,24	
17 Erie Thames Powerlines Corporation	5,180,177	7 922,335 6,102,511	30 2,555,215 4	0 8,657,726	34 27,630,000	33 31	44 39,589,797	26 22	63 3,215,423	37 79	55 21,956,460	19 39 68	23,149 2	5 19,384	42,533 26	561,528 39	9 604,060 3	7,104,954	34 9 55 7,020,999	33 9	52 1,352,450 30	42 60 1,524,69	90 30 40 63
18 Espanola Regional Hydro Distribution Corporation	502,006	1 14,537 516,543	62 339,978 6	55 856,521 6	63 2,410,000	64 36	34 1,998,806	64 43	23 328,608		40 328,608	65 261 10	5,306 2	8 0	5,306 40	57,969 65	5 63,275 6	3 685,489	64 9 48 759,788	67 8	57 141,751 63	41 61 141,75	
19 Essex Powerlines Corporation 20 Festival Hydro Inc.	3,819,710 4,822,853	1,720,380 5,540,090 3 0 2,088,958 6,911,811 2	33 7,059,017 2 27 9,417,074 2	26 12,599,107 3 21 16,328,885 3	31 31,430,000 26 34,650,000	30 40	24 31,430,000 17 29,884,429	28 40	29 7,103,736 10 4,336,821		46 9,728,188 7 4,336,821	29 130 35 36 377 5	176,840 1	0 8 075	183,577 14 8,075 37	1,818,727 18 1,003,864 29	8 2,002,304 1 9 1,011,939 2	7 8,532,573 9 8,768,149	30 23 1 8,421,412 28 12 29 8,768,149	30 24	3 1,871,165 25 32 1,323,777 32	97 4 2,199,19 76 20 1,323,77	
21 Fort Albany Power Corporation	29,906	1 1,956 31,862	71 0 6	9 31,862	71 340,000	71 9	69 373,387	71 9	70 197,235	68 0	69 197,235	70 16 71	0 3	0 0	0 43	0 69	9 0 6	9 98,990	71 0 69 1,682,107	58 0	69 345,251 55	0 69 345,25	51 55 0 69
22 Fort Frances Power Corporation	254,688	55 11,215 265,903 6	65 553,935 6	60 819,838	64 4,000,000	61 20	67 3,687,415	61 22	62 348,835		15 486,914	64 168 19	0 3	0 0	0 43	92,580 60	0 92,580 6	0 1,109,758	60 8 59 1,119,638	63 8	58 124,580 66	74 23 124,60	01 66 74 23
23 Greater Sudbury Hydro Inc. 24 Grimsby Power Incorporated	6,959,582 2,804,724	3 3,141,790 10,101,372 10 319,119 3,123,843	22 9,312,088 2 40 2,159,053 4	22 19,413,460 2 15 5,282,896	22 34,740,000 43 10,850,000	27 56 48 49	7 23,985,670 14 10,863,961	34 81 48 49	5 3,943,302 17 1,870,647		5 3,943,302 33 3,670,614	40 492 2	112,497 1	0 34 500	112,497 18 34,500 29	1,425,683 24 292,926 48	4 1,538,180 2 8 327,426 4	5 9,672,498 8 2,894,613	26 16 10 9,117,459 47 11 31 2,894,612	27 17 47 11	10 1,701,015 28 33 633,209 45	84 12 1,701,03 46 57 633,20	
25 Guelph Hydro Electric Systems Inc.	58,594,547	6 2,215,864 60,810,411	8 8,394,053 2	69,204,463	9 99,040,000	13 70	5 99,040,001	13 70	7 7,470,386	22 112	35 59,741,607	11 116 41	278,441 1	0 103,065	381,506 11	1,377,942 25	5 1,759,447 2	0 24,920,625	14 7 62 23,290,402	15 8	60 3,782,778 16	36 63 4,255,74	43 16 41 61
26 Halton Hills Hydro Inc.	5,500,566 1 1,510,384	25 212,955 5,713,521 3 4 985,005 2,495,390 4	31 4,755,591 3	10,469,112	33 30,940,000 44 3.180,000	31 34	38 30,962,677 1 3.183.595	29 34	39 3,268,861		20 6,234,990	34 168 20	0 3	0 0	0 43 10.063 36	604,017 35 71,200 63	5 604,017 3	8 8,387,497 2 843 903	31 7 61 8,387,497	31 7	62 1,310,004 33	46 58 1,458,60	
27 Hearst Power Distribution Company Limited 28 Horizon Utilities Corporation	70,835,688	4 985,005 2,495,390 4 4 6,703,611 77,539,298	44 2,417,972 4 4 44,884,274	4,913,361 4 6 122,423,572	6 330,680,000	6 37	31 366,197,247	6 33	41 41,674,275		1 1,033,780 37 116,705,818	5 105 49	2,679,921	3 194 944 2	10,063 36	10,061,393	2 81,272 6 5 12,936,258	5 84,830,304	63 10 45 843,903 6 15 12 84,830,304	6 15	45 122,762 67 13 14,826,453 6	58 39 122,76 68 32 17,664,33	
29 Hydro 2000 Inc.	80,683	8 3,633 84,316	68 257,750 6	66 342,066 6	67 1,360,000	66 25	57 1,360,459	66 25	56 165,677		17 215,261	67 159 22	0 3	0 0	0 43	41,957 67	7 41,957 6	7 394,750	66 11 38 394,750	69 11	39 56,806 70	74 24 56,80	
30 Hydro Hawkesbury Inc. 31 Hydro One Brampton Networks Inc.	1,162,440	66 26,255 1,188,695 5 9 6,302,266 35,880,369	57 1,339,759 5	7 77 531 030	54 7,920,000 8 255 160 000	53 32	43 7,920,346	53 32	43 1,335,307 46 40,763,367		44 2,406,871 41 70 364 866	49 105 48 7 110 45	363.847	0 0	0 43	189,396 52 7,314,450 7	2 189,396 5	3 2,139,160 7 66,798,531	52 9 51 2,139,160 7 12 27 66,798,530	52 9	50 399,100 51 30 14,629,427 7	47 56 399,10 50 52 14,994.83	
32 Hydro One Networks Inc.	29,578,103	1 89,902,682 310,389,782	1 208,374,078	2 518,763,860	2 1,220,690,000	2 42	19 1,263,550,435	2 41	26 257,427,028		54 477,719,756	1 109 47	1,742,284		1,775,101 5	44,738,829	1 46,513,930	2 338,355,409	2 14 16 341,857,197	1 14	17 62,293,684 2	72 27 63,838,19	
33 Hydro Ottawa Limited	57,247,836	7 15,553,929 72,801,765	7 59,247,505	5 132,049,269	5 394,540,000	5 33	40 394,559,846	5 33	40 42,147,373		23 99,489,881	6 133 32	389,296	7 0	389,296 10	13,469,631 4	4 13,858,927	4 105,242,155	5 13 19 105,242,156	5 13	21 17,214,251 5	78 17 17,591,40	
34 InnPower Corporation 35 Kashechewan Power Corporation	1,850,172 4 40,200 6	7 132,220 1,982,392 5 69 2.629 42.829 6	50 2,561,285	89 4,543,677 4 69 42.829 6	46 13,010,000 69 520,000	44 35 69 8	35 13,009,980 70 438,286	43 35	37 3,158,377 69 209.344		53 4,728,558 69 209.344	35 96 54 68 20 69	0 3	0 0	0 43	467,510 41	1 467,510 4	1 3,680,241 9 155,966	44 13 23 3,680,241 69 0 69 1,741,263	44 13 56 0	25 851,157 37 69 358,436 54	55 45 851,15 0 69 358,43	
36 Kenora Hydro Electric Corporation Ltd.	1,606,080	2 65,793 1,671,873	54 552,901 6	51 2,224,774	57 5,270,000	57 42	21 5,269,561	56 42	24 1,403,058		65 1,596,071	56 139 28	0 3	0 0	0 43	124,005 59	9 124,005 5	9 1,407,448	57 9 52 1,688,937	57 7	61 220,129 59	56 43 220,15	
37 Kingston Hydro Corporation	4,445,966	1,046,947 5,492,913	35 2,580,410 3	88 8,073,324	36 34,500,000	29 23	63 37,182,911	27 22	65 11,465,768		68 14,206,168	26 57 65	0 3	0 17,728	17,728 34	566,812 38	8 584,540 3	9 8,674,286	29 7 63 8,631,873	29 7	63 1,716,251 27	33 65 1,716,25	
38 Kitchener-Wilmot Hydro Inc. 39 Lakefront Utilities Inc.	21,865,242 2,239,136	11 2,654,908 24,520,150 1 44 280,605 2,519,741	12 14,184,542 1 43 1,185,986 5	14 38,704,692 : 33 3,705,727 :	14 105,710,000 50 12,170,000	11 37 45 30	32 105,712,088 48 12,201,915	12 37 44 30	34 17,127,724 47 1,739,771		52 27,136,429 60 3,639,829	16 143 27 43 102 51	0 3	0 0	0 43	1,754,249 20 265,025 50	0 1,754,249 2 0 265,025 5	1 27,710,719 1 3,077,834	11 6 65 27,710,719 45 9 53 3,077,834	46 9	65 4,634,072 14 51 511.743 46	38 62 4,634,07 52 49 511,74	
40 Lakeland Power Distribution Ltd.	4,432,710	3 708,780 5,141,489 3	37 2,495,021	7,636,510	37 15,770,000	42 48	16 15,832,919	41 48	20 1,345,374	49 185	9 4,319,290	37 177 16	0 3	0 0	0 43	433,380 43	3 433,380 4	4 4,142,391	42 10 40 4,142,392	42 10	41 511,363 47	85 11 511,36	64 47 85 14
41 London Hydro Inc.	28,534,591	0 3,454,236 31,988,827 :	11 31,824,871	8 63,813,698 :	10 196,660,000	8 32	41 219,747,453	8 29	50 34,869,274		49 63,862,340	10 100 53	1,611,279	5 506,532 2	2,117,811 4	8,721,449	6 10,839,260	6 51,192,690	8 21 2 51,389,905	8 21	5 9,187,376 9	95 7 10,660,33	
42 Midland Power Utility Corporation 43 Milton Hydro Distribution Inc.	2,860,953 9,889,501	9 301,878 3,162,831 3 9 476,099 10,365,601	39 2,402,265 4 21 6,501,088 2	13 5,565,096 4 27 16,866,689 2	41 10,830,000 25 45,360,000	24 37	13 10,830,000 29 45,363,753	24 37	16 1,433,109 32 5,584,323		14 3,063,543 30 9,970,719	46 182 14 28 169 18	0 3	0 41.699	41,699 27	345,045 46 1.563,222 23	6 345,045 4 3 1.604.921 2	7 2,739,690 3 11,911,927	49 13 24 2,739,690 24 13 17 11,908,123	22 13	26 432,693 49 18 2.051.810 24	80 14 432,69 76 18 2,205,83	23 24 73 27
44 Newmarket-Tay Power Distribution Ltd.	8,218,024	0 840,996 9,059,020	24 4,962,518	14,021,538	28 36,240,000	26 39	25 26,923,645	32 52	14 4,271,910	32 116	32 4,271,910	38 328 7	51,311 2	0 0	51,311 23	1,009,481 28	8 1,060,792 2	8 9,649,555	27 11 35 9,993,198	25 11	40 1,842,766 26	55 46 1,842,76	66 26 58 41
45 Niagara Peninsula Energy Inc. 46 Niagara-on-the-Lake Hydro Inc.	12,742,252 : 2,598,018 4	17 1,752,111 14,494,363 1 12 369,192 2,967,210	19 10,838,434 1 41 3,401,852 3	25,332,796 6 6,369,062	18 74,440,000 39 11,680,000	17 34	37 74,440,000 8 11,877,636	17 34	38 7,449,258 13 3,546,990		19 20,191,139 48 6,289,627	20 125 36	0 3	40,000	40,000 28	2,317,811 15 424,921 44	5 2,357,811 1 4 424,921 4	6 19,056,865 5 2,993,633	18 12 25 19,056,865 46 14 14 2,321,538	18 12	27 2,378,879 22 7 828,092 40	97 3 2,378,87 51 50 828,09	
47 North Bay Hydro Distribution Limited	4,245,690	15 12,427,153 16,672,842	17 4,001,370 3	34 20,674,212	20 20,260,000	37 102	2 17,933,641	37 115	2 2,300,259		12 2,300,259	50 899 1	27,296 2	3 0	27,296 31	713,129 32	2 740,425 3	3 5,545,424	37 13 18 5,738,692	37 13	23 992,259 35		
48 Northern Ontario Wires Inc.	509,731	0 38,057 547,788 6	60 907,761 5	56 1,455,549	59 4,310,000	59 34	39 2,998,209	63 49	19 492,913		10 492,913	63 295 8	27,296 2 6,212 2	7 0	6,212 39	156,126 56	6 162,339 5	6 1,174,934	59 14 15 1,139,682	62 14	15 212,627 61	72 26 992,25 73 25 212,62	.7 61 76 19
Oakville Hydro Electricity Distribution Inc. Orangeville Hydro Limited	21,252,248 3,398,117	2 2,499,447 23,751,695 18 314,840 3,712,958 3	13 15,431,935 1 38 2,056,808 4	11 39,183,630 3 16 5,769,766 4	13 92,390,000 40 14,150,000	15 42 43 41	20 93,974,490 22 14,301,698	15 42	25 13,265,566 27 1,194,829		31 34,517,814 13 2,889,637	13 114 42 47 200 11	0 3	0 77,518	77,518 21	3,120,547 10 229,432 51	0 3,198,065 1 1 229,432 5	0 24,575,982 2 3,705,603	15 13 21 24,574,176 43 6 66 3,705,604	13 13	22 4,665,101 13 66 412,100 50	67 33 4,742,10 56 44 412,10	
51 Orillia Power Distribution Corporation	1,662,040	0 246,213 1,908,253 5	52 2,008,907	3,917,160	49 16,580,000	40 24	62 16,653,694	39 24	60 5,922,408	26 34	66 7,529,238	32 52 66	0 3	17,378	17,378 35	605,352 34	4 622,730 3	5 4,318,856	40 14 13 4,289,364	40 15	14 765,330 42	79 15 831,58	80 40 75 21
52 Oshawa PUC Networks Inc.	5,046,074 2,779,858	1 156.362 2.936.220 4	29 11,449,535 1	16 17,677,934	23 73,010,000 45 8,720,000	18 24	61 73,010,000 9 8,724,947	18 24	59 8,484,484		24 24,199,815	18 73 61	0 3	24,000	24,000 33	1,975,382 17	7 1,999,382 1	8 19,963,922	17 10 42 19,918,698	17 10	43 3,504,522 17	56 42 3,504,52	
53 Ottawa River Power Corporation 54 Peterborough Distribution Incorporated	4,979,980	11 156,362 2,936,220 4 19 554,811 5,534,790 3	42 1,812,492 4 34 5,186,524 3	9 4,748,712 a 80 10,721,314	45 8,720,000 32 37,880,000	25 28	9 8,724,947 52 42,122,834	25 25	11 985,681 55 20,077,835		11 2,614,339 67 25,666,491	40 182 15 17 42 67	0 3	0 43,197	0 43 43,197 25	353,106 45 847,015 30	5 353,106 4 0 890,212 3	6 2,282,373 0 9,781,455	50 15 11 2,282,373 25 9 49 9,581,681	26 9	12 366,122 53 48 4,697,210 12	96 6 366,12 18 68 4,697,23	
55 PowerStream Inc.	76,511,169	3 20,976,284 97,487,452	3 103,018,833	3 200,506,286	3 535,440,000	3 37	27 535,440,000	3 37	31 76,738,762	4 134 :	25 165,941,199	3 121 38	5,019,130	2 0 5	5,019,130 2	19,030,891	3 24,050,021	3 140,696,240	3 17 8 140,696,240	3 17	9 26,679,186 3	71 28 34,058,29	95 3 71 31
56 PUC Distribution Inc. 57 Renfrew Hydro Inc.	4,538,096	5 5,197,342 3 3 32,771 384,155	36 8,793,170 2 63 418.059 6	23 13,990,513 2 54 802 214 6	29 26,410,000	34 53 60 10	11 18,988,655 68 4.169.705	36 74 50 10	6 3,121,781 68 595,808		3 3,121,781 58 946.461	44 448 4 60 85 50	58,515 1 8.025 2	9 0	58,515 22 8.025 38	729,307 31 82,258 61	1 787,822 3 1 90,283 6	2 7,440,107 1 1,070,574	32 11 39 7,217,989 61 8 57 1.070,547	32 11 64 °	37 1,346,637 31 55 170,067 62	54 47 1,346,63 48 53 178.09	
58 Rideau St. Lawrence Distribution Inc.	1,353,836	55 95,782 1,449,618 5	56 570,963 5	59 2,020,581 5	58 5,020,000	58 40	23 5,020,495	57 40	28 561,831		43 1,627,920	55 124 37	0,025 2	0 0	0 43	124,517 58	8 124,517 5	8 1,306,239	58 10 46 1,306,239	60 10	46 217,038 60	57 40 217,03	
59 Sioux Lookout Hydro Inc.	537,110	9 7,737 544,847 6	61 485,367 6	3 1,030,214	61 3,700,000	62 28	53 3,699,848	60 28	51 621,773	57 78	57 764,616	61 135 31	0 3	0 0	0 43	61,605 63	3 61,605 6	4 1,016,095	62 6 67 1,219,314	61 5	67 128,495 64	48 55 128,51	12 65 48 56
60 St. Thomas Energy Inc. 61 Thunder Bay Hydro Electricity Distribution Inc.	2,146,544 4 5,286,985	15 188,013 2,334,556 4 16 13 266 747 18 553 733	46 4,191,889 3	3 6,526,446 3 25 25 694 979	38 17,510,000 17 48 420 000	38 37	28 11,992,835 10 58 393 454	45 54 22 44	12 1,971,651 22 17,239,812		8 1,971,651 64 36,097,692	51 331 6 12 71 63	25,415 2	6 48 109	25,415 32 533,684 6	579,723 36 2 110 681 16	6 605,138 3 6 2,644,365 1	6 4,643,532 4 12 927 445	38 13 20 4,558,730 23 20 4 10,763,047	38 13	20 850,507 38	68 31 850,50 87 9 2,885,50	
62 Tillsonburg Hydro Inc.	1,886,420	16 243,278 2,129,698	48 673,753 5	58 2,803,451 !	53 11,310,000	47 25	59 4,901,901	58 57	8 741,159		50 1,483,941	57 189 13	122,716 1		122,716 17	158,627 55	5 281,343 4	9 2,881,461	48 10 43 939,108	65 30	1 126,641 65	125 2 167,57	
63 Toronto Hydro-Electric System Limited	197,146,346	2 78,444,901 275,591,247	2 269,366,448	1 544,957,695	1 1,576,050,000	1 35	36 1,437,213,978	1 38	30 270,786,926		45 467,933,206	2 116 40	7,855,850		3,252,517 1	42,611,695 2	2 50,864,212	1 400,296,506	1 13 22 320,548,882	2 16	11 64,707,553 1	66 34 72,960,00	
64 Veridian Connections Inc. 65 Wasaga Distribution Inc.	16,332,332 : 2 385 191	4 2,693,631 19,025,963 1 3 26,401 2,411,591	14 18,086,912 1 45 1.165.103 5	10 37,112,875 : 54 3.576,694 :	15 152,970,000 51 6 320,000	9 24	60 152,970,000	9 24 54 57	58 14,873,397 9 530,215	13 122 :	28 31,199,796 6 1,837,059	15 119 39 52 195 13	275,672 1	1 121,369	397,041 9	4,125,057 S	9 4,522,099 5 3 176.877 5	9 40,482,340	9 11 33 40,482,340 55 10 44 1.814,647	9 11	34 4,935,532 11 44 232,600 58	84 13 5,203,64 76 19 232,60	
66 Waterloo North Hydro Inc.	12,799,897	16 1,083,855 13,883,752	20 10,576,686 1	18 24,460,438	19 82,380,000	16 30	50 82,384,212	16 30	48 8,465,944		26 15,800,261	23 155 23	0 3	0 0	0 43	1,816,067	9 1,816,067 1	9 21,192,868	16 9 54 21,192,868	16 9	53 3,185,447 18	57 41 3,185,44	47 18 57 45
67 Welland Hydro-Electric System Corp.	1,729,306	18 230,560 1,959,866 5	51 3,416,423 3 59 522,470 6	5,376,290	42 25,500,000	35 21	66 25,500,101	33 21	67 3,976,815		51 8,694,159	31 62 64	163,173 1	3 0	163,173 15	571,216 37	7 734,389 3	4 6,584,437	35 11 34 6,584,434	34 11	35 932,633 36	61 36 1,108,54	
68 Wellington North Power Inc. 69 West Coast Huron Energy Inc.	709,927 5 438,855 6	88 86,269 796,196 5 52 1,041,276 1,480,131 5	59 522,470 6 55 1,033,396 5	52 1,318,666 6 55 2,513,526 5	55 8,080,000 55 8,080,000	55 22	64 5,897,926 46 8,175,845	55 22 52 31	61 757,400 44 829.562		59 1,467,327 27 1,752,338	58 90 58 54 143 26	0 3	0 0	0 43	141,935 57 169,605 54	7 141,935 5 4 169,605 5	7 1,493,412 5 2,012,404	56 10 47 1,493,412 54 8 58 2,012,404	59 10	47 236,870 57 56 240,844 56	60 37 236,87 70 30 240,84	
70 Westario Power Inc.	4,282,957	4 1,285,842 5,568,799	32 3,071,071 3	87 8,639,870	35 23,010,000	36 38	26 23,824,531	35 36	35 5,570,909	29 55	63 9,007,283	30 96 55	0 3	0 0	0 43	553,926 40	0 553,926 4	0 6,101,269	36 9 50 6,101,269	36 9	49 1,152,483 34	48 54 1,152,48	85 34 48 55
71 Whitby Hydro Electric Corporation	6,210,809	410,389 6,621,198	28 10,455,293	20 17,076,491	24 58,440,000	20 29	51 58,440,000	21 29	49 9,262,887	19 113	34 15,473,631	24 110 44	50,281 2	1 0	50,281 24	1,690,118 21	1 1,740,399 2	2 15,860,460	19 11 36 15,860,460	19 11	36 811,391 41	208 1 811,39	1 42 214 1
Total	1,117,489,826	372,776,418 1,490,266,244	1,154,154,798	2,644,421,042	6,999,990,000	38	6,961,838,409	38	1,160,312,103	99	2,298,209,799	115	22,426,566	2,398,699 24	1,825,265	205,478,075	230,303,339	1,835,264,933	13 1,753,574,871	13	324,567,014	63 353,772,24	.7 65

Progress Report

For: Lakeland Power Distribution Ltd.

2015-2020 Conservation First Framework Programs

Residential Province-Wide Programs 1 Save on Energy Coupon Program
2 Save on Energy Heating & Cooling Program 3 Save on Energy New Construction Program 4 Save on Energy Home Assistance Program

Sub-total: Residential Province-Wide Programs

Business Province-Wide Programs 5 Save on Energy Audit Funding Program
6 Save on Energy Retrofit Program 7 Save on Energy Small Business Lighting Program
8 Save on Energy High Performance New Construction Program 9 Save on Energy Existing Building Commissioning Program
10 Save on Energy Process & Systems Upgrades Program
11 Save on Energy Energy Manager Program Save on Energy Monitoring & Targeting Program
 Save on Energy Retrofit Program - P4P 4 Save on Energy Process & Systems Upgrades Program - P4P

Local & Regional Programs

15 Adaptive Thermostat Local Program

16 Business Refrigeration Incentives Local Program 7 Conservation on the Coast Home Assistance Local Program 18 Conservation on the Coast Small Business Lighting Local Program 19 First Nations Conservation Local Program
20 High Efficiency Agriculturual Pumping Local Program 21 Instant Savings Local Program
22 OPsaver Local Program
23 PUMPsaver Local Program 24 Social Benchmarking Local Program
25 THESL Swimming Pool Efficiency Local Program Sub-total: Local & Regional Programs

LDC Innovation Fund Pilot Programs

26 Air Source Heat Pump for Residential Water Heating Pilot Program 20 Au 3 outce read in prior insulantal water neating into ringiani 27 Building Optimization Pilot Program 28 Conservation Voltage Regulation Leveraging AMI Data Pilot Program 29 Demand Control Kitchen Ventilation Pilot Program 30 Direct Install - Hydronic Pilot Program 1 Direct Install - RTU Controls Pilot Program 32 Electronically Commutated Furnace Motor Pilot Program
33 Electronics Takeback Pilot Program 34 Home Energy Assessment and Retrofit Pilot Program
35 HONI HP Pilot Program 36 P4P for Class B Office Pilot Program 37 Performance Based Conservation Pilot Program
38 Re-Invest Pilot Program

39 Residential Direct Install Pilot Program
40 Residential Direct Mail Pilot Program 41 Residential Ductless Heat Pump Pilot Program
42 Residential Install Pilot Program 3 Social Benchmarking Pilot Program

44 Solar Powered Attic Ventilation Pilot Program 45 Truckload Event Pilot Program
Sub-total: LDC Innovation Fund Pilot Programs

Program Enabled Savings

46 | Save on Energy Retrofit Program Enabled Savings

47 | Save on Energy High Performance New Construction Program Enabled Savings

48 | Save on Energy Process & Systems Upgrades Program Enabled Savings Sub-total: Program Enabled Savings

49 Proposed Program or Pilot 50 Unassigned Target Sub-total: Other

Sub-total: 2015-2020 Conservation First Framework

Conservation Fund | 51 | EnerNOC Conservation Fund Pilot Program | 52 | Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program

53 Loblaw P4P Conservation Fund Pilot Program
54 Ontario Clean Water Agency P4P Conservation Fund Pilot Program

55 Social Benchmarking Conservation Fund Filot Program 56 Strategic Energy Group Conservation Fund Pilot Program Sub-total: Conservation Fund

2011-2014+2015 Extension Legacy Framework Programs

Residential Program 57 Appliance Retirement Initiative 58 Coupon Initiative 59 Bi-Annual Retailer Event Initiative 60 HVAC Incentives Initiative
61 Residential New Construction and
Sub-total: Residential Program 1 Residential New Construction and Major Renovation Initiative

Commercial & Institutional Program

62 Energy Audit Initiative
63 Efficiency: Equipment Replacement Incentive Initiative 64 Direct Install Lighting and Water Heating Initiative New Construction and Major Renovation Initiative 66 Existing Building Commissioning Incentive Initiative Sub-total: Commercial & Institutional Program Industrial Program

67 Process and Systems Upgrades Initiatives - Project Incentive Initiative
68 Process and Systems Upgrades Initiatives - Energy Manager Initiative Process and Systems Upgrades Initiatives - Monitoring and Targeting Initia Sub-total: Industrial Program Low Income Program

70 Low Income Initiative Sub-total: Low-Income Program

71 Aboriginal Conservation Program
72 Program Enabled Savings
Sub-total: Other

Sub-total: 2011-2014+2015 Extension Legacy Framework

Net Incremental 2020 Annual Energy Savings (Progress towards 2015 - 2020 CFF LDC CDM Plan Target) >

Total Resource Cost - Cost Effectiveness Test - Gross Benefit >

Total Resource Cost - Cost Effectiveness Test - Gross Cost >

Total Resource Cost - Cost Effectiveness Test - Net Benefit >

Total Resource Cost - Cost Effectiveness Test - Net Benefit Ratio >

Program Administrator Cost - Cost Effectiveness Test - Gross Benefit >

Program Administrator Cost - Cost Effectiveness Test - Gross Cost >

Program Administrator Cost - Cost Effectiveness Test - Net Benefit >

Program Administrator Cost - Cost Effectiveness Test - Net Benefit >

Program Administrator Cost - Cost Effectiveness Test - Net Benefit Ratio >

Progress Report

2015-2020 Conservation First Framework Programs 2 Save on Energy New Construction Program 3 Save on Energy New Construction Program 3 Save on Energy New Construction Program

lus	iness Province-Wide Programs
5	Save on Energy Audit Funding Program
6	Save on Energy Retrofit Program
7	Save on Energy Small Business Lighting Program
8	Save on Energy High Performance New Construction Program
9	Save on Energy Existing Building Commissioning Program
10	Save on Energy Process & Systems Upgrades Program
11	Save on Energy Energy Manager Program
12	Save on Energy Monitoring & Targeting Program
13	Save on Energy Retrofit Program - P4P
14	Save on Energy Process & Systems Upgrades Program - P4P
ub	-total: Business Province-Wide Programs

Net Incremental 2020 Annual Energy Savings (Progress towards 2015 - 2020 CFF LDC CDM Plan Target) >

Net Incremental 2020 Annual Peak Demand Savings >

	Save on Energy Home Assistance Program
Sub	total: Residential Province-Wide Programs
Busi	ness Province-Wide Programs
5	Save on Energy Audit Funding Program
6	Save on Energy Retrofit Program
7	Save on Energy Small Business Lighting Program
8	Save on Energy High Performance New Construction Program
9	Save on Energy Existing Building Commissioning Program
10	Save on Energy Process & Systems Upgrades Program
11	Save on Energy Energy Manager Program
12	Save on Energy Monitoring & Targeting Program
13	Save on Energy Retrofit Program - P4P
14	Save on Energy Process & Systems Upgrades Program - P4P
ub	total: Business Province-Wide Programs
oca	l & Regional Programs
	Adaptive Thermostat Local Program
	Business Refrigeration Incentives Local Program
	Conservation on the Coast Home Assistance Local Program
	Conservation on the Coast Small Business Lighting Local Program
19	First Nations Conservation Local Program
	High Efficiency Agriculturual Pumping Local Program
	Instant Savings Local Program
22	OPsaver Local Program
	PUMPsaver Local Program
24	Social Benchmarking Local Program
25	THESL Swimming Pool Efficiency Local Program
Sub	total: Local & Regional Programs
חר	Innovation Fund Pilot Programs
	Air Source Heat Pump for Residential Water Heating Pilot Program
	Building Optimization Pilot Program
	Conservation Voltage Regulation Leveraging AMI Data Pilot Program
	Demand Control Kitchen Ventilation Pilot Program
	Direct Install - Hydronic Pilot Program
_	Direct Install - RTU Controls Pilot Program
	Electronically Commutated Furnace Motor Pilot Program
	Electronics Takeback Pilot Program
	Home Energy Assessment and Retrofit Pilot Program
	HONI HP Pilot Program
	P4P for Class B Office Pilot Program
	Performance Based Conservation Pilot Program
	Re-Invest Pilot Program
	Residential Direct Install Pilot Program

SL Swimming Pool Efficiency Local Program il: Local & Regional Programs yoution Fund Pilot Programs Source Heat Pump for Residential Water Heating Pilot Program ding Optimization Pilot Program servation Voltage Regulation Leveraging AMI Data Pilot Program set Install - Hydronic Pilot Program ett Install - Hydronic Pilot Program ett Install - TU Controls Pilot Program ettonsial Takeback Pilot Program ettonically Commutated Furnace Motor Pilot Program ettonical Takeback Pilot Program etten Enery Assessment and Retrofit Pilot Program
ovation Fund Pilot Programs Source Heat Pump for Residential Water Heating Pilot Program ding Optimization Pilot Program servation Voltage Regulation Leveraging AMI Data Pilot Program and Control Kitchen Ventilation Pilot Program set Install - Hydroin Pilot Program set Install - Hydroin Pilot Program tronically Commutated Furnace Motor Pilot Program tronically Commutated Furnace Motor Pilot Program
Source Heat Pump for Residential Water Heating Pilot Prograi ding Optimization Pilot Program servation Voltage Regulation Leveraging AMI Data Pilot Program and Control Kitchen Ventilation Pilot Program etc Install - Hydronic Pilot Program etc Install - RTU Controls Pilot Program tct nick and the Pilot Program tct nick program tctonically Commutated Furnace Motor Pilot Program tctonics Takeback Pilot Program
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Invest Pilot Program
idential Direct Install Pilot Program
idential Direct Mail Pilot Program
idential Ductless Heat Pump Pilot Program
idential Install Pilot Program
ial Benchmarking Pilot Program
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ar Powered Attic Ventilation Pilot Program

Prog	gram Enabled Savings
46	Save on Energy Retrofit Program Enabled Savings
47	Save on Energy High Performance New Construction Program Enabled Sav
48	Save on Energy Process & Systems Upgrades Program Enabled Savings

49 Proposed Program or Pilot 50 Unassigned Target Sub-total: Other Sub-total: 2015-2020 Conservation First Framework

Co	nser	vation Fund
	51	EnerNOC Conservation Fund Pilot Program
	52	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Progra
	53	Loblaw P4P Conservation Fund Pilot Program
	54	Ontario Clean Water Agency P4P Conservation Fund Pilot Program
	55	Social Benchmarking Conservation Fund Pilot Program
	E C	Stratogic Energy Group Consequation Fund Bilat Brogram

Sub-total: Conservation Fund

57	Appliance Retirement Initiative	
58	Coupon Initiative	
59	Bi-Annual Retailer Event Initiative	
60	HVAC Incentives Initiative	
ub-	Residential New Construction and Major Renovation Initiative total: Residential Program	
om	total: Residential Program Imercial & Institutional Program	
om 62	total: Residential Program Imercial & Institutional Program Energy Audit Initiative	
om 62 63	total: Residential Program mercial & Institutional Program Energy Audit Initiative Efficiency: Equipment Replacement Incentive Initiative	
62 63	total: Residential Program Imercial & Institutional Program Energy Audit Initiative	
62 63 64	total: Residential Program mercial & Institutional Program Energy Audit Initiative Efficiency: Equipment Replacement Incentive Initiative	

62 Energy Audit Initiative 63 Efficiency: Equipment Replacemen	
64 Direct Install Lighting and Water He	eating Initiative
65 New Construction and Major Reno	vation Initiative
66 Existing Building Commissioning In-	centive Initiative
Sub-total: Commercial & Institutional	Program

68	Process and Systems Upgrades Initiatives - Energy Manager Initiative
69	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiat
Sub-	total: Industrial Program
Low	Income Program
_	Income Program Low Income Initiative

	71	Aboriginal Conservation Program		
	72	Program Enabled Savings		
	Sub-total: Other			
Su	b-to	al: 2011-2014+2015 Extension Legacy Framework		

Program Administrator Cost - Cost Effectiveness Test - Net Benefit Ratio Total Resource Cost - Cost Effectiveness Test - Net Benefit Ratio Total Resource Cost - Cost Effectiveness Test - Net Ber Total Resource Cost - Cost Effectiveness Test - Gross

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Final Verified 2016 Annual LDC CDM Program Results Report Methodology

All results are at the end-user level (not including transmission and distribution losses) and reported to IESO by April 15, 2017. 2015 results are based on projects completed between January 1, 2015 and December 31, 2015 and reported to the IESO by March 31, 2016. 2015 Adjustment results are based on projects completed between January 1, 2015 and December 31, 2015 and reported to the IESO by March 31, 2016. 2015 Adjustment results are based on projects completed between January 1, 2016 and December 31, 2015 and reported to the IESO by March 31, 2016 and April 15, 2017.

Legacy Framework results are based on projects begun after an LDC's transition to the Conservation First Framework program and projects transitioned to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework program and projects transitioned to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework program and projects transitioned to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework program and projects transitioned to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework results are based on projects begun after an LDC's transition for the Conservation First Framework results are based on projects begun after an LDC's transition for the Conservation First Framework results are based on projects begun after an LDC's transition for the Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework results are based on projects begun after an LDC's transition for the Conservation First Framework results are based on projects begun after an LDC's transition for the Conservation First Framework results are based on projects begun after an LDC's transition for the Conservation First Framework results are based on projects begun after an LDC's transition for the Conserv

Savings Calculations

#	Project Type	Attributing Savings to LDCs
		Gross Reported Savings = Activity * Per Unit Assumption Savings Gross Verified Savings = Gross Reported Savings * Realization Rate Net Verified Savings = Gross Serified Savings * Realization Rate Net Verified Savings = Gross Verified Savings * Net Co-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)
		Gross Reported Savings = Reported Savings Gross Verified Savings = Gross Reported Savings * Realization Rate Net Verified Savings = Gross Serified 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)
	3 Adjustments to Previous Years' Verified Results	All variances from the Final Annual Results Reports from prior years will be adjusted within this report. Any variances with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the annual effect of energy savings.

Cost Determination

Costs are determined and allocated to the period based on the date the cost has been reported to the IESO regardless of when the cost was incurred.

E.g. if an LDC reports by the December 2016 IESO Reporting Period: 1) program savings; 2) Participant Incentives; and 3) Administrative Expenses associated with a 2016 completed project, then: a) the savings; b) expenditures; and c) corresponding cost effectiveness; are attributed to the 2016 program year.

However if the same is reported in or after the January 2017 IESO Reporting Period: i) the savings will be attributed to the 2016 program year, ii) the expenditures will be attributed to the 2017 program year and will not appear in the 2016 Verified Results Report; but iii) the project's Participant Incentives will be used to calculate 2016 Cost Effectiveness;

2015-2020 Conservation First Framework

#	Program	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings	
1	Save on Energy Coupon Program	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on Consumer Program Allocation Reference Table.	April 15, 2017	Savings are considered to begin in the year in which the coupon was redeemed.		
2	Save on Energy Heating & Cooling Program	Results directly attributed to LDC based on customer applications and postal code.	April 15, 2017	Savings are considered to begin in the year that the installation occurred.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the	
3	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in LDC Report	April 15, 2017	Savings are considered to begin in the year of the project completion date.	market (gross) taking into account net-to-gross factors such as free- ridership and spillover (net) at the measure level.	
4	Save on Energy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year in which the measures were installed.		
5	Save on Energy Audit Funding Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings 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).	
6	Save on Energy Retrofit Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date as reported in the LDC Report	Peak demand and energy savings are determined by the total savings for a given project as reported in the ICON system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&D votocols 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-diestips) and spillover (net). Both realization rate and net-to-gross ratios scan differ for energy and demand savings and depend on the nix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).	
7	Save on Energy Small Business Lighting Program	Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings 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 spillower for both peak demand and energy savings at the program level (net).	
	Save on Energy High Performance New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported in the CDM LDC Report Template.	
9	Save on Energy Existing Building Commissioning Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date.	Preliminary unverified net savings are calculated by multiplying reported savings by 2014 Net-to-gross ratios and realization rates.	
10	Save on Energy Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	April 15, 2017	Savings are considered to begin in the year in which the project was in-service.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is	
11	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year in which the project was completed by the energy manager.	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 buils were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).	
	Save on Energy Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year in which the incentive project was completed.		

Sequence of American Resident for larger in the part in which the seal state of the sequence of 2008 2500 microrized and s	2014+2015 Extension Legacy Framework				
Section of the control of the contro	Initiative	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings
April 1, 2017 Processing the second formation in the content to the part of the part o	1 saveONenergy Appliance Retirement Initiative	based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer	April 15, 2017	Savings are considered to begin in the year the appliance is picked up.	
April 1, 2017 April 1, 201			April 15, 2017		Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the
Part Column Col			April 15, 2017		market (gross) taking into account net-to-gross factors such as free- ridership and spillover (net) at the measure level.
April 1, 2017 In any Chinesey Efficiency Equipment Registerment Product on the Construction Register and density attributed to LDC based on LDC densitied in the application. April 1, 2017 In any Chinesey Efficiency Equipment Registerment Product on the density attributed to LDC based on LDC densitied in the application. April 1, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the April 2, 2017 In any Chinesey Efficiency Equipment Registerment Product on the Expert Efficiency Efficiency Expert Efficiency Efficiency Expert Expert Efficiency Exper			April 15, 2017		
registation. April 13, 2017 proceduring finegy Audit registation. April 13, 2017 proceduring finegy Audit and application. April 13, 2017 proceduring finegy Audit and April 13, 2017 proceduring finegra and discovery articles and application for a control proceduring fine and application fine and application fine and application fine and application fine app			April 15, 2017		
Foundation are directly attributed to IDC based on IDC desified at the facility well in the CON system. April 15, 2017 Foundation are size as page for excellent fill being an excellent fill being an excellent fill being in the year of the actual project configuration date in the CON system. April 15, 2017 Foundation are directly attributed to IDC based on IDC desified on the excellent fill being an excellen			April 15, 2017	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings 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).
Results are directly attributed to LDC based on the LDC specified on the work order. Part of the service of th	7 saveONenergy Efficiency: Equipment Replacement	facility level in the iCon system. Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for	April 15, 2017		Additional Note: project counts were derived by filtering out invalid statuses (e.g. Post-Project Submission - Payment denied by LDC) and only including projects with an "Actual Project Completion Date" in
Peak demand and energy savings are determine for a given project as reported (reported). A real application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in the application. April 15, 2017 Savings are considered to begin in the year in which the incentive project was completed. Feak demand and energy savings are determine for a given project was reported (proported). Are applied to the reported savings to ensure that it would not be application. Savings are considered to begin in the year in which the incentive project was completed. Feak demand and energy savings are determine application. Savings are considered to begin in the year in which the incentive project was completed. Savings are considered to begin in the year in which the incentive project was completed. Feak demand and energy sa			April 15, 2017		Peak demand and energy savings 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-ogross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the application. Results are directly attributed to LDC based on LDC identified in the			April 15, 2017		Peak demand and energy savings 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
application. April 15, 2017 project was completed. Peak demand and energy savings are determine from a given project as reported (reported). Are 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. Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. April 15, 2017 Savings are considered to begin in the year in which the incentive project was completed. Peak demand and energy savings are determine from a given project as reported (reported). Are with EMAX protocols and reflect the savings will begin the year of the Quarterly Report submitted by the energy manager. Results are directly attributed to LDC based on LDC identified in the application. April 15, 2017 Savings are considered to begin in the year in which the incentive project was completed. Peak demand and energy savings are determine from a given project as reported (reported). Are with EMAX protocols and reflect the savings will be energy manager. Results are directly attributed to LDC based on LDC identified in the application. Peak demand and energy savings are determine from a given project as reported (reported). Are with EMAX protocols and reflect the savings will be energy manager. April 15, 2017 Savings are considered to begin in the year in which the incentive project was completed. Peak demand and energy savings are determine from a given project as reported (reported). Are with EMAX protocols and reflect the savings will be applied to the reported savings are determine from a given project as reported sovings to ensure that with EMAX protocols and reflect the savings will be applied to the reported sovings are considered to begin in the year in which the incentive project was completed. Peak demand and energy savings are determined completed to the savings are determined to the project was completed. Peak demand and energy savings a			April 15, 2017		with EMM y protocos 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).
Results are directly attributed to LDC based on LDC identified in application. Results are directly attributed to LDC based on LDC identified in application. April 15, 2017 Savings are considered to begin in the year in which the project was completed by the energy manager. Completed by the energy manager. Savings are considered to begin in the year in which the project was completed by the energy manager. Results are directly attributed to LDC based on LDC identified in application. April 15, 2017 Savings are considered to begin in the year in which the incentive project was completed. Savings are considered to begin in the year in which the incentive project was completed. April 15, 2017 Savings are considered to begin in the year in which the incentive project was completed. Peak demand and energy savings are determine savings to ensure that of the RAPI 15, 2017 Savings are considered to begin in the year in which the measures were installed. Peak demand and energy savings are determine level per unit assumption multiplied by the uptate (gross), italiance to the project was considered to begin in the year in which the measures were installed.			April 15, 2017		Peak demand and energy savings are determined by the total savings
13 saveONenergy Monitoring & Targeting Results are directly attributed to LDC based on LDC identified in application. April 15, 2017 Savings are considered to begin in the year in which the incentive project was completed. 14 saveONenergy Home Assistance Program Results are directly attributed to LDC based on LDC identified in the application. April 15, 2017 Savings are considered to begin in the year in which the measures were installed. Peak demand and energy savings are determined level per unit assumption multiplied by the uptal gross), taking into account net-to-gross factors. Results are directly attributed to LDC based on LDC identified in the april 15, 2017			April 15, 2017	completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy	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
application. Savings are considered to begin in the year in which the measures level per unit assumption multiplied by the uptal service per service and the update of the uptal service per unit assumption multiplied by the uptal were installed. Results are directly attributed to LDC based on LDC identified in the and update of the uptal service per unit assumption multiplied by the uptal groups. A least per unit assumpti			April 15, 2017		factors such as free-ridership and spillover (net).
15 Aboriginal Conservation Program Results are directly attributed to LDC based on LDC identified in the directly attributed to LDC			April 15, 2017		Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure
			April 15, 2017	were installed.	(gross), taking into account net-to-gross factors such as free- ridership and spillover (net) at the measure level.
16 Program Enabled Savings April 15, 2017	16 Program Enabled Savings		April 15, 2017		

-		
#	Local Distribution Company	Allocation (%)
1	Algoma Power Inc.	0.18
2	Atikokan Hydro Inc.	0.02
3	Attawapiskat Power Corporation	0.01
4	Bluewater Power Distribution Corporation	0.62
5	Brantford Power Inc.	0.67
6	Burlington Hydro Inc.	1.34
7	Canadian Niagara Power Inc.	0.35
	Centre Wellington Hydro Ltd.	0.11
	Chapleau Public Utilities Corporation	0.03
	COLLUS PowerStream Corp.	0.25
	Cooperative Hydro Embrun Inc. E.L.K. Energy Inc.	0.06
	Energy+ Inc.	1.12
	Enersource Hydro Mississauga Inc.	4.64
15	Entegrus Powerlines Inc.	0.70
16	EnWin Utilities Ltd.	1.49
17	Erie Thames Powerlines Corporation	0.32
18	Espanola Regional Hydro Distribution Corporation	0.06
19	Essex Powerlines Corporation	0.61
20	Festival Hydro Inc.	0.32
21	Fort Albany Power Corporation	0.01
22	Fort Frances Power Corporation	0.09
23	Greater Sudbury Hydro Inc.	0.80
24	Grimsby Power Incorporated	0.18
25	Guelph Hydro Electric Systems Inc.	0.85
	Halton Hills Hydro Inc.	0.59
	Hearst Power Distribution Company Limited	0.05
	Horizon Utilities Corporation	3.72
	Hydro 2000 Inc.	0.04
	Hydro Hawkesbury Inc.	0.15
	Hydro One Brampton Networks Inc.	3.59
	Hydro One Networks Inc.	27.29
	Hydro Ottawa Limited	6.61 0.33
	Kashechewan Power Corporation	0.02
	Kenora Hydro Electric Corporation Ltd.	0.09
	Kingston Hydro Corporation	0.29
38	Kitchener-Wilmot Hydro Inc.	1.51
39	Lakefront Utilities Inc.	0.11
40	Lakeland Power Distribution Ltd.	0.23
41	London Hydro Inc.	2.61
42	Midland Power Utility Corporation	0.10
43	Milton Hydro Distribution Inc.	0.66
44	Newmarket-Tay Power Distribution Ltd.	0.60
45	Niagara Peninsula Energy Inc.	0.82
46	Niagara-on-the-Lake Hydro Inc.	0.13
	North Bay Hydro Distribution Limited	0.42
	Northern Ontario Wires Inc.	0.09
	Oakville Hydro Electricity Distribution Inc.	1.51
	Orangeville Hydro Limited	0.20
	Orillia Power Distribution Corporation	0.22
	Oshawa PUC Networks Inc. Ottawa River Power Corporation	1.48 0.12
	Ottawa River Power Corporation Peterborough Distribution Incorporated	0.12
	PowerStream Inc.	7.82
	PUC Distribution Inc.	0.65
57	Renfrew Hydro Inc.	0.05
	Rideau St. Lawrence Distribution Inc.	0.07
59	Sioux Lookout Hydro Inc.	0.08
60	St. Thomas Energy Inc.	0.28
61	Thunder Bay Hydro Electricity Distribution Inc.	0.82
62	Tillsonburg Hydro Inc.	0.12
62	Toronto Hydro-Electric System Limited	15.57
J	Veridian Connections Inc.	2.39
	vertulan Connections inc.	
64		0.18
64		0.18
64 65	Wasaga Distribution Inc.	
64 65 66	Wasaga Distribution Inc. Waterloo North Hydro Inc.	0.96 0.31 0.06
64 65 66 67 68	Wasaga Distribution Inc. Waterloo North Hydro Inc. Welland Hydro-Electric System Corp. Wellington North Power Inc. West Coast Huron Energy Inc.	0.96 0.31 0.06
64 65 66 67 68 69	Wasaga Distribution Inc. Waterloo North Hydro Inc. Welland Hydro-Electric System Corp. Wellington North Power Inc. West Coast Huron Energy Inc. Westario Power Inc.	0.96 0.31 0.06 0.06
64 65 66 67 68 69	Wasaga Distribution Inc. Waterloo North Hydro Inc. Welland Hydro-Electric System Corp. Wellington North Power Inc. West Coast Huron Energy Inc. Westario Power Inc. Whitby Hydro Electric Corporation	0.96 0.31 0.06

Final Verified 2016 Annual LDC CDM Program Results Report Glossary

#	Term	Definition			
	Reporting Terms				
1	Forecast	An LDCs' forecast of program activity, savings, net-to-gross adjustments, expenditures and cost effectiveness as indicated in each LDC's submitted CDM Plan Cost Effectiveness Tools. Forecasts at the province wide level are the sum of all LDCs' forecasts.			
2	Reported	Program activity savings and expenditures as determined by the LDC. For savings: 1) for prescriptive projects/programs: calculating quantity x prescriptive savings assumptions, and 2) for engineered or custom program projects/programs: calculated using prescribed methodologies.			
3	Verified	The IESO's annually EM&V assessed program activity, savings, net-to-gross, expenditures and cost effectiveness. Preliminary Verified results are provided by June 1st of each year and Final Verfled results are provided by July 1st of each year.			
4	Adjustment	Verified results that were achieved in previous years but were not provided in a previous years' Annual Verified Results Report.			
5	Progress or Comparison	An assessment of Actual results versus Verified results.			
	Framework Terms	Programs in market from 2011-2015 resulting from the April 23, 2010 GEA CDM			
6	2011-2014+2015 Extension Legacy Framework	Ministerial Directive and funded separately from 2015-2020 Conservation First Framework Programs but whose savings in 2013 are attributed towards the 2015-202 Conservation First Framework traget. Programs in market from 2015-2020 resulting from the March 31, 2014 CFF			
7	2015-2020 Conservation First Framework	Ministerial Directive and funded separately from 2011-2014+2015 Extension Legacy Framework Programs.			
8	LDC Innovation Fund	A source of funding under the 2015-2020 Conservation First Framework separate froi LDC CDM Plan Budgets that the IESO maintains to support LDC led program design an market testing of new initiatives. Savings from LDC Innovation Fund pilot programs contribute to the LDCs savings targets based on the LDC service territory the pilot program is delivered in.			
9	Conservation Fund	A source of funding external to the 2015-2020 Conservation First Framework that provides financial support for innovative electricity conservation technologies, practices, research, and pilot programs. Savings from Conservation Fund pilot programs contribute to the LDCs savings targets based on the LDC service territory the pilot program is delivered in.			
	Programs Terms				
10	Program	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (e.g. Coupon; or Retrofit;) from the 2015-2020 Conservation Firs			
_	Province-Wide Program	Framework.			
11	Province-Wide Program Regional Program	Programs available to all LDCs to deliver and that are consistent across the province. Programs designed by LDCs to serve their region and approved by the IESO.			
13	Local Program	Programs designed by LDCs to serve their communities and approved by the IESO.			
14	Pilot Program	A program pilot that may achieve energy or demand savings and is funded separately from an LDC's CDM Plan Budget.			
15	Initiative	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (e.g. Fridge & Freezer Pickup) from the 2011-2014+2015			
	Activity Terms	Extension Legacy Framework.			
16	Participation	A measure of the level of program participation, such as number of projects, homes,			
17	Unit of Measure	equipment, etc For a specific initiative the relevant type of participation acquired in the market place (e.g. appliances picked up; coupon products installed; HVAC equipment installed;			
_	Savings Terms	audits performed; or projects completed;).			
18	Energy Savings	Energy savings attributable to conservation and demand management activities.			
		Peak Demand savings attributable to conservation and demand management			
19	Peak Demand Savings	activities, as determined by the IESO's EM&V Protocols.			
20	Incremental Savings	The energy or peak demand savings newly attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'. Savings attributed to activity performed or completed in 2016 are presented as 2016 savings.			
21	First Year Savings	The energy or peak demand savings that occur in the year it was achieved (includes resource savings from only new program activity).			
22	Annual Savings	The energy or peak demand savings that occur in a given year (includes resource savings from new program activity and resource savings persisting from previous			
23	Gross Savings	years). The energy or peak demand savings that have been reported based on a conservation			
	Net Savings	and demand management program's participation tracking. The energy or peak demand savings attributable to conservation and demand			
	Realization Rate	management activities, net of free-riders, spill over, etc. A comparison of originally reported savings and observed or measured savings that adjusts reported savings to arrive at verified savings. Accounts for discrepancies such as audited measure counts; adjustment for connected demand savings to peak			
26	Net-to-Gross Adjustment	demand savings; etc. The ratio of net savings to gross savings, which takes into account factors such as free-ridership, spillover, etc.			
27	Free-ridership	free-ridership, spillover, etc. The percentage of participants who would have implemented the program measure of practice in the absence of the program.			
		Reductions in energy consumption and/or demand caused by the presence of the			
28	Spillover	energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.			
29	Allocated Target	Each LDC's assigned portion of the Province's 7 TWh Net 2020 Annual Energy Savings Target of the 2015-2020 Conservation First Framework.			
	Costs Terms				
30	Participant Incentive	Costs incurred in the delivery of a program related to incenting participants to perform peak demand or energy savings.			
31	LDC Administrative Expense	Costs reported by the LDC in the delivery of a program related to labour, marketing, third-party expenses, etc.			
32	IESO Value Added Services Cost	Costs incurred by the IESO's Value Added Service Provider related to associated programs (Coupons and Heating & Cooling), and charged to the LDC in which the programs's activity took place.			
33	Total Administrative Expense	The sum of LDC Adminstrative Expense and IESO Value Added Services Cost.			
		The sum of Total Administrative Expenses and Participant Incentives.			
		All costs are presented based on the period reported by LDCs to the IESO, not necessarily associated with reported activity.			
34	Delivery Cost	E.g. if an LDC reports by the December 2016 IESO Reporting Period: 1) program savings; 2) Participant Incentives; and 3) Administrative Expenses associated with 2016 completed project, then: a) the savings; b) expenditures; and c) corresponding cost effectiveness; are attributed to the 2016 program year.			
		However if the same is reported in or after the January 2017 IESO Reporting Periot i) the savings will be attributed to the 2016 program year; ii) the expenditures will be attributed to the 2017 program year and will not appear in the 2016 Verified Results Report; but iii) the project's Participant Incentives will be used to calculate 2016 Cost Effectiveness;			
35	Allocated Budget	Each LDC's assigned portion of the Province's \$ 1.835 billion CDM Plan Budget of the 2015-2020 Conservation First Framework.			
	Cost Effectiveness Terms				
36	Total Resource Cost Cost Effectiveness Test	A cost effectiveness test that measures the net cost of CDM based on the total costs of the program including both participants' and utility's costs.			
37	Program Administrator Cost Cost Effectiveness Test	A cost effectiveness test that measures the net cost of CDM based on costs incurred be the program administrator, including incentive costs and excluding net costs incurred by the cost of the cost o			
38	Levelized Unit Energy Cost Cost Effectiveness Test	by the participant. A cost effectiveness test that normalizes the costs incurred by the program			
		administrator per unit of energy or demand reduced.			