

ATTACHMENT 45
2011-2014 PERSISTENCE
SAVINGS REPORT
HORIZON UTILITIES RZ

QUESTION #16 2011 Tier 1 saveONenergy Program Results (By LDC)

Date: 10-Sep-12

Notes: Gross Peak Demand Savings for Demand Response 3 represents the megawatts under contract, the net peak demand savings r

Table is at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year
Tier 1	Consumer	Appliance Exchange	Horizon Utilities Corporatic	Residential	EE	2011
Tier 1	Consumer	Appliance Retirement	Horizon Utilities Corporatic	Residential	EE	2011
Tier 1	Consumer	Bi-Annual Retailer Ever	Horizon Utilities Corporatic	Residential	EE	2011
Tier 1	Consumer	Conservation Instant C	Horizon Utilities Corporatic	Residential	EE	2011
Tier 1	Consumer	HVAC Incentives	Horizon Utilities Corporatic	Residential	EE	2011
Tier 1	Consumer	Residential Demand Re	Horizon Utilities Corporatic	Residential	DR	2011
Tier 1	Consumer	Retailer Co-op	Horizon Utilities Corporatic	Residential	EE	2011
Tier 1	Business	Commercial Demand R	Horizon Utilities Corporatic	Commercial & Insti	DR	2011
Tier 1	Business	Demand Response 3 (p	Horizon Utilities Corporatic	Commercial & Insti	DR	2011
Tier 1	Business	Direct Install Lighting	Horizon Utilities Corporatic	Commercial & Insti	EE	2011
Tier 1	Business	Retrofit	Horizon Utilities Corporatic	Commercial & Insti	EE	2011
Tier 1	Business	Energy Audit	Horizon Utilities Corporatic	Commercial & Insti	EE	2011
Tier 1	Industrial	Demand Response 3	Horizon Utilities Corporatic	Industrial	DR	2011
Tier 1	Industrial	Retrofit	Horizon Utilities Corporatic	Industrial	EE	2011
Tier 1	Pre-2011 Progra	Electricity Retrofit Ince	Horizon Utilities Corporatic	Commercial & Insti	EE	2011
Tier 1	Pre-2011 Progra	High Performance New	Horizon Utilities Corporatic	Commercial & Insti	EE	2011

represents the ex-ante savings

Status	Notes:	Activity Unit Name	Activity/Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)	Net Annual Summer	
						2011	2012
Final; Released August 31, 2012		Appliances	186	0.04	42	0.02	0.02
Final; Released August 31, 2012		Appliances	3,034	0.35	2,496	0.17	0.17
Final; Released August 31, 2012		Products	35,186	0.06	1,087	0.07	0.07
Final; Released August 31, 2012		Products	21,540	0.04	735	0.05	0.05
Final; Released August 31, 2012		Installations	6,097	2.80	5,122	1.69	1.69
Final; Released August 31, 2012	New participan	Devices	1,952	1.09	3	1.09	0.00
Final; Released August 31, 2012	Custom retailer	Products	0	0.00	0	0.00	0.00
Final; Released August 31, 2012	New participan	Devices	0	0.00	0	0.00	0.00
Final; Released August 31, 2012	Gross reflects c	Facilities	5	0.71	21	0.54	0.00
Final; Released August 31, 2012		Projects	693	0.62	1,824	0.66	0.66
Final; Released August 31, 2012		Projects	71	1.19	6,499	0.86	0.86
Final; Released August 31, 2012	Not evaluated	Audits	5	0.00	0	0.00	0.00
Final; Released August 31, 2012	Gross reflects c	Facilities	6	4.15	205	3.50	0.00
Final; Released August 31, 2012		Projects	15	0.09	525	0.07	0.07
Final; Released August 31, 2012	Not evaluated;	Projects	118	5.88	33,886	3.07	3.07
Final; Released August 31, 2012	Not evaluated;	Projects	7	0.48	2,489	0.24	0.24

Peak Demand Savings (MW)														
2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.17	0.17	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.07	0.07	0.06	0.06	0.05	0.05	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.63	0.54	0.54	0.54	0.11	0.11	0.11	0.11	0.10	0.10	0.00	0.00	0.00	0.00	0.00
0.86	0.86	0.86	0.86	0.86	0.86	0.79	0.79	0.20	0.20	0.20	0.20	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	0.00	0.00	0.00	0.00
0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.18	0.18

													Net Annual Energy Savi	
2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2011	2012
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.44	21.44
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,238.87	1,238.87
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,188.09	1,188.09
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	810.29	810.29
1.69	1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,070.05	3,070.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.94	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,693.35	1,693.35
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,805.92	4,805.92
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	205.35	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	402.53	402.53
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17,700.22	17,700.22
0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.00	0.00	0.00	0.00	1,244.59	1,244.59

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,070.05	3,070.05	2,755.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
910.79	910.79	910.79	910.79	910.79	910.79	910.79	910.79	910.79	910.79	0.00	0.00	0.00	0.00

APPENDIX 2

2012 Tier 1 saveONenergy Program Results (By LDC)

Date: 07-Nov-13

Table is at the End User Level

Portfolio	Program	Initiative
Tier 1	Business	Direct Install Lighting
Tier 1	Business	Retrofit
Tier 1	Business	Energy Audit
Tier 1	Business	High Performance New Construction
Tier 1	Consumer	Appliance Exchange
Tier 1	Consumer	Appliance Retirement
Tier 1	Consumer	Bi-Annual Retailer Event
Tier 1	Consumer	Conservation Instant Coupon Booklet
Tier 1	Consumer	HVAC Incentives
Tier 1	Consumer	Residential Demand Response
Tier 1	Home Assistance	Home Assistance Program
Tier 1	Industrial	Demand Response 3
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)
Tier 1	Industrial	Energy Manager
Tier 1	Business	Commercial Demand Response (part of the Residential program schedule)
Non-Tier 1	Consumer	Residential and Small Commercial Demand Response
Non-Tier 1	Consumer	Residential and Small Commercial Demand Response
Non-Tier 1	Consumer	Residential and Small Commercial Demand Response
Non-Tier 1	Consumer	Residential and Small Commercial Demand Response
Non-Tier 1	Industrial	Demand Response 3
Non-Tier 1	Business	Residential and Small Commercial Demand Response
Non-Tier 1	Business	Residential and Small Commercial Demand Response
Non-Tier 1	Business	Residential and Small Commercial Demand Response
Non-Tier 1	Business	Demand Response 3
Tier 1 - 2011 Adjustment	Business	Retrofit
Tier 1 - 2011 Adjustment	Business	Direct Install Lighting
Tier 1 - 2011 Adjustment	Business	Energy Audit
Tier 1 - 2011 Adjustment	Pre-2011 Programs Completed in 2011	High Performance New Construction
Tier 1 - 2011 Adjustment	Consumer	HVAC Incentives
Tier 1 - 2011 Adjustment	Consumer	Bi-Annual Retailer Event
Tier 1 - 2011 Adjustment	Consumer	Conservation Instant Coupon Booklet

LDC	Sector	Conservation Resource Type	(Implementation) Year	Status	Activity Unit Name
Horizon Utilities Corporation	C&I	EE	2012	Final; Released August 31, 2013	Projects
Horizon Utilities Corporation	C&I	EE	2012	Final; Released August 31, 2013	Projects
Horizon Utilities Corporation	C&I	EE	2012	Final; Released August 31, 2013	Audits
Horizon Utilities Corporation	C&I	EE	2012	Final; Released August 31, 2013	Projects
Horizon Utilities Corporation	Residential	EE	2012	Final; Released August 31, 2013	Appliances
Horizon Utilities Corporation	Residential	EE	2012	Final; Released August 31, 2013	Appliances
Horizon Utilities Corporation	Residential	EE	2012	Final; Released August 31, 2013	Products
Horizon Utilities Corporation	Residential	EE	2012	Final; Released August 31, 2013	Products
Horizon Utilities Corporation	Residential	EE	2012	Final; Released August 31, 2013	Installations
Horizon Utilities Corporation	Residential	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Residential	EE	2012	Final; Released August 31, 2013	Projects
Horizon Utilities Corporation	Industrial	DR	2012	Final; Released August 31, 2013	Facilities
Horizon Utilities Corporation	C&I	EE	2012	Final; Released August 31, 2013	Projects
Horizon Utilities Corporation	C&I	DR	2012	Final; Released August 31, 2013	Facilities
Horizon Utilities Corporation	Industrial		2012	Final; Released August 31, 2013	
Horizon Utilities Corporation	C&I	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Residential	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Residential	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Residential	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Residential	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Industrial	DR	2012	Final; Released August 31, 2013	Facilities
Horizon Utilities Corporation	Business	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Business	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Business	DR	2012	Final; Released August 31, 2013	Devices
Horizon Utilities Corporation	Business	DR	2012	Final; Released August 31, 2013	Facilities
Horizon Utilities Corporation	C&I	EE	2011	Final; Released August 31, 2013	Projects
Horizon Utilities Corporation	C&I	EE	2011	Final; Released August 31, 2013	Projects
Horizon Utilities Corporation	C&I	EE	2011	Final; Released August 31, 2013	Projects
Horizon Utilities Corporation	C&I	EE	2011	Final; Released August 31, 2013	Buildings
Horizon Utilities Corporation	Residential	EE	2011	Final; Released August 31, 2013	Installations
Horizon Utilities Corporation	Residential	EE	2011	Final; Released August 31, 2013	Products
Horizon Utilities Corporation	Residential	EE	2011	Final; Released August 31, 2013	Products

			Net Annual Summer Peak Demand Savings (MW)						
Activity/ Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)	2011	2012	2013	2014	2015	2016	
662	0.608	1079.789	0.000	0.550	0.550	0.534	0.467	0.467	
178	2.207	12768.626	0.000	1.659	1.640	1.597	1.568	1.565	
3	0.021	42.023	0.000	0.016	0.016	0.016	0.016	0.000	
2	0.000	20.893	0.000	0.000	0.000	0.000	0.000	0.000	
131	0.025	65.609	0.000	0.019	0.019	0.019	0.019	0.000	
1671	0.127	1424.425	0.000	0.096	0.096	0.096	0.093	0.051	
42891	0.080	1181.405	0.000	0.060	0.060	0.060	0.060	0.055	
1249	0.012	56.527	0.000	0.009	0.009	0.009	0.009	0.009	
5007	1.451	4424.797	0.000	1.091	1.091	1.091	1.091	1.091	
5393	3.590	13.650	0.000	2.699	0.000	0.000	0.000	0.000	
235	0.032	-7.876	0.000	0.024	0.024	0.024	0.024	0.024	
7	8.571	-85.270	0.000	6.445	0.000	0.000	0.000	0.000	
3	0.195	1164.328	0.000	0.146	0.146	0.146	0.146	0.146	
4	0.706	7.718	0.000	0.531	0.000	0.000	0.000	0.000	
3	0.080	531.516	0.000	0.060	0.060	0.060	0.060	0.060	
9	0.008	0.033	0.000	0.006	0.000	0.000	0.000	0.000	
2,489.000	1.521	7.839	0.000	1.144	0.000	0.000	0.000	0.000	
67.000	0.044	0.235	0.000	0.033	0.000	0.000	0.000	0.000	
5,534.000	3.810	12.562	0.000	2.864	0.000	0.000	0.000	0.000	
2.000	0.001	0.007	0.000	0.001	0.000	0.000	0.000	0.000	
9.000	39.248	711.166	0.000	29.510	0.000	0.000	0.000	0.000	
48.000	0.041	0.175	0.000	0.031	0.000	0.000	0.000	0.000	
2.000	0.002	0.007	0.000	0.001	0.000	0.000	0.000	0.000	
42.000	0.036	0.153	0.000	0.027	0.000	0.000	0.000	0.000	
1.000	0.148	1.614	0.000	0.111	0.000	0.000	0.000	0.000	
16	0.149	813.113	0.112	0.112	0.112	0.112	0.112	0.111	
22	0.030	65.529	0.028	0.028	0.028	0.026	0.026	0.026	
10	0.052	251.763	0.052	0.052	0.052	0.052	0.052	0.000	
1	0.000	3337.431	0.295	0.295	0.295	0.295	0.295	0.295	
-1069	-0.715	-1309.150	-0.298	-0.298	-0.298	-0.298	-0.298	-0.298	
3308	0.005	95.962	0.004	0.004	0.004	0.004	0.004	0.004	
332	0.001	10.349	0.001	0.001	0.001	0.001	0.001	0.001	

Net Annual Energy Savings (MWh)								
2011	2012	2013	2014	2015	2016	2017	2018	2019
0.000	1,875.038	1875.04	1817.43	1,557.887	1,557.887	508.602	508.602	508.460
0.000	9,600.471	9,532.535	9,389.579	9,295.397	9,282.626	8,799.102	8,577.353	8,546.488
0.000	75.529	75.529	75.529	75.529	0.000	0.000	0.000	0.000
0.000	1.331	1.331	1.331	1.331	1.331	1.331	1.331	1.331
0.000	33.812	33.812	33.812	33.507	0.000	0.000	0.000	0.000
0.000	669.778	669.778	669.778	667.421	389.535	0.000	0.000	0.000
0.000	1,082.743	1,082.743	1,082.743	1,082.743	973.317	791.446	539.847	538.725
0.000	56.527	56.527	56.527	56.527	55.678	55.678	26.219	26.074
0.000	1,843.136	1,843.136	1,843.136	1,843.136	1,843.136	1,843.136	1,843.136	1,843.136
0.000	13.650	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	286.8387889	286.839	286.839	286.839	281.080	281.080	265.687	259.543
0.000	155.311	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	582.164	582.164	582.164	582.164	582.164	582.164	582.164	582.164
0.000	7.718	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	479.921	479.921	479.921	479.921	479.921	479.921	479.921	479.921
0.000	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	7.839	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.235	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	12.562	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	711.166	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.153	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	1.614	0.000	0.000	0.000	0.000	0.000	0.000	0.000
615.841	615.841	615.841	615.841	615.841	611.887	545.801	248.054	248.054
60.847	60.847	60.847	56.320	56.320	56.320	15.838	15.838	15.838
251.763	251.763	251.763	251.763	251.763	0.000	0.000	0.000	0.000
1,668.716	1,668.716	1,668.716	1,668.716	1,668.716	1,668.716	1,668.716	1,668.716	1,668.716
-545.322	-545.322	-545.322	-545.322	-545.322	-545.322	-545.322	-545.322	-545.322
88.271	88.271	88.271	88.271	88.271	80.213	43.306	43.297	43.297
11.144	11.144	11.144	11.144	11.144	10.182	6.247	6.238	6.238

APPENDIX 2 - LDC Summary

All Savings at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	Tx (Transmission) or Dx (Distribution) connected	(Implementation) Year	Notes	Activity Unit Name	Activity/ Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)
LDC	Business	Energy Audit F	Horizon	Utilities Commercial & EE	EE	Dx	2012	N/A	Audit	1	0.005	25.176
LDC	Business	Energy Audit F	Horizon	Utilities Commercial & EE	EE	Dx	2013	N/A	Audit	8	0.107	586.485
LDC	Business	DR-3	Horizon	Utilities Commercial & DR	DR	Dx	2013	N/A	Facilities	5		
LDC	Business	New Construct	Horizon	Utilities Commercial & EE	EE	Dx	2013	N/A		3	0.011	38.576
LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2009	N/A	Devices	2		
LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2011	N/A	Devices	2		
LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2012	N/A	Devices	12		
LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2013	N/A	Devices	4		
LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2012	N/A	Devices	10		
LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2013	N/A	Devices	5		
LDC	Business	Retrofit	Horizon	Utilities Commercial & EE	EE	Dx	2012	N/A	Projects	29	0.134	792.821
LDC	Business	Retrofit	Horizon	Utilities Commercial & EE	EE	Dx	2013	N/A	Projects	372	4.031	22,384.514
LDC	Business	Small Business	Horizon	Utilities Commercial & EE	EE	Dx	2013	N/A	Projects	415	0.479	1,528.270
LDC	Consumer	Annual Coupo	Horizon	Utilities Residential	EE	Dx	2013	Custom loads	measures	14,024	0.019	276.622
LDC	Consumer	Appliance Exc	Horizon	Utilities Residential	EE	Dx	2013	Dehumidifier L	Appliances	178	0.070	124.940
LDC	Consumer	Appliance Reti	Horizon	Utilities Residential	EE	Dx	2013	N/A	Appliances	877	0.124	793.096
LDC	Consumer	Bi-Annual Ret	Horizon	Utilities Residential	EE	Dx	2013	Custom loads	measures	38,196	0.046	664.698
LDC	Consumer	Home Assistai	Horizon	Utilities Residential	EE	Dx	2013	N/A	Projects Comp	3,550	0.808	4,634.362
LDC	Consumer	HVAC	Horizon	Utilities Residential	EE	Dx	2012	Blended Load	Equipment	84	0.036	61.698
LDC	Consumer	HVAC	Horizon	Utilities Residential	EE	Dx	2013	Blended Load	Equipment	4,768	1.997	3,426.318
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2006	N/A	Devices	135		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2007	N/A	Devices	398		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2008	N/A	Devices	857		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2009	N/A	Devices	1,365		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2010	N/A	Devices	1,034		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2011	N/A	Devices	1,921		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2012	N/A	Devices	1,617		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2013	N/A	Devices	2,233		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2012	N/A	Devices	3,917		
LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2013	N/A	Devices	4,451		
LDC	Industrial	DR-3	Horizon	Utilities Industrial	DR	Dx	2013	N/A	Facilities	9		
LDC	Industrial	Energy Manag	Horizon	Utilities Industrial	EE	Dx	2013	N/A		5	0.025	198.003
Non-LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2007	N/A	Devices	76		
Non-LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2008	N/A	Devices	2		
Non-LDC	Business	peaksaverPLL	Horizon	Utilities Commercial & DR	DR	Dx	2009	N/A	Devices	13		
Non-LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2006	N/A	Devices	605		
Non-LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2007	N/A	Devices	1,016		
Non-LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2008	N/A	Devices	1,431		
Non-LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2009	N/A	Devices	1,934		
Non-LDC	Consumer	peaksaverPLL	Horizon	Utilities Residential	DR	Dx	2010	N/A	Devices	1,212		
Non-LDC	Industrial	DR-3	Horizon	Utilities Industrial	DR	Dx	2013	N/A	Facilities	2		
LDC	Consumer	Appliance Reti	Horizon	Utilities Residential	EE	Dx	2013	N/A	Appliances	1	0	1
LDC	Consumer	HVAC	Horizon	Utilities Residential	EE	Dx	2012	Blended Load	Equipment	1	0	1

2033	2034	2035	2036	2037	2038	2039	2040
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APPENDIX 2 - LDC Summary

All Savings at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	Tx (Transmission) or Dx (Distribution) connected	(Implementation) Year
LDC	Business	Building Commissioning	Horizon Utilities Corporation	Commercial	EE	Dx	2014
LDC	Business	Direct Install Lighting	Horizon Utilities Corporation	Commercial	EE	Dx	2014
LDC	Business	Energy Audit	Horizon Utilities Corporation	Commercial	EE	Dx	2011
LDC	Business	Energy Audit	Horizon Utilities Corporation	Commercial	EE	Dx	2012
LDC	Business	Energy Audit	Horizon Utilities Corporation	Commercial	EE	Dx	2012
LDC	Business	Energy Audit	Horizon Utilities Corporation	Commercial	EE	Dx	2013
LDC	Business	Energy Audit	Horizon Utilities Corporation	Commercial	EE	Dx	2013
LDC	Business	Energy Audit	Horizon Utilities Corporation	Commercial	EE	Dx	2014
LDC	Business	High Performance New Construction	Horizon Utilities Corporation	Commercial	EE	Dx	2012
LDC	Business	High Performance New Construction	Horizon Utilities Corporation	Commercial	EE	Dx	2013
LDC	Business	High Performance New Construction	Horizon Utilities Corporation	Commercial	EE	Dx	2014
LDC	Business	Retrofit	Horizon Utilities Corporation	Commercial	EE	Dx	2012
LDC	Business	Retrofit	Horizon Utilities Corporation	Commercial	EE	Dx	2013
LDC	Business	Retrofit	Horizon Utilities Corporation	Commercial	EE	Dx	2014
LDC	Consumer	Appliance Exchange	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Consumer	Bi-Annual Retailer Event	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Consumer	Conservation Instant Coupon Booklet	Horizon Utilities Corporation	Residential	EE	Dx	2013
LDC	Consumer	Conservation Instant Coupon Booklet	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Home Assistance	Home Assistance Program	Horizon Utilities Corporation	Residential	EE	Dx	2012
LDC	Home Assistance	Home Assistance Program	Horizon Utilities Corporation	Residential	EE	Dx	2013
LDC	Home Assistance	Home Assistance Program	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Consumer	HVAC Incentives	Horizon Utilities Corporation	Residential	DR	Dx	2013
LDC	Consumer	HVAC Incentives	Horizon Utilities Corporation	Residential	EE	Dx	2012
LDC	Consumer	HVAC Incentives	Horizon Utilities Corporation	Residential	EE	Dx	2014
LDC	Other	Time-of-Use Savings	Horizon Utilities Corporation	Other	DR	Dx	2014
LDC	Pre-2011 Programs Completed in 2011	High Performance New Construction	Horizon Utilities Corporation	Commercial	EE	Dx	2012
non-Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2007
non-Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2008
non-Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2009
non-Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2006
non-Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2007
non-Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2008
non-Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2009
non-Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2010
non-Tier 1	Industrial	Demand Response 3	Horizon Utilities Corporation	Industrial	DR	Dx	2014
Tier 1	Business	Demand Response 3	Horizon Utilities Corporation	Commercial	DR	Dx	2014
Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2007
Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2009
Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2011
Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2012
Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2013
Tier 1	Business	Commercial Demand Response	Horizon Utilities Corporation	Commercial	DR	Dx	2014
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2006
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2007
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2008
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2009
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2010
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2011
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2012
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2013
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	Dx	2014
Tier 1	Industrial	Demand Response 3	Horizon Utilities Corporation	Industrial	DR	Dx	2014
Tier 1	Industrial	Energy Managers	Horizon Utilities Corporation	Industrial	EE	Dx	2012
Tier 1	Industrial	Energy Managers	Horizon Utilities Corporation	Industrial	EE	Dx	2013
Tier 1	Industrial	Energy Managers	Horizon Utilities Corporation	Industrial	EE	Dx	2014

Net Annual Summer Peak Demand Savings (MW)

Notes	Activity Unit Name	Activity/Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)	Net Annual Summer Peak Demand Savings (MW)									
					2011	2012	2013	2014	2015	2016	2017	2018	2019	
n/a	Buildings	2	132.5	157250.2	0	0	0	0.1325	0.1325	0.1325	0	0	0	
n/a	Projects	991	852.4825	2940240	0	0	0	0.852483	0.846642	0.78911	0.496995	0.496995	0.496995	
n/a	Audit	1	2.467752	48881.62	0.002468	0.002468	0.002468	0.002468	0	0	0	0	0	
n/a	Audit	1	0.172466	2562.179	0	0.000172	0.000172	0.000172	0.000172	0	0	0	0	
n/a	Audit	1	0.517399	7686.538	0	0.000517	0.000517	0.000517	0.000517	0	0	0	0	
n/a	Audit	1	0.04676	514.1615	0	0	4.68E-05	4.68E-05	4.68E-05	4.68E-05	0	0	0	
n/a	Audit	2	17.63704	193931.6	0	0	0.017637	0.017637	0.017637	0.017637	0	0	0	
n/a	Audit	20	267.3386	1305471	0	0	0	0.267339	0.267339	0.267339	0.267339	0	0	
n/a		4	84.94506	673613.4	0	0.084945	0.084945	0.084945	0.084945	0.084945	0.0849	0.0849	0.0849	
n/a		4	580.9746	6403939	0	0	0.580975	0.580975	0.580975	0.580975	0.580975	0.580975	0.580975	
n/a		8	151.2003	521315.4	0	0	0	0.1512	0.1512	0.1512	0.1512	0.1512	0.1512	
n/a	Projects	14	162.2	3226823	0	0.1685	0.1685	0.1622	0.1622	0.1622	0.15746	0.15737	0.15737	
n/a	Projects	29	317.3542	3131172	0	0	0.319872	0.317354	0.317354	0.317354	0.311953	0.307077	0.307077	
n/a	Projects	457	2593.824	19282049	0	0	0	2.593824	2.586127	2.586127	2.472614	2.472614	2.442505	
Dehumidifier Load Shape	Appliances	203	42.0604	74996.3	0	0	0	0.04206	0.04206	0.04206	0.04206	0	0	
n/a	Appliances	6	0.700526	626.4483	0	0	0	0.000701	0.000701	0.000701	0	0	0	
n/a	Appliances	8	1.415919	2524.67	0	0	0	0.001416	0.001416	0.001416	0.001416	0	0	
n/a	Appliances	203.1617	14.14765	102437	0	0	0	0.014148	0.014148	0.014148	0.014148	0	0	
n/a	Appliances	386.4043	23.18099	157732.3	0	0	0	0.023181	0.023181	0.023181	0.023181	0.023181	0	
Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.	measures	195057.5	325.1829	4968775	0	0	0	0.325183	0.283849	0.262309	0.262309	0.262309	0.262309	
Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.	measures	42.45464	0.1	953	0	0	0.000067	0.000067	0.000064	0.000057	0.000057	0.000057	0.000057	
Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.	measures	42295.02	86.39837	1153159	0	0	0	0.086398	0.081439	0.079024	0.079024	0.079024	0.079024	
n/a	Homes	12	0.803724	26030.8	0.001	0.000835	0.000835	0.000812	0.000804	0.000716	0.000668	0.000633	0.000608	
n/a	Homes	206	199.1702	1418207	0	0	0.19973	0.199495	0.19917	0.198002	0.197414	0.196953	0.196691	
n/a	Homes	3538	712.7878	8689063	0	0	0	0.717191	0.712788	0.696037	0.688928	0.683406	0.683406	
Blended Load Shape used for furnaces	Equipment	255	54.7324	190430.4	0	0	0.054732	0.054732	0.054732	0.054732	0.054732	0.054732	0.054732	
n/a	Equipment	8	1.825865	9351.788	0	0.001826	0.001826	0.001826	0.001826	0.001826	0.001826	0.001826	0.001826	
n/a	Equipment	5772	1109.072	2035819	0	0	0	1.109072	1.109072	1.109072	1.109072	1.109072	1.109072	
n/a	n/a		2486.731	0	0	0	0	2.486731	0	0	0	0	0	
n/a		1	296	7918181	0	0.296	0.296	0.296	0.296	0.296	0.296	0.296	0.296	
n/a	Devices	73	0	0	0	0	0	0.040878	0	0	0	0	0	
n/a	Devices	2	0	0	0	0	0	0.001123	0	0	0	0	0	
n/a	Devices	12	0	0	0	0	0	0.006698	0	0	0	0	0	
n/a	Devices	575	0	0	0	0	0	0.204221	0	0	0	0	0	
n/a	Devices	951	0	0	0	0	0	0.338949	0	0	0	0	0	
n/a	Devices	1336	0	0	0	0	0	0.474948	0	0	0	0	0	
n/a	Devices	1785	0	0	0	0	0	0.63609	0	0	0	0	0	
n/a	Devices	1143	0	0	0	0	0	0.406448	0	0	0	0	0	
n/a	Facilities	2	0	0	0	0	0	2.73761	0	0	0	0	0	
n/a	Facilities	5	0	0	0	0	0	0.594796	0	0	0	0	0	
n/a	Devices	2	0	0	0	0	0	0.001118	0	0	0	0	0	
n/a	Devices	3	0	0	0	0	0	0.001684	0	0	0	0	0	
n/a	Devices	2	0	0	0	0	0	0.001114	0	0	0	0	0	
n/a	Devices	12	0	0	0	0	0	0.006732	0	0	0	0	0	
n/a	Devices	2	0	0	0	0	0	0.001118	0	0	0	0	0	
n/a	Devices	1	0	0	0	0	0	0.000557	0	0	0	0	0	
n/a	Devices	149	0	0	0	0	0	0.053023	0	0	0	0	0	
n/a	Devices	437	0	0	0	0	0	0.155372	0	0	0	0	0	
n/a	Devices	900	0	0	0	0	0	0.32001	0	0	0	0	0	
n/a	Devices	1474	0	0	0	0	0	0.524929	0	0	0	0	0	
n/a	Devices	1085	0	0	0	0	0	0.385652	0	0	0	0	0	
n/a	Devices	1888	0	0	0	0	0	0.672248	0	0	0	0	0	
n/a	Devices	1572	0	0	0	0	0	0.557862	0	0	0	0	0	
n/a	Devices	2174	0	0	0	0	0	0.77141	0	0	0	0	0	
n/a	Devices	2860	0	0	0	0	0	1.016167	0	0	0	0	0	
n/a	Facilities	11	0	0	0	0	0	17.09341	0	0	0	0	0	
n/a		1	5.8662	13208.1	0	0.006652	0.005866	0.005866	0.005866	0.005866	0.005866	0.006652	0.006652	
n/a		3	-14.9745	-255205	0	0	-0.02056	-0.01452	-0.01452	-0.0147	-0.00865	0.003394	0.003394	
n/a		9	41.08595	1056692	0	0	0	0.041086	0.041086	0.040758	0.040758	0.040758	0.040758	

ATTACHMENT 46
2011-2014 PERSISTENCE
SAVINGS REPORT BRAMPTON RZ

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource	(Implementation) Year	Status	Notes:	Activity Unit Name	Activity/Participation
Tier 1	Consumer	Appliance Exchange	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31		Appliances	46
Tier 1	Consumer	Appliance Retirement	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31		Appliances	879
Tier 1	Consumer	Bi-Annual Retailer Event	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31		Products	24,526
Tier 1	Consumer	Conservation Instant Cou	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31		Products	17,791
Tier 1	Consumer	HVAC Incentives	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31		Installations	4,056
Tier 1	Consumer	Retailer Co-op	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31	Custom retailer initiative;	Products	0
Tier 1	Business	Demand Response 3 (part	Hydro One Brampton Net	Commercial & Institution	DR	2011	Final; Released August 31	Gross reflects contracted	Facilities	1
Tier 1	Business	Retrofit	Hydro One Brampton Net	Commercial & Institution	EE	2011	Final; Released August 31		Projects	53
Tier 1	Business	Energy Audit	Hydro One Brampton Net	Commercial & Institution	EE	2011	Final; Released August 31	Not evaluated	Audits	4
Tier 1	Industrial	Demand Response 3	Hydro One Brampton Net	Industrial	DR	2011	Final; Released August 31	Gross reflects contracted	Facilities	4
Tier 1	Industrial	Retrofit	Hydro One Brampton Net	Industrial	EE	2011	Final; Released August 31		Projects	18
Tier 1	Pre-2011 Programs Comp	Electricity Retrofit Incenti	Hydro One Brampton Net	Commercial & Institution	EE	2011	Final; Released August 31	Not evaluated; 2010 Evalu	Projects	64
Tier 1	Pre-2011 Programs Comp	High Performance New C	Hydro One Brampton Net	Commercial & Institution	EE	2011	Final; Released August 31	Not evaluated; 2010 Evalu	Projects	4

Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Summer	Net Annual Energy
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.19
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	355.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	828.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	644.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,057.63
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,302.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	133.62
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,185.81
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,001.91
0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00	571.30

Net Annual Energy	Net Annual Energy	Net Annual Energy	Net Annual Energy	Net Annual Energy	Net Annual Energy	Net Annual Energy
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
571.30	571.30	571.30	0.00	0.00	0.00	0.00

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Status	Activity Unit Name	Activity/ Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)
Tier 1	Business	Retrofit	Hydro One Brampton Net	C&I	EE	2012	Final; Released August 31, 2013	Projects	182	2.789
Tier 1	Business	Energy Audit	Hydro One Brampton Net	C&I	EE	2012	Final; Released August 31, 2013	Audits	3	0.021
Tier 1	Consumer	Appliance Exchange	Hydro One Brampton Net	Residential	EE	2012	Final; Released August 31, 2013	Appliances	32	0.006
Tier 1	Consumer	Appliance Retirement	Hydro One Brampton Net	Residential	EE	2012	Final; Released August 31, 2013	Appliances	583	0.044
Tier 1	Consumer	Bi-Annual Retailer Event	Hydro One Brampton Net	Residential	EE	2012	Final; Released August 31, 2013	Products	29896	0.055
Tier 1	Consumer	Conservation Instant Cou	Hydro One Brampton Net	Residential	EE	2012	Final; Released August 31, 2013	Products	871	0.009
Tier 1	Consumer	HVAC Incentives	Hydro One Brampton Net	Residential	EE	2012	Final; Released August 31, 2013	Installations	3254	0.944
Tier 1	Consumer	Residential Demand Resp	Hydro One Brampton Net	Residential	DR	2012	Final; Released August 31, 2013	Devices	902	0.621
Tier 1	Industrial	Demand Response 3	Hydro One Brampton Net	Industrial	DR	2012	Final; Released August 31, 2013	Facilities	9	3.706
Tier 1	Pre-2011 Programs Comp	High Performance New C	Hydro One Brampton Net	C&I	EE	2012	Final; Released August 31, 2013	Projects	3	0.110
Tier 1	Business	Demand Response 3 (part	Hydro One Brampton Net	C&I	DR	2012	Final; Released August 31, 2013	Facilities	1	0.077
Non-Tier 1	Industrial	Demand Response 3	Hydro One Brampton Net	Industrial	DR	2012	Final; Released August 31, 2013	Facilities	1,000	0.255
Non-Tier 1	Business	Demand Response 3	Hydro One Brampton Net	Business	DR	2012	Final; Released August 31, 2013	Facilities	2,000	0.106
Tier 1 - 2011 Adjustment	Business	Retrofit	Hydro One Brampton Net	C&I	EE	2011	Final; Released August 31, 2013	Projects	19	0.398
Tier 1 - 2011 Adjustment	Business	Energy Audit	Hydro One Brampton Net	C&I	EE	2011	Final; Released August 31, 2013	Projects	5	0.026
Tier 1 - 2011 Adjustment	Pre-2011 Programs Comp	High Performance New C	Hydro One Brampton Net	C&I	EE	2011	Final; Released August 31, 2013	Buildings	2	0.000
Tier 1 - 2011 Adjustment	Consumer	HVAC Incentives	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31, 2013	Installations	-804	-0.532
Tier 1 - 2011 Adjustment	Consumer	Bi-Annual Retailer Event	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31, 2013	Products	2306	0.003
Tier 1 - 2011 Adjustment	Consumer	Conservation Instant Cou	Hydro One Brampton Net	Residential	EE	2011	Final; Released August 31, 2013	Products	232	0.000

Net Annual Summer Peak Demand Savings (MW) 2032	Net Annual Summer Peak Demand Savings (MW) 2033	Net Annual Summer Peak Demand Savings (MW) 2034	Net Annual Summer Peak Demand Savings (MW) 2035	Net Annual Summer Peak Demand Savings (MW) 2036	Net Annual Summer Peak Demand Savings (MW) 2037	Net Annual Summer Peak Demand Savings (MW) 2038	Net Annual Summer Peak Demand Savings (MW) 2039	Net Annual Summer Peak Demand Savings (MW) 2040	Net Annual Energy Savings (MWh) 2011	Net Annual Energy Savings (MWh) 2012
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12,489.528
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	75.529
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.106
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	230.362
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	754.713
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	39.402
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1,202.085
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.387
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	67.157
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	363.461
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.840
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.629
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.161
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	956.343	956.343
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	125.881	125.881
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	88.044	88.044
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-403.424	-403.424
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	61.528	61.528
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.768	7.768

Net Annual Energy Savings (MWh) 2013	Net Annual Energy Savings (MWh) 2014	Net Annual Energy Savings (MWh) 2015	Net Annual Energy Savings (MWh) 2016	Net Annual Energy Savings (MWh) 2017	Net Annual Energy Savings (MWh) 2018	Net Annual Energy Savings (MWh) 2019	Net Annual Energy Savings (MWh) 2020	Net Annual Energy Savings (MWh) 2021	Net Annual Energy Savings (MWh) 2022	Net Annual Energy Savings (MWh) 2023
12,489.528	12,486.488	12,414.293	12,122.553	11,544.769	11,267.926	11,267.926	10,698.551	7,121.176	6,582.906	6,535.998
75.529	75.529	75.529	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.106	8.106	7.976	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
230.362	230.362	228.312	143.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000
754.713	754.713	754.713	678.439	551.668	376.294	375.512	375.512	190.732	141.548	137.149
39.402	39.402	39.402	38.810	38.810	18.275	18.174	18.174	18.174	2.952	2.377
1,202.085	1,202.085	1,202.085	1,202.085	1,202.085	1,202.085	1,202.085	1,202.085	1,202.085	1,202.085	1,202.085
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
363.461	363.461	363.461	363.461	363.461	363.461	363.461	363.461	363.461	363.461	363.461
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
956.343	956.343	956.343	947.952	612.911	347.012	330.631	330.631	317.232	259.715	0.000
125.881	125.881	125.881	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88.044	88.044	88.044	88.044	88.044	88.044	88.044	88.044	88.044	88.044	88.044
-403.424	-403.424	-403.424	-403.424	-403.424	-403.424	-403.424	-403.424	-403.424	-403.424	-403.424
61.528	61.528	61.528	55.912	30.186	30.180	30.180	6.658	5.593	5.136	5.136
7.768	7.768	7.768	7.097	4.354	4.348	4.348	1.540	0.696	0.506	0.506

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	Tx (Transmission) or Dx (Distribution) connected	(Implementation) Year
LDC	Business	Energy Audit Funding	Hydro One Brampton Net	Commercial & Institutional	EE	Dx	2012
LDC	Business	Energy Audit Funding	Hydro One Brampton Net	Commercial & Institutional	EE	Dx	2013
LDC	Business	DR-3	Hydro One Brampton Net	Commercial & Institutional	DR	Dx	2013
LDC	Business	New Construction	Hydro One Brampton Net	Commercial & Institutional	EE	Dx	2013
LDC	Business	Retrofit	Hydro One Brampton Net	Commercial & Institutional	EE	Dx	2012
LDC	Business	Retrofit	Hydro One Brampton Net	Commercial & Institutional	EE	Dx	2013
LDC	Business	Small Business Lighting	Hydro One Brampton Net	Commercial & Institutional	EE	Dx	2013
LDC	Consumer	Annual Coupons	Hydro One Brampton Net	Residential	EE	Dx	2013
LDC	Consumer	Appliance Exchange	Hydro One Brampton Net	Residential	EE	Dx	2013
LDC	Consumer	Appliance Retirement	Hydro One Brampton Net	Residential	EE	Dx	2013
LDC	Consumer	Bi-Annual Retailer Events	Hydro One Brampton Net	Residential	EE	Dx	2013
LDC	Consumer	HVAC	Hydro One Brampton Net	Residential	EE	Dx	2013
LDC	Consumer	HVAC	Hydro One Brampton Net	Residential	EE	Dx	2011
LDC	Consumer	HVAC	Hydro One Brampton Net	Residential	EE	Dx	2012
LDC	Consumer	peaksaverPLUS	Hydro One Brampton Net	Residential	DR	Dx	2011
LDC	Industrial	DR-3	Hydro One Brampton Net	Industrial	DR	Dx	2013
LDC	Consumer	Appliance Retirement	Hydro One Brampton Net	Residential	EE	Dx	2013
LDC	Consumer	HVAC	Hydro One Brampton Net	Residential	EE	Dx	2012

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	Tx (Transmission) or Dx (Distribution) connected	(Implementation) Year	Notes	Activity Unit Name	Activity/ Participation (i.e. # of appliances)
LDC	Business	Direct Install Lighting	Hydro One Brampton Net	Commercial	EE	Dx	2014	n/a	Projects	689
LDC	Business	Energy Audit	Hydro One Brampton Net	Commercial	EE	Dx	2011	n/a	Audit	1
LDC	Business	Energy Audit	Hydro One Brampton Net	Commercial	EE	Dx	2012	n/a	Audit	1
LDC	Business	Energy Audit	Hydro One Brampton Net	Commercial	EE	Dx	2012	n/a	Audit	1
LDC	Business	Energy Audit	Hydro One Brampton Net	Commercial	EE	Dx	2013	n/a	Audit	1
LDC	Business	Energy Audit	Hydro One Brampton Net	Commercial	EE	Dx	2014	n/a	Audit	10
LDC	Business	High Performance New Co	Hydro One Brampton Net	Commercial	EE	Dx	2013	n/a		2
LDC	Business	High Performance New Co	Hydro One Brampton Net	Commercial	EE	Dx	2014	n/a		7
LDC	Business	Retrofit	Hydro One Brampton Net	Commercial	EE	Dx	2012	n/a	Projects	6
LDC	Business	Retrofit	Hydro One Brampton Net	Commercial	EE	Dx	2013	n/a	Projects	40
LDC	Business	Retrofit	Hydro One Brampton Net	Commercial	EE	Dx	2014	n/a	Projects	294
LDC	Consumer	Appliance Exchange	Hydro One Brampton Net	Residential	EE	Dx	2014	Dehumidifier Load Shape	Appliances	80
LDC	Consumer	Appliance Retirement	Hydro One Brampton Net	Residential	EE	Dx	2014	n/a	Appliances	8
LDC	Consumer	Appliance Retirement	Hydro One Brampton Net	Residential	EE	Dx	2014	n/a	Appliances	2
LDC	Consumer	Appliance Retirement	Hydro One Brampton Net	Residential	EE	Dx	2014	n/a	Appliances	105.1127209
LDC	Consumer	Appliance Retirement	Hydro One Brampton Net	Residential	EE	Dx	2014	n/a	Appliances	174.2818022
LDC	Consumer	Bi-Annual Retailer Event	Hydro One Brampton Net	Residential	EE	Dx	2014	Custom loadshapes for clotheslines, outd	measures	135962.5323
LDC	Consumer	Conservation Instant Cou	Hydro One Brampton Net	Residential	EE	Dx	2013	Custom loadshapes for clotheslines, outd	measures	29.59251137
LDC	Consumer	Conservation Instant Cou	Hydro One Brampton Net	Residential	EE	Dx	2014	Custom loadshapes for clotheslines, outd	measures	29461.83964
LDC	Home Assistance	Home Assistance Program	Hydro One Brampton Net	Residential	EE	Dx	2012	n/a	Homes	1
LDC	Home Assistance	Home Assistance Program	Hydro One Brampton Net	Residential	EE	Dx	2014	n/a	Homes	366
LDC	Consumer	HVAC Incentives	Hydro One Brampton Net	Residential	DR	Dx	2013	Blended Load Shape used for furnaces	Equipment	225
LDC	Consumer	HVAC Incentives	Hydro One Brampton Net	Residential	EE	Dx	2012	n/a	Equipment	8
LDC	Consumer	HVAC Incentives	Hydro One Brampton Net	Residential	EE	Dx	2014	n/a	Equipment	4978
LDC	Consumer	Residential New Constructio	Hydro One Brampton Net	Residential	EE	Dx	2014	n/a	Homes	76
LDC	Industrial	PSUI	Hydro One Brampton Net	Industrial	EE	Dx	2013	n/a	Projects	1
LDC	Program Enabled	LDC Program Enabled Saving	Hydro One Brampton Net	Other	EE	Dx	2014	n/a	Projects	6
LDC	Other	Time-of-Use Savings	Hydro One Brampton Net	Other	DR	Dx	2014	n/a	n/a	
Tier 1	Business	Demand Response 3	Hydro One Brampton Net	Commercial	DR	Dx	2014	n/a	Facilities	2
Tier 1	Business	Commercial Demand Respon	Hydro One Brampton Net	Commercial	DR	Dx	2013	n/a	Devices	7
Tier 1	Business	Commercial Demand Respon	Hydro One Brampton Net	Commercial	DR	Dx	2014	n/a	Devices	11
Tier 1	Consumer	Residential Demand Respon	Hydro One Brampton Net	Residential	DR	Dx	2007	n/a	Devices	6
Tier 1	Consumer	Residential Demand Respon	Hydro One Brampton Net	Residential	DR	Dx	2008	n/a	Devices	11
Tier 1	Consumer	Residential Demand Respon	Hydro One Brampton Net	Residential	DR	Dx	2009	n/a	Devices	6
Tier 1	Consumer	Residential Demand Respon	Hydro One Brampton Net	Residential	DR	Dx	2010	n/a	Devices	8
Tier 1	Consumer	Residential Demand Respon	Hydro One Brampton Net	Residential	DR	Dx	2011	n/a	Devices	907
Tier 1	Consumer	Residential Demand Respon	Hydro One Brampton Net	Residential	DR	Dx	2012	n/a	Devices	4
Tier 1	Consumer	Residential Demand Respon	Hydro One Brampton Net	Residential	DR	Dx	2013	n/a	Devices	609
Tier 1	Consumer	Residential Demand Respon	Hydro One Brampton Net	Residential	DR	Dx	2014	n/a	Devices	879
Tier 1	Industrial	Demand Response 3	Hydro One Brampton Net	Industrial	DR	Dx	2014	n/a	Facilities	18
Tier 1	Industrial	Energy Managers	Hydro One Brampton Net	Industrial	EE	Dx	2012	n/a		0
Tier 1	Industrial	Energy Managers	Hydro One Brampton Net	Industrial	EE	Dx	2013	n/a		1
Tier 1	Industrial	Energy Managers	Hydro One Brampton Net	Industrial	EE	Dx	2014	n/a		2

Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)	Net Annual Summer Peak Demand Savings (MW) 2011	Net Annual Summer Peak Demand Savings (MW) 2012	Net Annual Summer Peak Demand Savings (MW) 2013	Net Annual Summer Peak Demand Savings (MW) 2014	Net Annual Summer Peak Demand Savings (MW) 2015	Net Annual Summer Peak Demand Savings (MW) 2016	Net Annual Summer Peak Demand Savings (MW) 2017	Net Annual Summer Peak Demand Savings (MW) 2018	Net Annual Summer Peak Demand Savings (MW) 2019
482.0067031	1836501.518	0	0	0	0.482006703	0.477559002	0.456927266	0.303476311	0.303476311	0.303476311
1.233876127	24440.81238	0.001233876	0.001233876	0.001233876	0.001233876	0	0	0	0	0
0.172466273	2562.179288	0	0.000172466	0.000172466	0.000172466	0.000172466	0	0	0	0
0.517398818	7686.537864	0	0.000517399	0.000517399	0.000517399	0.000517399	0	0	0	0
0.023380121	257.0807592	0	0	2.33801E-05	2.33801E-05	2.33801E-05	2.33801E-05	0	0	0
133.6693052	652735.7006	0	0	0	0.133669305	0.133669305	0.133669305	0.133669305	0	0
30.91488369	73538.1612	0	0	0.030914884	0.030914884	0.030914884	0.030914884	0.030914884	0.030914884	0.030914884
144.0798528	481102.8658	0	0	0	0.144079853	0.144079853	0.144079853	0.144079853	0.144079853	0.144079853
102.73	272567.79	0	0.10273	0.10273	0.10273	0.08316	0.08316	0.08316	0.08316	0.08316
3033.897397	50743124.47	0	0	3.035585026	3.033897397	3.033741968	3.033741968	3.031451623	3.028078234	3.028078234
2336.304793	18550920.37	0	0	0	2.336304793	2.336304793	2.336304793	2.293751543	2.293751543	2.289977773
16.57552792	29555.19024	0	0	0	0.016575528	0.016575528	0.016575528	0.016575528	0	0
0.93403438	835.2643729	0	0	0	0.000934034	0.000934034	0.000934034	0	0	0
0.353979669	631.1676164	0	0	0	0.00035398	0.00035398	0.00035398	0.00035398	0	0
7.319773239	52999.32002	0	0	0	0.007319773	0.007319773	0.007319773	0.007319773	0	0
10.45543413	71142.75112	0	0	0	0.010455434	0.010455434	0.010455434	0.010455434	0.010455434	0
226.6649809	3463426.691	0	0	0	0.226664981	0.197853928	0.182839203	0.182839203	0.182839203	0.182839203
0	664	0	0	0.000047	0.000047	0.000045	0.00004	0.00004	0.00004	0.00004
59.96080141	802994.7513	0	0	0	0.059960801	0.056476237	0.054794307	0.054794307	0.054794307	0.054794307
0.353774589	5445.6	0	0.0003555	0.0003555	0.000353918	0.000353775	0.000344812	0.000340905	0.000336999	0.000336999
22.65134202	532537.2967	0	0	0	0.022709982	0.022651342	0.021322626	0.020892826	0.020441045	0.020441045
49.0770256	172603.9823	0	0	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026
1.621145945	7911.891188	0	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146
911.7459615	1657748.174	0	0	0	0.911745961	0.911745961	0.911745961	0.911745961	0.911745961	0.911745961
9.743703093	66702.6726	0	0	0	0.009743703	0.009743703	0.009743703	0.009743703	0.009743703	0.009743703
345.072	2071440	0	0	0.345072	0.345072	0.345072	0.345072	0.345072	0.345072	0.345072
361.269	2330503.46	0	0	0	0.361269	0.361269	0.361269	0.361269	0.361269	0.265239
1879.055482	0	0	0	0	1.879055482	0	0	0	0	0
		0	0	0	0.3988762	0	0	0	0	0
		0	0	0	0.003929683	0	0	0	0	0
		0	0	0	0.006296281	0	0	0	0	0
		0	0	0	0.003101107	0	0	0	0	0
		0	0	0	0.005685363	0	0	0	0	0
		0	0	0	0.003101107	0	0	0	0	0
		0	0	0	0.004134809	0	0	0	0	0
		0	0	0	0.468784	0	0	0	0	0
		0	0	0	0.002067405	0	0	0	0	0
		0	0	0	0.3147624	0	0	0	0	0
		0	0	0	0.4540381	0	0	0	0	0
		0	0	0	5.240879	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
459.99	8487000	0	0	0.45999	0.45999	0.45999	0.45999	0.45999	0.45999	0.45999
40.6224	142416.576	0	0	0	0.0406224	0.0004914	0.0004914	0.0004914	0.0004914	0.0004914

Net Annual Summer Peak Demand Savings (MW) 2020	Net Annual Summer Peak Demand Savings (MW) 2021	Net Annual Summer Peak Demand Savings (MW) 2022	Net Annual Summer Peak Demand Savings (MW) 2023	Net Annual Summer Peak Demand Savings (MW) 2024	Net Annual Summer Peak Demand Savings (MW) 2025	Net Annual Summer Peak Demand Savings (MW) 2026	Net Annual Summer Peak Demand Savings (MW) 2027	Net Annual Summer Peak Demand Savings (MW) 2028	Net Annual Summer Peak Demand Savings (MW) 2029	Net Annual Summer Peak Demand Savings (MW) 2030
0.303476311	0.303476311	0.303476311	0.303476311	0.300015962	0.079585054	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0.030914884	0.030914884	0.030914884	0.030914884	0.030914884	0.03006646	0.03006646	0.03006646	0.00042046	0.00042046	0
0.144079853	0.144079853	0.135173417	0.135173417	0.135173417	0.134102338	0.134102338	0.134102338	0.134102338	0.001723886	0.001723886
0.07829	0.07644	0.0717	0.0645	0.06316	0.06316	0.06316	0.04517	0	0	0
3.028078234	3.015495807	2.990904621	2.959213242	2.959213242	2.871762304	2.865461217	2.865461217	2.336237727	0.079982166	0.060178403
2.185350612	2.185350612	1.942946822	1.499695356	1.03885411	1.00788542	0.284200752	0.282141936	0.282141936	0.23944475	0.11786235
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0.182839203	0.182702457	0.182702457	0.170565446	0.155225031	0.131489913	0.131489913	0.130857187	0.130857187	0.130589902	0.106161011
0.00004	0.000034	0.000034	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000014	0.000014
0.054794307	0.054636195	0.054636195	0.048152426	0.035214635	0.035213779	0.035213779	0.03514511	0.03514511	0.034872765	0.015858176
0.000336999	0.0002817	0.0002817	0.0002817	0.0002817	8.21E-05	8.21E-05	0	0	0	0
0.020347835	0.020347835	0.014640205	0.014640205	0.014624435	0.014624435	0.014481358	0.014481358	0.001781758	0.001781758	0.001781758
0.049077026	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026	0.049077026
0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001621146	0.001137763
0.911745961	0.911745961	0.911745961	0.911745961	0.911745961	0.911745961	0.911745961	0.911745961	0.911745961	0.911745961	0.911745961
0.009743703	0.009743703	0.009743703	0.009743703	0.009743703	0.009743703	0.009239073	0.008734443	0.008734443	0.008734443	0.008734443
0.345072	0.345072	0.345072	0	0	0	0	0	0	0	0
0.265239	0.265239	0.265239	0.265239	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0.45999	0.45999	0.45999	0.45999	0.45999	0	0	0	0	0	0
0.0004914	0.0004914	0.0004914	0.0004914	0.0004914	0	0	0	0	0	0

ATTACHMENT 47
2011-2014 PERSISTENCE SAVINGS
REPORT POWERSTREAM RZ

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)
Tier 1	Consumer	Appliance E	Power	Residen	EE	2011		Final; Re		Appliances	152	30	36,794
Tier 1	Consumer	Appliance R	Power	Residen	EE	2011		Final; Re		Appliances	2,986	339	2,465,802
Tier 1	Consumer	Bi-Annual R	Power	Residen	EE	2011		Final; Re		Products	57,776	100	1,785,664
Tier 1	Consumer	Conservatio	Power	Residen	EE	2011		Final; Re		Products	34,625	70	1,174,884
Tier 1	Consumer	HVAC Incer	Power	Residen	EE	2011		Final; Re		Installatio	10,174	4,700	8,684,756
Tier 1	Consumer	Residential	Power	Residen	DR	2011		Final; Re	New pa	Devices	2,234	1,251	3,239
Tier 1	Consumer	Retailer Co	Power	Residen	EE	2011		Final; Re	Custom	Products	134	0	3,450
Tier 1	Business	Commercia	Power	Comme	DR	2011		Final; Re	New pa	Devices	0	0	0
Tier 1	Business	Demand Re	Power	Comme	DR	2011		Final; Re	Gross re	Facilities	12	1,639	48,536
Tier 1	Business	Direct Insta	Power	Comme	EE	2011		Final; Re		Projects	1,943	1,967	5,703,882
Tier 1	Business	Retrofit	Power	Comme	EE	2011		Final; Re		Projects	148	1,673	9,981,644
Tier 1	Business	Energy Aud	Power	Comme	EE	2011		Final; Re	Not eva	Audits	6	0	0
Tier 1	Business	High Perfor	Power	Comme	EE	2011		Final; Re	Not eva	Projects	2	33	139,736
Tier 1	Industrial	Demand Re	Power	Industri	DR	2011		Final; Re	Gross re	Facilities	11	3,125	154,591
Tier 1	Industrial	Retrofit	Power	Industri	EE	2011		Final; Re		Projects	34	684	4,169,768
Tier 1	Pre-2011 F	Data Centre	Power	Comme	EE	2011		Final; Re	Not eva	Projects	5	81	533,038
Tier 1	Pre-2011 F	Electricity R	Power	Comme	EE	2011		Final; Re	Not eva	Projects	195	3,752	18,243,264
Tier 1	Pre-2011 F	High Perfor	Power	Comme	EE	2011		Final; Re	Not eva	Projects	8	422	2,165,793
Tier 1	Pre-2011 F	Multifamily	Power	Comme	EE	2011		Final; Re	Not eva	Projects	1	110	286,080

Net Annual Summer Peak Demand Savings (kW) 2011	Net Annual Summer Peak Demand Savings (kW) 2012	Net Annual Summer Peak Demand Savings (kW) 2013	Net Annual Summer Peak Demand Savings (kW) 2014	Net Annual Summer Peak Demand Savings (kW) 2015	Net Annual Summer Peak Demand Savings (kW) 2016	Net Annual Summer Peak Demand Savings (kW) 2017	Net Annual Summer Peak Demand Savings (kW) 2018	Net Annual Summer Peak Demand Savings (kW) 2019	Net Annual Summer Peak Demand Savings (kW) 2020	Net Annual Summer Peak Demand Savings (kW) 2021	Net Annual Summer Peak Demand Savings (kW) 2022	Net Annual Summer Peak Demand Savings (kW) 2023	Net Annual Summer Peak Demand Savings (kW) 2024	Net Annual Summer Peak Demand Savings (kW) 2025	Net Annual Summer Peak Demand Savings (kW) 2026
15	15	15	6	0	0	0	0	0	0	0	0	0	0	0	0
159	159	159	157	111	0	0	0	0	0	0	0	0	0	0	0
112	112	112	112	104	95	77	77	93	44	6	6	6	6	6	5
80	80	80	80	75	70	59	58	68	38	5	5	5	5	5	4
2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829	2,829
1,251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2,106	2,103	2,017	1,531	1,531	1,522	280	264	264	264	241	241	34	34	34	0
1,225	1,225	1,224	1,223	1,026	1,001	868	781	656	656	653	636	89	87	87	66
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2,634	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
502	502	502	501	501	501	459	398	314	314	314	312	29	29	29	17
81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
1,958	1,958	1,958	1,958	1,958	1,958	1,958	1,958	1,958	1,958	1,958	1,958	1,958	0	0	0
211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	108
75	75	75	75	75	75	75	75	75	75	75	75	75	0	0	0

Net Annual Energy Savings (kWh) 2021	Net Annual Energy Savings (kWh) 2022	Net Annual Energy Savings (kWh) 2023	Net Annual Energy Savings (kWh) 2024	Net Annual Energy Savings (kWh) 2025	Net Annual Energy Savings (kWh) 2026	Net Annual Energy Savings (kWh) 2027	Net Annual Energy Savings (kWh) 2028	Net Annual Energy Savings (kWh) 2029	Net Annual Energy Savings (kWh) 2030
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
179,422	157,940	157,940	116,646	116,646	105,985	0	0	0	0
133,343	108,210	108,210	98,585	98,585	95,721	0	0	0	0
5,192,089	5,192,089	5,192,089	5,192,089	5,192,089	5,192,089	5,192,089	5,192,089	4,713,594	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
515,584	515,584	25,427	25,427	25,427	0	0	0	0	0
4,725,522	4,236,988	442,963	433,242	433,242	369,764	161,827	62,275	62,275	62,275
0	0	0	0	0	0	0	0	0	0
69,868	69,868	69,868	69,868	69,868	69,868	69,868	0	0	0
0	0	0	0	0	0	0	0	0	0
2,040,709	2,029,566	40,015	40,015	40,015	15,370	4,976	0	0	0
533,038	533,038	533,038	533,038	533,038	533,038	533,038	533,038	533,038	533,038
9,540,024	9,540,024	9,540,024	0	0	0	0	0	0	0
1,082,896	1,082,896	1,082,896	1,082,896	1,082,896	554,466	554,466	554,466	554,466	554,466
194,534	194,534	194,534	0	0	0	0	0	0	0

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)
Tier 1	Business	Direct Insta	Power	C&I	EE	2012		Final; Re		Projects	1,628	129	235,123
Tier 1	Business	Retrofit	Power	C&I	EE	2012		Final; Re		Projects	388	6,237	34,359,748
Tier 1	Business	Energy Aud	Power	C&I	EE	2012		Final; Re		Audits	10	69	40,068
Tier 1	Consumer	Appliance E	Power	Residen	EE	2012		Final; Re		Appliances	110	21	55,075
Tier 1	Consumer	Appliance F	Power	Residen	EE	2012		Final; Re		Appliances	1,664	124	1,412,653
Tier 1	Consumer	Bi-Annual R	Power	Residen	EE	2012		Final; Re		Products	70,426	131	1,939,860
Tier 1	Consumer	Conservatio	Power	Residen	EE	2012		Final; Re		Products	2,051	20	92,817
Tier 1	Consumer	HVAC Incer	Power	Residen	EE	2012		Final; Re		Installatio	7,614	2,175	6,628,987
Tier 1	Consumer	Residential	Power	Residen	DR	2012		Final; Re		Devices	7,780	5,151	28,587
Tier 1	Home Assi	Home Assis	Power	Residen	EE	2012		Final; Re		Projects	258	48	-63,074
Tier 1	Industrial	Demand Re	Power	Industri	DR	2012		Final; Re		Facilities	12	4,238	76,793
Tier 1	Pre-2011 F	High Perfor	Power	C&I	EE	2012		Final; Re		Projects	9	857	5,491,540
Tier 1	Business	Demand Re	Power	C&I	DR	2012		Final; Re		Facilities	11	1,639	17,913
Tier 1	Other	Program En	PowerStream	Inc.		2012		Final; Re			11	0	0
Tier 1	Industrial	Energy Mar	Power	Industrial		2012		Final; Re			2	25	40,000
Non-Tier 1	Consumer	Residential	Power	Residen	DR	2012		Final; Re		Devices	2,562	1,520	8,875
Non-Tier 1	Consumer	Residential	Power	Residen	DR	2012		Final; Re		Devices	5	3	18
Non-Tier 1	Consumer	Residential	Power	Residen	DR	2012		Final; Re		Devices	1	1	3
Non-Tier 1	Consumer	Residential	Power	Residen	DR	2012		Final; Re		Devices	8,241	5,673	30,947
Non-Tier 1	Industrial	Demand Re	Power	Industri	DR	2012		Final; Re		Facilities	7	2,653	48,075
Non-Tier 1	Business	Demand Re	Power	Busines	DR	2012		Final; Re		Facilities	1	70	763
Tier 1 - 20	Business	Retrofit	Power	C&I	EE	2011		Final; Re		Projects	26	280	1,915,166
Tier 1 - 20	Business	Direct Insta	Power	C&I	EE	2011		Final; Re		Projects	2	3	5,333
Tier 1 - 20	Business	Energy Aud	Power	C&I	EE	2011		Final; Re		Projects	1	5	25,176
Tier 1 - 20	Business	High Perfor	Power	C&I	EE	2011		Final; Re		Buildings	1	-2	46
Tier 1 - 20	Pre-2011 F	High Perfor	Power	C&I	EE	2011		Final; Re		Buildings	5	181	1,466,819
Tier 1 - 20	Consumer	Residential	Power	Residen	EE	2011		Final; Re		Buildings	9	1	4,872
Tier 1 - 20	Consumer	HVAC Incer	Power	Residen	EE	2011		Final; Re		Installatio	-1,634	-1,069	-1,955,242
Tier 1 - 20	Consumer	Bi-Annual R	Power	Residen	EE	2011		Final; Re		Products	5,431	8	157,569
Tier 1 - 20	Consumer	Conservatio	Power	Residen	EE	2011		Final; Re		Products	545	1	16,993

Net Annual Summer Peak Demand Savings (kW) 2011	Net Annual Summer Peak Demand Savings (kW) 2012	Net Annual Summer Peak Demand Savings (kW) 2013	Net Annual Summer Peak Demand Savings (kW) 2014	Net Annual Summer Peak Demand Savings (kW) 2015	Net Annual Summer Peak Demand Savings (kW) 2016	Net Annual Summer Peak Demand Savings (kW) 2017	Net Annual Summer Peak Demand Savings (kW) 2018	Net Annual Summer Peak Demand Savings (kW) 2019	Net Annual Summer Peak Demand Savings (kW) 2020	Net Annual Summer Peak Demand Savings (kW) 2021	Net Annual Summer Peak Demand Savings (kW) 2022	Net Annual Summer Peak Demand Savings (kW) 2023	Net Annual Summer Peak Demand Savings (kW) 2024	Net Annual Summer Peak Demand Savings (kW) 2025	Net Annual Summer Peak Demand Savings (kW) 2026
0	1,437	1,435	1,234	947	946	244	244	235	235	235	219	219	15	15	15
0	4,690	4,670	4,662	4,591	4,591	4,349	4,254	4,254	4,009	2,730	2,630	2,630	981	938	938
0	52	52	52	52	0	0	0	0	0	0	0	0	0	0	0
0	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0
0	94	94	94	91	54	0	0	0	0	0	0	0	0	0	0
0	98	98	98	98	90	76	57	57	57	37	14	14	14	14	14
0	15	15	15	15	15	15	13	13	13	13	0	0	0	0	0
0	1,635	1,635	1,635	1,635	1,635	1,635	1,635	1,635	1,635	1,635	1,635	1,635	1,635	1,635	1,635
0	3,873	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	36	35	35	35	34	34	34	34	26	24	22	22	18	18	11
0	3,186	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	644	644	644	644	644	644	644	644	644	644	644	644	0	0	0
0	1,232	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	19	19	19	19	19	19	19	19	19	19	19	19	0	0	0
0	1,143	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	4,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1,995	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	207	207	207	205	205	169	104	90	90	88	88	12	1	1	0
2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0
5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0
-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-446	-446	-446	-446	-446	-446	-446	-446	-446	-446	-446	-446	-446	-446	-446	-446
7	7	7	7	7	7	4	4	4	1	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0

Net Annual Energy Savings (kWh) 2013	Net Annual Energy Savings (kWh) 2014	Net Annual Energy Savings (kWh) 2015	Net Annual Energy Savings (kWh) 2016	Net Annual Energy Savings (kWh) 2017	Net Annual Energy Savings (kWh) 2018	Net Annual Energy Savings (kWh) 2019	Net Annual Energy Savings (kWh) 2020	Net Annual Energy Savings (kWh) 2021	Net Annual Energy Savings (kWh) 2022	Net Annual Energy Savings (kWh) 2023	Net Annual Energy Savings (kWh) 2024	Net Annual Energy Savings (kWh) 2025	Net Annual Energy Savings (kWh) 2026	Net Annual Energy Savings (kWh) 2027
5,417,194	4,573,454	3,341,962	3,340,837	891,386	891,386	882,009	882,009	882,009	726,933	726,933	14,696	14,696	14,696	0
25,767,976	25,742,597	25,509,177	25,509,177	24,717,524	24,157,030	24,157,030	23,087,411	15,754,902	14,199,021	14,131,085	4,337,256	4,196,413	4,196,413	646,032
251,763	251,763	251,763	0	0	0	0	0	0	0	0	0	0	0	0
28,384	28,384	28,030	0	0	0	0	0	0	0	0	0	0	0	0
662,323	662,323	660,273	411,737	0	0	0	0	0	0	0	0	0	0	0
1,777,858	1,777,858	1,777,858	1,598,181	1,299,550	886,426	884,584	884,584	449,301	333,440	323,077	323,077	300,522	300,522	296,411
92,817	92,817	92,817	91,423	91,423	43,051	42,813	42,813	42,813	6,954	5,600	5,600	4,812	4,812	4,634
2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285	2,761,285
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
313,102	313,102	287,450	284,109	284,109	267,773	266,218	123,508	121,275	108,227	108,227	94,759	94,759	36,709	31,787
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2,745,770	2,745,770	2,745,770	2,745,770	2,745,770	2,745,770	2,745,770	2,745,770	2,745,770	2,745,770	2,745,770	2,745,770	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,423,969	1,419,672	1,403,001	1,402,953	1,252,094	910,524	854,405	854,405	831,143	800,103	291,728	249,104	248,859	245,947	0
4,952	4,952	4,952	4,952	691	691	691	691	487	487	0	0	0	0	0
25,176	25,176	25,176	0	0	0	0	0	0	0	0	0	0	0	0
23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
733,409	733,409	733,409	733,409	733,409	733,409	733,409	733,409	733,409	733,409	733,409	733,409	733,409	733,409	0
2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	0
-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450	-814,450
144,941	144,941	144,941	131,710	71,109	71,094	71,094	15,684	13,176	12,100	12,100	10,041	10,041	10,029	0
18,299	18,299	18,299	16,719	10,257	10,243	10,243	3,628	1,639	1,192	1,192	1,070	1,070	1,059	0

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)	Net Annual Summer Peak Demand Savings (kW) 2011	Net Annual Summer Peak Demand Savings (kW) 2012	Net Annual Summer Peak Demand Savings (kW) 2013	Net Annual Summer Peak Demand Savings (kW) 2014
LDC	Business	Energy Aud	Powe	Comme	EE	2012	Dx		N/A	Audit	1	5	25,176	0	5	5	5
LDC	Business	Energy Aud	Powe	Comme	EE	2013	Dx		N/A	Audit	9	121	659,796	0	0	79	79
LDC	Business	DR-3	Powe	Comme	DR	2013	Dx		N/A	Facilities	17	0	0	0	0	1,921	0
LDC	Business	New Const	Powe	Comme	EE	2013	Dx		N/A		4	1,441	2,925,209	0	0	778	778
LDC	Business	Retrofit	Powe	Comme	EE	2012	Dx		N/A	Projects	47	755	4,063,659	0	494	494	494
LDC	Business	Retrofit	Powe	Comme	EE	2013	Dx		N/A	Projects	727	7,037	38,768,553	0	0	5,114	5,108
LDC	Business	Small Busin	Powe	Comme	EE	2012	Dx		N/A	Projects	3	3	14,832	0	3	3	3
LDC	Business	Small Busin	Powe	Comme	EE	2013	Dx		N/A	Projects	2,315	2,463	8,416,742	0	0	2,327	2,327
LDC	Consumer	Annual Cou	Powe	Residen	EE	2013	Dx		Custom	measures	23,028	31	454,211	0	0	34	34
LDC	Consumer	Appliance E	Powe	Residen	EE	2013	Dx		Dehumi	Appliances	187	74	131,258	0	0	39	39
LDC	Consumer	Appliance F	Powe	Residen	EE	2013	Dx		N/A	Appliances	830	114	752,638	0	0	53	53
LDC	Consumer	Bi-Annual R	Powe	Residen	EE	2013	Dx		Custom	measures	62,717	76	1,091,431	0	0	79	79
LDC	Consumer	Home Assis	Powe	Residen	EE	2013	Dx		N/A	Projects Co	906	45	595,251	0	0	45	44
LDC	Consumer	HVAC	Powe	Residen	EE	2013	Dx		Blended	Equipmen	7,946	3,412	5,927,245	0	0	1,658	1,658
LDC	Consumer	HVAC	Powe	Residen	EE	2011	Dx		Blended	Equipmen	5	2	4,254	1	1	1	1
LDC	Consumer	HVAC	Powe	Residen	EE	2012	Dx		Blended	Equipmen	160	74	132,515	0	32	32	32
LDC	Consumer	peaksaverF	Powe	Residen	DR	2006	Dx		N/A	Devices	48	0	0	0	0	27	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2007	Dx		N/A	Devices	487	0	0	0	0	276	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2008	Dx		N/A	Devices	623	0	0	0	0	353	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2009	Dx		N/A	Devices	3,537	0	0	0	0	1,988	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2010	Dx		N/A	Devices	1,418	0	0	0	0	795	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2011	Dx		N/A	Devices	2,182	0	0	0	0	1,220	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2012	Dx		N/A	Devices	1,855	0	0	0	0	1,039	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2013	Dx		N/A	Devices	11,002	0	0	0	0	6,199	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2012	Dx		N/A	Devices	6,205	0	0	0	0	0	0
LDC	Consumer	peaksaverF	Powe	Residen	DR	2013	Dx		N/A	Devices	13,473	0	0	0	0	0	0
LDC	Industrial	DR-3	Powe	Industri	DR	2013	Dx		N/A	Facilities	10	0	0	0	0	4,959	0
LDC	Industrial	DR-3	Powe	Industri	DR	2013	Dx		N/A	Facilities	5	0	0	0	0	1,447	0
LDC	Industrial	Energy Mar	Powe	Industri	EE	2013	Dx		N/A		40	468	4,130,757	0	0	421	96
LDC	Other	Program Er	Powe	Other	EE	2011	Dx		N/A		1	3	5,574	3	3	3	3
LDC	Other	Program Er	Powe	Other	EE	2012	Dx		N/A		16	185	1,234,217	0	185	185	185
LDC	Other	Program Er	Powe	Other	EE	2013	Dx		N/A		4	5	7,515	0	0	5	5
LDC	Pre-2011	HPNC	Powe	Comme	EE	2013	Dx		N/A		1	0	0	0	0	83	83
Non-LDC	Consumer	peaksaverF	Powe	Residen	DR	2006	Dx		N/A	Devices	130	0	0	0	0	74	0
Non-LDC	Consumer	peaksaverF	Powe	Residen	DR	2007	Dx		N/A	Devices	927	0	0	0	0	525	0
Non-LDC	Consumer	peaksaverF	Powe	Residen	DR	2008	Dx		N/A	Devices	850	0	0	0	0	482	0
Non-LDC	Consumer	peaksaverF	Powe	Residen	DR	2009	Dx		N/A	Devices	4,868	0	0	0	0	2,723	0
Non-LDC	Consumer	peaksaverF	Powe	Residen	DR	2010	Dx		N/A	Devices	1,628	0	0	0	0	911	0
LDC	Consumer	Appliance F	Powe	Residen	EE	2013	Dx		N/A	Appliances	1	0	856	0	0	0	0
LDC	Consumer	HVAC	Powe	Residen	EE	2012	Dx		Blended	Equipmen	1	1	1,129	0	0	0	0

ATTACHMENT 48
2011-2014 PERSISTENCE SAVINGS
REPORT ENERSOURCE RZ

QUESTION #16 2011 Tier 1 saveONenergy Program Results (By LDC)

Date: 10-Sep-12

Notes: Gross Peak Demand Savings for Demand Response 3 represents the megawatts under contract, the net peak demand savings represents the ex-ante savings

Table is at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Status	Notes:	Activity Unit Name
Tier 1	Consumer	Appliance Exchange	Enersource Hydro Mississa	Residential	EE	2011	Final; Released August 31, 2012		Appliances
Tier 1	Consumer	Appliance Retirement	Enersource Hydro Mississa	Residential	EE	2011	Final; Released August 31, 2012		Appliances
Tier 1	Consumer	Bi-Annual Retailer Ever	Enersource Hydro Mississa	Residential	EE	2011	Final; Released August 31, 2012		Products
Tier 1	Consumer	Conservation Instant C	Enersource Hydro Mississa	Residential	EE	2011	Final; Released August 31, 2012		Products
Tier 1	Consumer	HVAC Incentives	Enersource Hydro Mississa	Residential	EE	2011	Final; Released August 31, 2012		Installations
Tier 1	Consumer	Residential Demand Re	Enersource Hydro Mississa	Residential	DR	2011	Final; Released August 31, 2012	New participan	Devices
Tier 1	Consumer	Retailer Co-op	Enersource Hydro Mississa	Residential	EE	2011	Final; Released August 31, 2012	Custom retailer	Products
Tier 1	Business	Demand Response 3 (p	Enersource Hydro Mississa	Commercial & Insti	DR	2011	Final; Released August 31, 2012	Gross reflects c	Facilities
Tier 1	Business	Direct Install Lighting	Enersource Hydro Mississa	Commercial & Insti	EE	2011	Final; Released August 31, 2012		Projects
Tier 1	Business	Retrofit	Enersource Hydro Mississa	Commercial & Insti	EE	2011	Final; Released August 31, 2012		Projects
Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississa	Industrial	DR	2011	Final; Released August 31, 2012	Gross reflects c	Facilities
Tier 1	Industrial	Retrofit	Enersource Hydro Mississa	Industrial	EE	2011	Final; Released August 31, 2012		Projects
Tier 1	Pre-2011 Progra	Electricity Retrofit Ince	Enersource Hydro Mississa	Commercial & Insti	EE	2011	Final; Released August 31, 2012	Not evaluated;	Projects
Tier 1	Pre-2011 Progra	High Performance New	Enersource Hydro Mississa	Commercial & Insti	EE	2011	Final; Released August 31, 2012	Not evaluated;	Projects
Tier 1	Pre-2011 Progra	Multifamily Energy Effi	Enersource Hydro Mississa	Commercial & Insti	EE	2011	Final; Released August 31, 2012	Not evaluated;	Projects

2035	2036	2037	2038	2039	2040
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
494.26	494.26	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX 2

2012 Tier 1 saveONenergy Program Results (By LDC)

Date: 07-Nov-13

Table is at the End User Level

Portfolio	Program	Initiative
Tier 1	Business	Direct Install Lighting
Tier 1	Business	Retrofit
Tier 1	Business	Energy Audit
Tier 1	Business	High Performance New Construction
Tier 1	Consumer	Appliance Exchange
Tier 1	Consumer	Appliance Retirement
Tier 1	Consumer	Bi-Annual Retailer Event
Tier 1	Consumer	Conservation Instant Coupon Booklet
Tier 1	Consumer	HVAC Incentives
Tier 1	Consumer	Residential Demand Response
Tier 1	Home Assistance	Home Assistance Program
Tier 1	Industrial	Demand Response 3
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)
Tier 1	Industrial	Energy Manager
Non-Tier 1	Consumer	Residential and Small Commercial Demand Response
Non-Tier 1	Consumer	Residential and Small Commercial Demand Response
Non-Tier 1	Industrial	Demand Response 3
Non-Tier 1	Business	Residential and Small Commercial Demand Response
Non-Tier 1	Business	Demand Response 3
Tier 1 - 2011 Adjustment	Business	Retrofit
Tier 1 - 2011 Adjustment	Business	Direct Install Lighting
Tier 1 - 2011 Adjustment	Business	Energy Audit
Tier 1 - 2011 Adjustment	Pre-2011 Programs Completed in 2011	High Performance New Construction
Tier 1 - 2011 Adjustment	Consumer	HVAC Incentives
Tier 1 - 2011 Adjustment	Consumer	Bi-Annual Retailer Event
Tier 1 - 2011 Adjustment	Consumer	Conservation Instant Coupon Booklet

LDC	Sector	Conservation Resource Type	(Implementation) Year	Status
Enersource Hydro Mississauga Inc.	C&I	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	DR	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Industrial	DR	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	DR	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Industrial	EE	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	DR	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	DR	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Industrial	DR	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Business	DR	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Business	DR	2012	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	EE	2011	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	EE	2011	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	EE	2011	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	C&I	EE	2011	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2011	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2011	Final; Released August 31, 2013
Enersource Hydro Mississauga Inc.	Residential	EE	2011	Final; Released August 31, 2013

Net Annual Summer Peak Demand Savings (MW)

Activity Unit Name	Activity/ Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)	2011	2012	2013
Projects	1556	0.064	115.551	0.000	1.340	1.340
Projects	359	6.027	32442.207	0.000	4.531	4.500
Audits	37	0.255	372.632	0.000	0.192	0.192
Projects	1	0.128	32.229	0.000	0.097	0.097
Appliances	118	0.023	58.856	0.000	0.017	0.017
Appliances	1075	0.079	916.136	0.000	0.059	0.059
Products	41656	0.077	1147.401	0.000	0.058	0.058
Products	1213	0.012	54.900	0.000	0.009	0.009
Installations	5640	1.599	4840.488	0.000	1.202	1.202
Devices	2742	1.679	10.075	0.000	1.262	0.000
Projects	246	0.053	-47.679	0.000	0.040	0.038
Facilities	10	4.881	-58.400	0.000	3.670	0.000
Projects	5	0.251	836.260	0.000	0.189	0.189
Facilities	12	2.888	31.557	0.000	2.171	0.000
	1	0.003	19.155	0.000	0.003	0.003
Devices	3.000	0.002	0.011	0.000	0.001	0.000
Devices	9,293.000	5.691	34.146	0.000	4.279	0.000
Facilities	22.000	20.765	376.265	0.000	15.613	0.000
Devices	7.000	0.006	0.025	0.000	0.004	0.000
Facilities	4.000	0.271	2.963	0.000	0.204	0.000
Projects	42	0.617	2278.457	0.464	0.464	0.464
Projects	43	0.058	133.740	0.053	0.053	0.053
Projects	9	0.047	226.586	0.047	0.047	0.047
Buildings	1	0.180	187.365	0.090	0.090	0.090
Installations	-1208	-0.787	-1424.169	-0.328	-0.328	-0.328
Products	3213	0.005	93.200	0.004	0.004	0.004
Products	323	0.001	10.051	0.001	0.001	0.001

Net Annual Energy Savings (MWh)									
2014	2015	2011	2012	2013	2014	2015	2016	2017	2018
1.294	1.093	0.000	4,890.220	4890.18	4693.91	3,837.661	3,837.428	853.403	853.403
4.452	4.392	0.000	24,392.637	24,288.756	24,131.826	23,935.785	23,935.785	23,037.690	22,455.199
0.192	0.192	0.000	931.521	931.521	931.521	931.521	0.000	0.000	0.000
0.097	0.097	0.000	247.001	247.001	247.001	247.001	247.001	247.001	247.001
0.017	0.017	0.000	30.332	30.332	30.332	29.954	0.000	0.000	0.000
0.059	0.058	0.000	430.436	430.436	430.436	429.719	276.505	0.000	0.000
0.058	0.058	0.000	1,051.579	1,051.579	1,051.579	1,051.579	945.302	768.666	524.309
0.009	0.009	0.000	54.900	54.900	54.900	54.900	54.075	54.075	25.464
1.202	1.202	0.000	2,016.291	2,016.291	2,016.291	2,016.291	2,016.291	2,016.291	2,016.291
0.000	0.000	0.000	10.075	0.000	0.000	0.000	0.000	0.000	0.000
0.038	0.038	0.000	261.8366718	261.837	261.837	236.273	235.659	235.659	228.576
0.000	0.000	0.000	88.449	0.000	0.000	0.000	0.000	0.000	0.000
0.189	0.189	0.000	418.130	418.130	418.130	418.130	418.130	418.130	418.130
0.000	0.000	0.000	31.557	0.000	0.000	0.000	0.000	0.000	0.000
0.003	0.003	0.000	17.296	17.296	17.296	17.296	17.296	17.296	17.296
0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	34.146	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	376.265	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	2.963	0.000	0.000	0.000	0.000	0.000	0.000
0.464	0.464	1,702.657	1,702.657	1,702.657	1,702.657	1,702.657	1,530.308	1,276.471	756.134
0.044	0.044	124.183	124.183	123.614	103.162	103.162	102.817	11.875	11.875
0.047	0.047	226.586	226.586	226.586	226.586	226.586	0.000	0.000	0.000
0.090	0.090	93.683	93.683	93.683	93.683	93.683	93.683	93.683	93.683
-0.328	-0.328	-593.233	-593.233	-593.233	-593.233	-593.233	-593.233	-593.233	-593.233
0.004	0.004	85.731	85.731	85.731	85.731	85.731	77.904	42.060	42.051
0.001	0.001	10.824	10.824	10.824	10.824	10.824	9.889	6.067	6.059

2019	2020	2021	2022	2023	2024	2025	2026	2027
845.458	845.458	845.458	726.395	726.395	16.391	16.391	16.391	0.000
22,455.199	21,163.793	13,698.164	12,836.678	12,737.200	3,822.451	3,263.749	3,263.749	428.146
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
247.001	247.001	247.001	247.001	247.001	247.001	247.001	247.001	247.001
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
523.219	523.219	265.755	197.225	191.096	191.096	177.754	177.754	175.323
25.323	25.323	25.323	4.113	3.312	3.312	2.846	2.846	2.741
2,016.291	2,016.291	2,016.291	2,016.291	2,016.291	2,016.291	2,016.291	2,016.291	2,016.291
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
227.170	109.776	109.119	104.420	104.420	99.283	99.283	64.858	64.022
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
418.130	418.130	418.130	418.130	418.130	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.296	17.296	17.296	17.296	17.296	17.296	17.296	17.296	17.296
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
726.513	726.513	690.550	593.305	273.973	273.973	273.973	236.314	14.159
11.875	11.875	9.420	9.420	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.683	93.683	93.683	93.683	93.683	93.683	93.683	0.000	0.000
-593.233	-593.233	-593.233	-593.233	-593.233	-593.233	-593.233	-593.233	-593.233
42.051	9.277	7.794	7.157	7.157	5.939	5.939	5.932	0.000
6.059	2.146	0.969	0.705	0.705	0.633	0.633	0.627	0.000

APPENDIX 2 - LDC Summary

All Savings at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	Tx (Transmission) or Dx (Distribution) connected	(Implementation) Year	Notes	Activity Unit Name	Activity/ Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)
LDC	Business	Energy Audit Funding	Enersource H ₂	Commercial & EE		Dx	2012	N/A	Audit	9	0.047
LDC	Business	Energy Audit Funding	Enersource H ₂	Commercial & EE		Dx	2013	N/A	Audit	11	0.148
LDC	Business	DR-3	Enersource H ₂	Commercial & DR		Dx	2013	N/A	Facilities	7	
LDC	Business	Retrofit	Enersource H ₂	Commercial & EE		Dx	2012	N/A	Projects	40	0.567
LDC	Business	Retrofit	Enersource H ₂	Commercial & EE		Dx	2013	N/A	Projects	547	5.817
LDC	Business	Small Business Lighting	Enersource H ₂	Commercial & EE		Dx	2012	N/A	Projects	2	0.004
LDC	Business	Small Business Lighting	Enersource H ₂	Commercial & EE		Dx	2013	N/A	Projects	1,248	1.263
LDC	Consumer	Annual Coupons	Enersource H ₂	Residential	EE	Dx	2013	Custom loads	measures	13,621	0.018
LDC	Consumer	Appliance Exchange	Enersource H ₂	Residential	EE	Dx	2013	Dehumidifier L	Appliances	89	0.035
LDC	Consumer	Appliance Retirement	Enersource H ₂	Residential	EE	Dx	2013	N/A	Appliances	575	0.079
LDC	Consumer	Bi-Annual Retailer Events	Enersource H ₂	Residential	EE	Dx	2013	Custom loads	measures	37,096	0.045
LDC	Consumer	Home Assistance Program	Enersource H ₂	Residential	EE	Dx	2013	N/A	Projects Comp	240	0.020
LDC	Consumer	HVAC	Enersource H ₂	Residential	EE	Dx	2013	Blended Load	Equipment	6,174	2.655
LDC	Consumer	HVAC	Enersource H ₂	Residential	EE	Dx	2011	Blended Load	Equipment	2	0.001
LDC	Consumer	HVAC	Enersource H ₂	Residential	EE	Dx	2012	Blended Load	Equipment	140	0.061
LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2006	N/A	Devices	33	
LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2007	N/A	Devices	869	
LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2008	N/A	Devices	794	
LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2009	N/A	Devices	1,060	
LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2010	N/A	Devices	1,446	
LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2011	N/A	Devices	512	
LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2012	N/A	Devices	233	
LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2013	N/A	Devices	6,151	
LDC	Consumer	peaksaverPLUS (IHD)	Enersource H ₂	Residential	DR	Dx	2012	N/A	Devices	584	
LDC	Consumer	peaksaverPLUS (IHD)	Enersource H ₂	Residential	DR	Dx	2013	N/A	Devices	9,841	
LDC	Industrial	DR-3	Enersource H ₂	Industrial	DR	Dx	2013	N/A	Facilities	18	
LDC	Industrial	Energy Manager	Enersource H ₂	Industrial	EE	Dx	2013	N/A		20	1.083
Non-LDC	Business	peaksaverPLUS	Enersource H ₂	Commercial & DR		Dx	2007	N/A	Devices	7	
Non-LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2006	N/A	Devices	133	
Non-LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2007	N/A	Devices	2,170	
Non-LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2008	N/A	Devices	1,468	
Non-LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2009	N/A	Devices	1,602	
Non-LDC	Consumer	peaksaverPLUS	Enersource H ₂	Residential	DR	Dx	2010	N/A	Devices	1,681	
Non-LDC	Industrial	DR-3	Enersource H ₂	Industrial	DR	Dx	2013	N/A	Facilities	5	
LDC	Consumer	Appliance Retirement	Enersource H ₂	Residential	EE	Dx	2013	N/A	Appliances	1	0.000
LDC	Consumer	HVAC	Enersource H ₂	Residential	EE	Dx	2012	Blended Load	Equipment	1	0

APPENDIX 2 - LDC Summary

All Savings at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	Tx (Transmission) or Dx (Distribution) connected	(Implementation) Year
LDC	Business	Direct Install Lighting	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2014
LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2011
LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2012
LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2012
LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2013
LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2013
LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2014
LDC	Business	High Performance New Construction	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2013
LDC	Business	High Performance New Construction	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2014
LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2012
LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2013
LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2014
LDC	Consumer	Appliance Exchange	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Consumer	Bi-Annual Retailer Event	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Consumer	Conservation Instant Coupon Booklet	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2013
LDC	Consumer	Conservation Instant Coupon Booklet	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Home Assistance	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2012
LDC	Home Assistance	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2013
LDC	Home Assistance	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2013
LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2012
LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Consumer	Residential New Construction	Enersource Hydro Mississauga Inc.	Residential	EE	Dx	2014
LDC	Other	LDC Pilots	Enersource Hydro Mississauga Inc.	Commercial	EE	Dx	2014
LDC	Other	Time-of-Use Savings	Enersource Hydro Mississauga Inc.	Other	DR	Dx	2014
non-Tier 1	Business	Commercial Demand Response	Enersource Hydro Mississauga Inc.	Commercial	DR	Dx	2007
non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2006
non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2007
non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2008
non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2009
non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2010
non-Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississauga Inc.	Industrial	DR	Dx	2014
Tier 1	Business	Demand Response 3	Enersource Hydro Mississauga Inc.	Commercial	DR	Dx	2014
Tier 1	Business	Commercial Demand Response	Enersource Hydro Mississauga Inc.	Commercial	DR	Dx	2014
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2006
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2007
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2008
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2009
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2010
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2011
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2012
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2013
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	Dx	2014
Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississauga Inc.	Industrial	DR	Dx	2014
Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	Dx	2012
Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	Dx	2013
Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	Dx	2014

Notes	Activity Unit Name	Activity/Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)	Net Annual Summer Peak Demand Savings (MW)					Net Annual
					2011	2012	2013	2014	2015	2011
n/a	Projects	1468	1347.731	4679900	0	0	0	1.347731	1.321802	0
n/a	Audit	1	2.220977	43993.46	0.002221	0.002221	0.002221	0.002221	0	10.99837
n/a	Audit	3	8.763365	130189.6	0	0.008763	0.008763	0.008763	0.008763	0
n/a	Audit	1	6.381252	94800.63	0	0.006381	0.006381	0.006381	0.006381	0
n/a	Audit	1	0.064295	706.9721	0	0	6.43E-05	6.43E-05	6.43E-05	0
n/a	Audit	5	44.09261	484829	0	0	0.044093	0.044093	0.044093	0
n/a	Audit	64	855.4836	4177508	0	0	0	0.855484	0.855484	0
n/a		6	97.60778	423564.5	0	0	0.097608	0.097608	0.097608	0
n/a		7	120.2489	204719.6	0	0	0	0.120249	0.120249	0
n/a	Projects	22	353.64	2575756	0	0.35364	0.35364	0.35364	0.34721	0
n/a	Projects	94	849.1224	18621136	0	0	0.852372	0.849122	0.848262	0
n/a	Projects	840	6001.74	41820981	0	0	0	6.00174	5.993621	0
Dehumidifier Load Shape	Appliances	127	26.31365	46918.86	0	0	0	0.026314	0.026314	0
n/a	Appliances	4	0.467017	417.6322	0	0	0	0.000467	0.000467	0
n/a	Appliances	2	0.35398	631.1676	0	0	0	0.000354	0.000354	0
n/a	Appliances	146.1571	10.17799	73694.46	0	0	0	0.010178	0.010178	0
n/a	Appliances	320.3926	19.22085	130786	0	0	0	0.019221	0.019221	0
Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.	measures	189443.2	315.8233	4825760	0	0	0	0.315823	0.275679	0
Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.	measures	41.23268	0.1	926	0	0	0.000065	0.000065	0.000065	0
Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.	measures	42847.59	86.66107	1166247	0	0	0	0.086661	0.08184	0
n/a	Homes	30	7.133428	94781.05	0.007	0.007159	0.007159	0.007136	0.007133	47.87352
n/a	Homes	219	55.62849	532566.9	0	0	0.05602	0.055662	0.055628	0
n/a	Homes	1003	59.2122	1444985	0	0	0	0.059371	0.059212	0
Blended Load Shape used for furnaces	Equipment	316	68.38299	240183.2	0	0	0.068383	0.068383	0.068383	0
n/a	Equipment	4	1.137763	6615.089	0	0.001138	0.001138	0.001138	0.001138	0
n/a	Equipment	7039	1397.824	2581153	0	0	0	1.397824	1.397824	0
n/a	Homes	2	0.087381	1304.1	0	0	0	8.74E-05	8.74E-05	0
n/a	n/a	1			0	0	0	0.024171	0	0
n/a	n/a		3830.62	0	0	0	0	3.83062	0	0
n/a	Devices	7			0	0	0	0.00399	0	0
n/a	Devices	111			0	0	0	0.057348	0	0
n/a	Devices	1877			0	0	0	0.970107	0	0
n/a	Devices	1294			0	0	0	0.668805	0	0
n/a	Devices	1381			0	0	0	0.713772	0	0
n/a	Devices	1451			0	0	0	0.749905	0	0
n/a	Facilities	5			0	0	0	1.225768	0	0
n/a	Facilities	7			0	0	0	0.903533	0	0
n/a	Devices	432			0	0	0	0.24276	0	0
n/a	Devices	43			0	0	0	0.022225	0	0
n/a	Devices	982			0	0	0	0.507548	0	0
n/a	Devices	836			0	0	0	0.432088	0	0
n/a	Devices	1221			0	0	0	0.631075	0	0
n/a	Devices	1603			0	0	0	0.828467	0	0
n/a	Devices	483			0	0	0	0.249639	0	0
n/a	Devices	257			0	0	0	0.132831	0	0
n/a	Devices	6100			0	0	0	3.152618	0	0
n/a	Devices	3209			0	0	0	1.658461	0	0
n/a	Facilities	22			0	0	0	17.24336	0	0
n/a		0	0	0	0	0	0	0	0	0
n/a		-4	943.5735	17970587	0	0	0.891363	0.943574	0.943574	0
n/a		13	477.9519	3893879	0	0	0	0.477952	0.385405	0

al Energy Savings (MWh)

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
0	0	4679.9	4579.621	4449.982	2705.295	2705.295	2705.295	2705.295	2705.295	2705.295	2705.295	2637.606	1033.658	6.795866	6.795866	6.795866	0	0	0	0	0	0
10.99837	10.99837	10.99837	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43.39653	43.39653	43.39653	43.39653	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31.60021	31.60021	31.60021	31.60021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0.353486	0.353486	0.353486	0.353486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	242.4145	242.4145	242.4145	242.4145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	4177.508	4177.508	4177.508	4177.508	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	211.7822	211.7822	211.7822	211.7822	211.7822	211.7822	211.7822	211.7822	211.7822	211.7822	158.8383	158.8383	136.6098	136.6098	106.0542	0	0	0	0	0	0	0
0	0	204.7196	204.7196	204.7196	204.7196	204.7196	204.7196	204.7196	204.7196	175.5295	175.5295	116.9703	116.9703	116.9703	116.9703	116.9703	0	0	0	0	0	0
1134.687	1134.687	1134.687	1111.471	1111.471	986.593	973.698	973.698	797.46	709.744	512.221	470.708	79.473	79.473	79.473	57.163	1.18	1.18	1.18	1.18	0	0	0
0	9316.522	9304.613	9301.615	9301.615	9199.956	9143.752	9143.752	8876.305	8522.28	8112.566	5054.523	2836.997	1913.392	1872.346	1872.346	1523.484	53.18758	44.22247	44.22247	44.22247	0	0
0	0	41820.98	41792.52	41792.52	41240.74	41240.74	41140.98	39030.2	39030.2	37213.81	27982.62	18261.8	17247.75	10162.27	9976.459	9976.459	7943.957	767.5146	767.5146	767.5146	767.5146	0
0	0	46.91886	46.91886	46.91886	46.91886	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.417632	0.417632	0.417632	0.417632	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.631168	0.631168	0.631168	0.631168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	73.69446	73.69446	73.69446	73.69446	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	130.786	130.786	130.786	130.786	130.786	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	4825.76	4186.296	3853.043	3853.043	3853.043	3853.043	3853.043	3851.374	3851.374	3581.992	3482.378	2944.728	2944.728	2902.56	2902.56	2898.456	2356.254	2356.254	2356.254	2356.254	0
0	0.926	0.926	0.88	0.761	0.761	0.761	0.761	0.639	0.639	0.607	0.607	0.607	0.607	0.607	0.607	0.607	0.32	0.32	0.32	0.32	0	0
0	0	1166.247	1089.769	1052.672	1052.672	1052.672	1052.672	1050.742	1050.742	906.0239	819.1449	774.6642	774.6642	770.0307	770.0307	770.0307	768.9317	346.4441	346.4441	346.4441	346.4441	0
47.87352	47.87352	47.41152	47.36952	44.62097	41.39469	40.18842	38.77842	38.18642	22.65952	22.65952	22.57952	22.57952	21.64552	21.64552	12.87052	12.60052	12.60052	12.60052	12.60052	12.60052	1.899	0
0	273.5837	266.606	265.9609	249.1575	243.2899	237.4269	234.1991	232.7737	154.2303	153.8581	151.2535	151.2535	149.5158	149.5158	117.5118	116.7518	116.7518	116.7518	116.7518	116.7518	5.547079	0
0	0	724.043	720.9421	644.3689	618.4862	589.7775	589.7775	583.2211	580.4579	265.8601	265.3721	256.2702	256.2702	249.5606	249.5606	31.97564	28.28845	28.28845	28.28845	28.28845	28.28845	22.155
0	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	120.0916	109.2582	0	0	0
2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	2.20503	0	0	0
0	0	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2581.153	2453.313	0	0
0	0	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	1.3041	0
0	0	184.2412	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.015699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.243995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.168769	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.186431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.185122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.111858	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.093542	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.141295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.168769	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.055602	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.02682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.646947	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	8343.933	9626.653	9626.653	9624.763	10523.55	11599.05	11599.05	11599.05	11590.95	11590.95	10995.3	11021.22	1666.62	1666.62	1666.62	1521.9	1521.9	1521.9	1521.9	1521.9	0	0
0	0	3893.879	2676.503	2372.464	2372.464	2372.464	2372.464	2372.464	2372.464	2372.464	2372.464	2130.97	2130.97	325.728	325.728	325.728	0	0	0	0	0	0

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SAVINGS REPORT GUELPH RZ

Guelph Hydro 2011 Persistence by LDC

Table is at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Status
Tier 1	Consumer	Appliance Exchange	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012
Tier 1	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012
Tier 1	Consumer	Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012
Tier 1	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012
Tier 1	Consumer	HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012
Tier 1	Consumer	Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	2011	Final; Released August 31, 2012
Tier 1	Consumer	Retailer Co-op	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012
Tier 1	Business	Commercial Demand Response (part of the Residential program schedule)	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	DR	2011	Final; Released August 31, 2012
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	DR	2011	Final; Released August 31, 2012
Tier 1	Business	Direct Install Lighting	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	Final; Released August 31, 2012
Tier 1	Business	Retrofit	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	Final; Released August 31, 2012
Tier 1	Industrial	Demand Response 3	Guelph Hydro Electric Systems Inc.	Industrial	DR	2011	Final; Released August 31, 2012
Tier 1	Industrial	Retrofit	Guelph Hydro Electric Systems Inc.	Industrial	EE	2011	Final; Released August 31, 2012
Tier 1	Pre-2011 Programs Completed in 2011	Electricity Retrofit Incentive Program	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	Final; Released August 31, 2012
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	Final; Released August 31, 2012

Guelph Hydro 2011 Persistence by LDC

Table is at the End User Level

Portfolio	Program	Initiative	Notes:	Activity Unit Name	Activity/Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)
Tier 1	Consumer	Appliance Exchange		Appliances	24	0.00
Tier 1	Consumer	Appliance Retirement		Appliances	794	0.09
Tier 1	Consumer	Bi-Annual Retailer Event		Products	7,818	0.01
Tier 1	Consumer	Conservation Instant Coupon Booklet		Products	4,560	0.01
Tier 1	Consumer	HVAC Incentives		Installations	1,460	0.75
Tier 1	Consumer	Residential Demand Response	New participants during the peaksaver extension period + Continuing participants that have signed a peaksaver PLUS agreement	Devices	222	0.12
Tier 1	Consumer	Retailer Co-op	Custom retailer initiative; Not evaluated	Products	0	0.00
Tier 1	Business	Commercial Demand Response (part of the Residential program schedule)	New participants during the peaksaver extension period + Continuing participants that have signed a peaksaver PLUS agreement	Devices	3	0.00
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	Gross reflects contracted MW and Net reflects Ex ante MW	Facilities	5	0.41
Tier 1	Business	Direct Install Lighting		Projects	198	0.29
Tier 1	Business	Retrofit		Projects	21	0.15
Tier 1	Industrial	Demand Response 3	Gross reflects contracted MW and Net reflects Ex ante MW	Facilities	0	0.00
Tier 1	Industrial	Retrofit		Projects	13	0.84
Tier 1	Pre-2011 Programs Completed in 2011	Electricity Retrofit Incentive Program	Not evaluated; 2010 Evaluation findings used	Projects	52	2.66
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction	Not evaluated; 2010 Evaluation findings used	Projects	4	0.12

Guelph Hydro 2011 Persistence by LDC

Table is at the End User Level

Portfolio	Program	Initiative	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Tier 1	Consumer	Appliance Exchange	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Appliance Retirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Bi-Annual Retailer Event	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Conservation Instant Coupon Booklet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	HVAC Incentives	0.45	0.45	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Residential Demand Response	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Retailer Co-op	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Business	Commercial Demand Response (part of the Residential program schedule)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Business	Direct Install Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Business	Retrofit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Industrial	Demand Response 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Industrial	Retrofit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Pre-2011 Programs Completed in 2011	Electricity Retrofit Incentive Program	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.00	0.00	0.00

Guelph Hydro 2011 Persistence by LDC

Table is at the End User Level

Portfolio	Program	Initiative	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Tier 1	Consumer	Appliance Exchange	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Appliance Retirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Bi-Annual Retailer Event	21.37	15.78	15.78	14.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Conservation Instant Coupon Booklet	14.07	12.96	12.96	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	HVAC Incentives	861.57	861.57	861.57	861.57	861.57	861.57	813.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Residential Demand Response	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Consumer	Retailer Co-op	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Business	Commercial Demand Response (part of the Residential program schedule)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Business	Direct Install Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Business	Retrofit	51.69	51.69	51.69	51.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Industrial	Demand Response 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Industrial	Retrofit	888.42	888.42	888.42	888.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Pre-2011 Programs Completed in 2011	Electricity Retrofit Incentive Program	7,431.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction	317.09	317.09	317.09	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	0.00	0.00	0.00

Guelph Hydro Electric Systems Inc.												
Table is at the End User Level												
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Status	Notes:	Activity Unit Name	Activity/Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)
Tier 1	Business	Direct Install Lighting	Guelph Hydro Electric Systems Inc.	C&I	EE	2012	Final; Released August 31, 2013		Projects	160	0.1656	587.5615
Tier 1	Business	Retrofit	Guelph Hydro Electric Systems Inc.	C&I	EE	2012	Final; Released August 31, 2013		Projects	92	1.3882	6555.0284
Tier 1	Business	Energy Audit	Guelph Hydro Electric Systems Inc.	C&I	EE	2012	Final; Released August 31, 2013		Audits	16	0.0828	402.8201
Tier 1	Consumer	Appliance Exchange	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	Final; Released August 31, 2013		Appliances	21.44957288	0.0062	10.9409
Tier 1	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	Final; Released August 31, 2013		Appliances	425.97346	0.0494	361.7420
Tier 1	Consumer	Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	Final; Released August 31, 2013		Products	9530.350209	0.0146	262.5096
Tier 1	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	Final; Released August 31, 2013		Products	277.5007498	0.0021	11.9109
Tier 1	Consumer	HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	Final; Released August 31, 2013		Installations	1059.165786	0.5122	919.7241
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction	Guelph Hydro Electric Systems Inc.	C&I	EE	2012	Final; Released August 31, 2013	Projects	Projects	0.008983263	0.0010	0.9835
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	Guelph Hydro Electric Systems Inc.	C&I	DR	2012	Final; Released August 31, 2013		Facilities	6	1.0688	15.5352
Tier 1	Other	Program Enabled Savings	Guelph Hydro Electric Systems Inc.			2012	Final; Released August 31, 2013			4	2.3040	1188.3620
Tier 1 True Up	Business	Retrofit	Guelph Hydro Electric Systems Inc.	C&I	EE	2011	Final; Released August 31, 2013		Projects	5	0.1901	1304.1303
Tier 1 True Up	Business	Direct Install Lighting	Guelph Hydro Electric Systems Inc.	C&I	EE	2011	Final; Released August 31, 2013		Projects	27	0.0435	100.0753
Tier 1 True Up	Pre-2011 Programs Completed in 2011	High Performance New Construction	Guelph Hydro Electric Systems Inc.	C&I	EE	2011	Final; Released August 31, 2013		Buildings	-0.014798068	-0.0020	-201.7188
Tier 1 True Up	Consumer	HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2013		Installations	-244.0004097	-0.0713	-0.0713
Tier 1 True Up	Consumer	Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2013		Products	734.9836048	0.0010	21.3228
Tier 1 True Up	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2013		Products	73.80648639	0.0001	2.2995

Guelph Hydro Electric Systems Inc.															
Table is at the End User Level															
			Net Annual Summer Peak Demand Savings (MW)												
Portfolio	Program	Initiative	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Tier 1	Business	Direct Install Lighting	0	0.15624	0.15624	0.15391	0.14459	0.14459	0.06241	0.06241	0.06241	0.06241	0.06241	0.06143	0.06143
Tier 1	Business	Retrofit	0	1.05506	1.04852	1.01944	0.84185	0.84185	0.75305	0.74507	0.74507	0.73688	0.62916	0.62293	0.62293
Tier 1	Business	Energy Audit	0	0.08283	0.08283	0.08283	0.08283	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Tier 1	Consumer	Appliance Exchange	0	0.00317	0.00317	0.00317	0.00315	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Tier 1	Consumer	Appliance Retirement	0	0.02282	0.02282	0.02282	0.02282	0.01367	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Tier 1	Consumer	Bi-Annual Retailer Event	0	0.01330	0.01330	0.01330	0.01330	0.01217	0.01030	0.00771	0.00768	0.00768	0.00495	0.00194	0.00194
Tier 1	Consumer	Conservation Instant Coupon Booklet	0	0.00207	0.00207	0.00207	0.00207	0.00206	0.00206	0.00176	0.00175	0.00175	0.00175	0.00003	0.00003
Tier 1	Consumer	HVAC Incentives	0	0.25310	0.25310	0.25310	0.25310	0.25310	0.25310	0.25310	0.25310	0.25310	0.25310	0.25310	0.25310
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction	0	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	0	1.06879	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Tier 1	Other	Program Enabled Savings	0	2.30400	2.30400	2.30400	0.22800	0.22800	0.22800	0.22800	0.22800	0.22800	0.22800	0.22800	0.22800
Tier 1 True Up	Business	Retrofit	0.135346103	0.13535	0.13535	0.13535	0.13535	0.13535	0.12795	0.04545	0.03028	0.03028	0.03028	0.03028	0.01686
Tier 1 True Up	Business	Direct Install Lighting	0.040224072	0.04022	0.04022	0.03758	0.03758	0.03758	0.00639	0.00639	0.00639	0.00639	0.00633	0.00633	0.00000
Tier 1 True Up	Pre-2011 Programs Completed in 2011	High Performance New Construction	-0.000983332	-0.00098	-0.00098	-0.00098	-0.00098	-0.00098	-0.00098	-0.00098	-0.00098	-0.00098	-0.00098	-0.00098	-0.00098
Tier 1 True Up	Consumer	HVAC Incentives	-0.071274782	-0.07127	-0.07127	-0.07127	-0.07127	-0.07127	-0.07127	-0.07127	-0.07127	-0.07127	-0.07127	-0.07127	-0.07127
Tier 1 True Up	Consumer	Bi-Annual Retailer Event	0.000968971	0.00097	0.00097	0.00097	0.00097	0.00089	0.00051	0.00051	0.00051	0.00016	0.00007	0.00007	0.00007
Tier 1 True Up	Consumer	Conservation Instant Coupon Booklet	0.000144621	0.00014	0.00014	0.00014	0.00014	0.00013	0.00009	0.00009	0.00009	0.00005	0.00001	0.00001	0.00001

Guelph Hydro Electric Systems Inc.			Table is at the End User Level															
Portfolio	Program	Initiative	Net Annual Energy Savings (MWh)															
			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Tier 1	Business	Direct Install Lighting	0.00000	553.50578	553.50578	543.66175	506.59129	506.59129	215.93485	215.93485	215.93485	215.93485	215.93485	206.29176	206.29176	0.00000	0.00000	
Tier 1	Business	Retrofit	0.00000	5028.19893	5006.76954	4911.77198	4331.06347	4331.06347	4039.11688	3990.37326	3990.37326	3932.82805	3288.69937	3100.00957	3096.04402	1706.74172	1456.17061	
Tier 1	Business	Energy Audit	0.00000	402.82007	402.82007	402.82007	402.82007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Tier 1	Consumer	Appliance Exchange	0.00000	5.63854	5.63854	5.63854	5.62147	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Tier 1	Consumer	Appliance Retirement	0.00000	167.64323	167.64323	167.64323	167.64323	103.94715	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Tier 1	Consumer	Bi-Annual Retailer Event	0.00000	240.58682	240.58682	240.58682	240.58682	216.27224	175.86022	119.95471	119.70536	119.70536	60.80121	45.12243	43.72010	43.72010	40.66779	
Tier 1	Consumer	Conservation Instant Coupon Booklet	0.00000	12.56041	12.56041	12.56041	12.56041	12.37171	12.37171	5.82580	5.79364	5.79364	5.79364	0.94098	0.75782	0.75782	0.65123	
Tier 1	Consumer	HVAC Incentives	0.00000	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	449.78271	
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction	0.00000	0.98347	0.98347	0.98347	0.98347	0.98347	0.98347	0.98347	0.98347	0.98347	0.98347	0.98347	0.98347	0.98347	0.00000	0.00000
Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	0.00000	15.53522	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Tier 1	Other	Program Enabled Savings	0.00000	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200	1188.36200
Tier 1 True Up	Business	Retrofit	1002.94145	1002.94145	1002.94145	1002.94145	1002.94145	1002.94145	947.01383	259.38632	201.31977	201.31977	201.31977	201.31977	201.31977	115.06978	115.06978	115.06978
Tier 1 True Up	Business	Direct Install Lighting	92.92384	92.92384	92.92384	85.52541	85.52541	85.52541	14.96975	14.96975	14.96975	14.96975	14.56064	14.56064	0.00000	0.00000	0.00000	0.00000
Tier 1 True Up	Pre-2011 Programs Completed in 2011	High Performance New Construction	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939	-100.85939
Tier 1 True Up	Consumer	HVAC Incentives	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849	-134.07849
Tier 1 True Up	Consumer	Bi-Annual Retailer Event	19.61397	19.61397	19.61397	19.61397	19.61397	17.82348	9.62270	9.62074	9.62074	2.12241	1.78306	1.63739	1.63739	1.35879	1.35879	1.35879
Tier 1 True Up	Consumer	Conservation Instant Coupon Booklet	2.47628	2.47628	2.47628	2.47628	2.47628	2.26253	1.38804	1.38615	1.38615	0.49100	0.22175	0.16135	0.16135	0.14481	0.14481	0.14481

Guelph Hydro Electric Systems Inc. 2013 Verified Results

All Savings at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	Tx (Transmission) or Dx (Distribution) connected	(Implementation) Year
LDC	Business	Energy Audit Funding	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	Dx	2012
LDC	Business	Energy Audit Funding	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	Dx	2013
LDC	Business	DR-3	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	DR	Dx	2013
LDC	Business	Retrofit	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	Dx	2012
LDC	Business	Retrofit	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	Dx	2013
LDC	Business	Small Business Lighting	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	Dx	2013
LDC	Consumer	Annual Coupons	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2013
LDC	Consumer	Appliance Exchange	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2013
LDC	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2013
LDC	Consumer	Bi-Annual Retailer Events	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2013
LDC	Consumer	HVAC	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2013
LDC	Consumer	HVAC	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2012
LDC	Industrial	DR-3	Guelph Hydro Electric Systems Inc.	Industrial	DR	Dx	2013
LDC	Other	Program Enabled Savings	Guelph Hydro Electric Systems Inc.	Other	EE	Dx	2013
LDC	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2013
LDC	Consumer	HVAC	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2012

Guelph Hydro Electric Systems Inc

All Savings at the End User Level

Portfolio	Program	Initiative	Notes	Activity Unit Name	Activity/Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)
LDC	Business	Energy Audit Funding	N/A	Audit	3	0.016	75.529
LDC	Business	Energy Audit Funding	N/A	Audit	1	0.013	73.311
LDC	Business	DR-3	N/A	Facilities	6		
LDC	Business	Retrofit	N/A	Projects	6	0.042	220.765
LDC	Business	Retrofit	N/A	Projects	101	1.375	9,432.736
LDC	Business	Small Business Lighting	N/A	Projects	76	0.111	383.413
LDC	Consumer	Annual Coupons	Custom loadshapes for some clotheslines, outdoor timers and power bars based on survey results.	measures	3,116	0.004	61.466
LDC	Consumer	Appliance Exchange	Dehumidifier Load Shape	Appliances	54	0.021	37.903
LDC	Consumer	Appliance Retirement	N/A	Appliances	208	0.031	188.044
LDC	Consumer	Bi-Annual Retailer Events	Custom loadshapes for some clotheslines, outdoor timers and power bars based on survey results.	measures	8,487	0.010	147.697
LDC	Consumer	HVAC	Blended Load Shape used for furnaces	Equipment	1,310	0.595	1,058.632
LDC	Consumer	HVAC	Blended Load Shape used for furnaces	Equipment	28	0.014	25.196
LDC	Industrial	DR-3	N/A	Facilities	22		
LDC	Other	Program Enabled Savings	N/A		1	0.016	96.000
LDC	Consumer	Appliance Retirement	N/A	Appliances	0	0	0
LDC	Consumer	HVAC	Blended Load Shape used for furnaces	Equipment	0	0	0

Guelph Hydro - 2014 Persistence Data

All Savings at the End User Level

Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	Tx (Transmission) or Dx (Distribution) connected	(Implementation) Year	Notes
LDC	Business	Direct Install Lighting	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2014	n/a
LDC	Business	Energy Audit	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2012	n/a
LDC	Business	Energy Audit	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2012	n/a
LDC	Business	Energy Audit	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2013	n/a
LDC	Business	Energy Audit	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2013	n/a
LDC	Business	Energy Audit	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2014	n/a
LDC	Business	High Performance New Construction	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2013	n/a
LDC	Business	High Performance New Construction	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2014	n/a
LDC	Business	Retrofit	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2012	n/a
LDC	Business	Retrofit	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2013	n/a
LDC	Business	Retrofit	Guelph Hydro Electric Systems Inc.	Commercial	EE	Dx	2014	n/a
LDC	Consumer	Appliance Exchange	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	Dehumidifier Load Shape
LDC	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	n/a
LDC	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	n/a
LDC	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	n/a
LDC	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	n/a
LDC	Consumer	Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.
LDC	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2013	Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.
LDC	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	Custom loadshapes for clotheslines, outdoor timers and power bars based on survey results.
LDC	Home Assistance	Home Assistance Program	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	n/a
LDC	Consumer	HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	DR	Dx	2013	Blended Load Shape used for furnaces
LDC	Consumer	HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2012	n/a
LDC	Consumer	HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	EE	Dx	2014	n/a
LDC	Program Enabled	LDC Program Enabled Savings	Guelph Hydro Electric Systems Inc.	Other	EE	Dx	2011	n/a
LDC	Program Enabled	LDC Program Enabled Savings	Guelph Hydro Electric Systems Inc.	Other	EE	Dx	2012	n/a
LDC	Other	Time-of-Use Savings	Guelph Hydro Electric Systems Inc.	Other	DR	Dx	2014	n/a
Tier 1	Business	Demand Response 3	Guelph Hydro Electric Systems Inc.	Commercial	DR	Dx	2014	n/a
Tier 1	Business	Commercial Demand Response	Guelph Hydro Electric Systems Inc.	Commercial	DR	Dx	2009	n/a
Tier 1	Business	Commercial Demand Response	Guelph Hydro Electric Systems Inc.	Commercial	DR	Dx	2011	n/a
Tier 1	Consumer	Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	Dx	2007	n/a
Tier 1	Consumer	Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	Dx	2008	n/a
Tier 1	Consumer	Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	Dx	2009	n/a
Tier 1	Consumer	Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	Dx	2010	n/a
Tier 1	Consumer	Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	Dx	2011	n/a
Tier 1	Consumer	Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	Dx	2014	n/a
Tier 1	Industrial	Demand Response 3	Guelph Hydro Electric Systems Inc.	Industrial	DR	Dx	2014	n/a
Tier 1	Industrial	Energy Managers	Guelph Hydro Electric Systems Inc.	Industrial	EE	Dx	2012	n/a
Tier 1	Industrial	Energy Managers	Guelph Hydro Electric Systems Inc.	Industrial	EE	Dx	2013	n/a

Activity Unit Name	Activity/ Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)
Projects	87	107.8756817	384907.4393
Audit	1	0.517398818	7686.537864
Audit	1	2.759460361	40994.86861
Audit	1	0.00584503	64.27018981
Audit	118	1040.585555	11441965.08
Audit	4	53.46772206	261094.2802
	1	1.696128627	5690.290909
	2	2.020961296	20615.86889
Projects	9	5.07	420105.44
Projects	15	281.5579995	2800786.199
Projects	103	1106.594668	7229048.029
Appliances	67	13.88200464	24752.47182
Appliances	3	0.350262892	313.2241398
Appliances	4	0.707959337	1262.335233
Appliances	69.03593305	4.807480684	34808.89352
Appliances	123.0898326	7.384348918	50245.91907
measures	43342.00657	72.25604673	1104067.862
measures	9.433472592	0	212
measures	10100.10149	20.40717428	271895.0872
Homes	52	1.3729588	39951.7769
Equipment	69	15.43527203	54597.25763
Equipment	6	1.406870241	7337.0402
Equipment	1720	350.7467642	650307.4599
Projects	1	119.475	1796904
Projects	2	2638.8	2983221.6
n/a		688.4239662	0
Facilities	7		
Devices	3		
Devices	3		
Devices	9		
Devices	63		
Devices	94		
Devices	228		
Devices	151		
Devices	172		
Facilities	22		
	0	0	0
	1	0.177498	20935.38462

ATTACHMENT 50
2015 ANNUAL PERSISTENCE
REPORT HORIZON UTILITIES RZ

Final 2015 Annual Verified Results - Annual Persistence Report



#	Worksheet Name	Worksheet Description
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1	How to Use This Report	Describes the contents and structure of this report
2	Energy Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Energy Savings at the end-user level resulting from the 2015 CDM Program Year
3	Demand Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Demand Savings at the end-user level resulting from the 2015 CDM Program Year

Final 2015 Annual Verified Results - Annual Persistence Report



The IESO is pleased to provide the Final 2015 Annual Verified Results - Annual Persistence Report.

This report is based on the same data used to provide the Final 2015 Annual Verified Results Report to LDCs on June 30, 2016. The data included in this report is provided on a more granular level, providing annual savings amounts for the 2015 - 2040 period resulting from the 2015 CDM Program Year to aid LDCs in analysis such as supporting Lost Revenue Adjustment Mechanism (LRAM) calculations.

The data provided is the same final 2015 net verified, end-user level savings amounts for both energy savings and demand savings for the specific LDC service areas only, no province-wide data is included in this report. The program list has been condensed to show only those programs that had achieved savings in the province, not necessarily in every LDC's service area. Initiatives, programs, pilots that were in market in 2015 and adjustments to specific years that may be populated in future years are not displayed for ease of use.

The list of initiatives, programs and pilots is shown on the left and each year's remaining savings is shown across the columns. Savings may deteriorate by year as a result of the mix of measures actually installed may have some measures with shorter expected useful lives (EULs) than others and some measures may have a baseline shift occur during their EULs.

This type of data will be incorporated on an annual basis in each future year's Annual Verified Results Reports rather than provided separately for 2015. We hope you will find this report useful.

Final 2015 Annual Verified Results - Annual Persistence Report

For: Horizon Utilities Corporation

#	Program	2015	2016	2017	2018	2019
Legacy Framework						
1	Coupon Initiative	585,232	580,190	580,190	580,190	580,190
2	Bi-Annual Retailer Event Initiative	1,375,807	1,328,446	1,328,446	1,328,446	1,328,446
3	Appliance Retirement Initiative	86,849	86,849	86,849	86,432	47,616
4	HVAC Incentives Initiative	1,477,035	1,477,035	1,477,035	1,477,035	1,477,035
5	Residential New Construction and Major Renovation Initiative	219,469	219,469	219,469	219,469	219,469
6	Energy Audit Initiative	499,499	499,499	499,499	499,499	0
7	Efficiency: Equipment Replacement Incentive Initiative	25,824,643	25,824,643	25,697,363	25,696,945	25,696,945
8	Direct Install Lighting and Water Heating Initiative	4,901,161	4,211,758	3,148,129	3,146,287	3,146,287
9	New Construction and Major Renovation Initiative	58,323	58,323	58,323	58,323	58,323
10	Existing Building Commissioning Incentive Initiative	596,676	596,676	596,676	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	29,092,220	29,092,220	29,092,220	29,092,220	29,092,220
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	1,382,502	1,382,502	1,382,502	1,382,502	1,358,635
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0
14	Low Income Initiative	237,547	185,413	176,726	169,475	169,475
15	Loblaws Pilot	0	0	0	0	0
16	Social Benchmarking Pilot	2,978,654	0	0	0	0
17	Conservation Fund Pilot - SEG	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0
20	Program Enabled Savings	417,923	417,923	417,923	417,923	417,923
Conservation First Framework						
21	Save on Energy Coupon Program	3,913,143	3,879,729	3,879,729	3,879,729	3,879,729
22	Save on Energy Heating and Cooling Program	1,587,453	1,587,453	1,587,453	1,587,453	1,587,453
23	Save on Energy Home Assistance Program	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0
25	Save on Energy Retrofit Program	1,883,044	1,883,044	1,882,176	1,882,176	1,882,176
Total		77,117,180	73,311,172	72,110,708	71,504,104	70,941,922



2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
580,190	580,190	580,033	580,033	580,033	518,769	516,204	516,204	515,276	515,276	515,003
1,328,446	1,328,446	1,328,446	1,328,446	1,328,446	1,178,266	1,018,592	1,018,592	1,018,592	1,018,592	1,018,592
0	0	0	0	0	0	0	0	0	0	0
1,477,035	1,477,035	1,477,035	1,477,035	1,477,035	1,477,035	1,477,035	1,477,035	1,477,035	1,477,035	1,477,035
219,469	219,469	219,469	219,469	219,469	219,469	219,469	219,469	219,469	219,469	219,469
0	0	0	0	0	0	0	0	0	0	0
25,676,804	25,138,822	25,138,822	24,860,563	23,036,754	18,023,880	17,534,117	4,990,062	4,433,065	4,433,065	3,096,171
3,146,287	3,146,287	3,146,287	3,146,287	3,146,287	3,000,236	829,290	0	0	0	0
58,323	58,323	58,323	58,323	58,323	58,323	58,323	58,323	58,323	29,414	0
0	0	0	0	0	0	0	0	0	0	0
29,092,220	29,092,220	29,092,220	29,092,220	29,092,220	1,377,500	1,377,500	1,377,500	1,377,500	1,377,500	0
1,320,160	1,320,160	1,312,773	1,299,574	528,341	442,298	80,814	2,948	2,948	2,948	0
0	0	0	0	0	0	0	0	0	0	0
169,475	166,931	166,831	86,294	85,862	81,001	80,388	79,825	79,825	8,230	8,134
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
417,923	417,923	417,923	417,923	417,923	417,923	417,923	417,923	417,923	417,923	0
3,879,729	3,879,729	3,877,505	3,877,505	3,877,505	3,636,835	3,616,432	3,616,432	3,540,890	3,540,890	3,532,881
1,587,453	1,587,453	1,587,453	1,587,453	1,587,453	1,587,453	1,587,453	1,587,453	1,587,453	1,587,453	1,587,453
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
1,882,176	1,786,538	1,786,538	1,755,270	1,432,240	564,489	485,719	149,063	149,063	149,063	94,214
70,835,690	70,199,526	70,189,658	69,786,395	66,867,891	32,583,477	29,299,259	15,510,829	14,877,362	14,776,858	11,548,952

Final 2015 Annual Verified Results - Annual Persistence Report

For: Horizon Utilities Corporation

#	Program	2015	2016	2017	2018	2019	2020	2021	2022	2023
Legacy Framework										
1	Coupon Initiative	38	37	37	37	37	37	37	37	37
2	Bi-Annual Retailer Event Initiative	102	99	99	99	99	99	99	99	99
3	Appliance Retirement Initiative	13	13	13	13	7	0	0	0	0
4	HVAC Incentives Initiative	783	783	783	783	783	783	783	783	783
5	Residential New Construction and Major Renovation Initiative	62	62	62	62	62	62	62	62	62
6	Energy Audit Initiative	106	106	106	106	0	0	0	0	0
7	Efficiency: Equipment Replacement Incentive Initiative	2,370	2,370	2,330	2,330	2,330	2,324	2,246	2,246	2,190
8	Direct Install Lighting and Water Heating Initiative	1,178	1,019	734	733	733	733	733	733	733
9	New Construction and Major Renovation Initiative	39	39	39	39	39	39	39	39	39
10	Existing Building Commissioning Incentive Initiative	250	250	250	0	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	3,348	3,348	3,348	3,348	3,348	3,348	3,348	3,348	3,348
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	116	116	116	116	116	103	103	103	100
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0	0	0	0	0
14	Low Income Initiative	20	17	17	16	16	16	16	16	12
15	Loblaws Pilot	0	0	0	0	0	0	0	0	0
16	Social Benchmarking Pilot	505	0	0	0	0	0	0	0	0
17	Conservation Fund Pilot - SEG	0	0	0	0	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0	0	0	0	0
20	Program Enabled Savings	0	0	0	0	0	0	0	0	0
Conservation First Framework										
21	Save on Energy Coupon Program	252	250	250	250	250	250	250	249	249
22	Save on Energy Heating and Cooling Program	837	837	837	837	837	837	837	837	837
23	Save on Energy Home Assistance Program	0	0	0	0	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0	0	0	0	0
25	Save on Energy Retrofit Program	260	260	260	260	260	260	245	245	243
Total		10,279	9,606	9,281	9,029	8,917	8,891	8,798	8,797	8,732

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
37	32	32	32	32	32	32	13	13	13	13	0	0	0	0	0	0
99	74	64	64	64	64	64	43	43	43	43	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
783	783	783	783	783	783	783	783	783	696	0	0	0	0	0	0	0
62	62	62	62	62	62	62	62	62	62	62	57	57	57	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,936	1,245	1,194	970	795	795	624	336	336	336	336	0	0	0	0	0	0
733	720	223	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	39	39	39	39	32	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3,348	157	157	157	157	157	0	0	0	0	0	0	0	0	0	0	0
92	65	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	11	11	11	11	2	2	2	2	2	2	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
249	224	224	224	223	223	222	61	61	61	61	0	0	0	0	0	0
837	837	837	837	837	837	837	837	837	752	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	75	72	44	44	44	37	31	31	31	31	0	0	0	0	0	0
8,422	4,324	3,710	3,223	3,047	3,031	2,663	2,168	2,168	1,996	548	58	57	57	0	0	0

**ATTACHMENT 51
2015 ANNUAL PERSISTENCE
REPORT BRAMPTON RZ**

Final 2015 Annual Verified Results - Annual Persistence Report



#	Worksheet Name	Worksheet Description
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1	How to Use This Report	Describes the contents and structure of this report
2	Energy Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Energy Savings at the end-user level resulting from the 2015 CDM Program Year
3	Demand Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Demand Savings at the end-user level resulting from the 2015 CDM Program Year

Final 2015 Annual Verified Results - Annual Persistence Report



The IESO is pleased to provide the Final 2015 Annual Verified Results - Annual Persistence Report.

This report is based on the same data used to provide the Final 2015 Annual Verified Results Report to LDCs on June 30, 2016. The data included in this report is provided on a more granular level, providing annual savings amounts for the 2015 - 2040 period resulting from the 2015 CDM Program Year to aid LDCs in analysis such as supporting Lost Revenue Adjustment Mechanism (LRAM) calculations.

The data provided is the same final 2015 net verified, end-user level savings amounts for both energy savings and demand savings for the specific LDC service areas only, no province-wide data is included in this report. The program list has been condensed to show only those programs that had achieved savings in the province, not necessarily in every LDC's service area. Initiatives, programs, pilots that were in market in 2015 and adjustments to specific years that may be populated in future years are not displayed for ease of use.

The list of initiatives, programs and pilots is shown on the left and each year's remaining savings is shown across the columns. Savings may deteriorate by year as a result of the mix of measures actually installed may have some measures with shorter expected useful lives (EULs) than others and some measures may have a baseline shift occur during their EULs.

This type of data will be incorporated on an annual basis in each future year's Annual Verified Results Reports rather than provided separately for 2015. We hope you will find this report useful.

Final 2015 Annual Verified Results - Annual Persistence Report

For: Hydro One Brampton Networks Inc.

#	Program	2015	2016	2017	2018	2019
Legacy Framework						
1	Coupon Initiative	1,538,773	1,525,016	1,525,016	1,525,016	1,525,016
2	Bi-Annual Retailer Event Initiative	2,765,359	2,716,212	2,716,212	2,716,212	2,716,212
3	Appliance Retirement Initiative	34,312	34,312	34,312	34,312	16,686
4	HVAC Incentives Initiative	2,627,013	2,627,013	2,627,013	2,627,013	2,627,013
5	Residential New Construction and Major Renovation Initiative	1,775,510	1,775,510	1,775,510	1,775,510	1,775,510
6	Energy Audit Initiative	802,189	802,189	802,189	802,189	0
7	Efficiency: Equipment Replacement Incentive Initiative	18,648,972	18,648,972	18,602,122	18,602,122	18,602,122
8	Direct Install Lighting and Water Heating Initiative	1,497,164	1,376,361	935,568	920,965	920,965
9	New Construction and Major Renovation Initiative	699,864	699,864	699,864	699,864	699,864
10	Existing Building Commissioning Incentive Initiative	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0	0	0	0	0
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	59,246	59,246	59,246	59,246	59,246
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0
14	Low Income Initiative	212,140	166,694	159,948	153,202	152,285
15	Loblaws Pilot	0	0	0	0	0
16	Social Benchmarking Pilot	0	0	0	0	0
17	Conservation Fund Pilot - SEG	2,295,877	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0
20	Program Enabled Savings	0	0	0	0	0
Conservation First Framework						
21	Save on Energy Coupon Program	0	0	0	0	0
22	Save on Energy Heating and Cooling Program	0	0	0	0	0
23	Save on Energy Home Assistance Program	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0
25	Save on Energy Retrofit Program	501,521	501,521	501,521	501,521	501,521
Total		33,457,940	30,932,910	30,438,521	30,417,172	29,596,440

Final 2015 Annual Verified Results - Annual Persistence Report

For: Hydro One Brampton Networks Inc.

#	Program	2015	2016	2017	2018	2019	2020	2021	2022	2023
Legacy Framework										
1	Coupon Initiative	100	99	99	99	99	99	99	99	99
2	Bi-Annual Retailer Event Initiative	187	184	184	184	184	184	184	183	183
3	Appliance Retirement Initiative	5	5	5	5	2	0	0	0	0
4	HVAC Incentives Initiative	1,408	1,408	1,408	1,408	1,408	1,408	1,408	1,408	1,408
5	Residential New Construction and Major Renovation Initiative	365	365	365	365	365	365	365	365	365
6	Energy Audit Initiative	171	171	171	171	0	0	0	0	0
7	Efficiency: Equipment Replacement Incentive Initiative	2,674	2,674	2,659	2,659	2,659	2,659	2,516	2,516	2,381
8	Direct Install Lighting and Water Heating Initiative	339	315	205	201	201	201	201	201	201
9	New Construction and Major Renovation Initiative	105	105	105	105	105	105	105	105	101
10	Existing Building Commissioning Incentive Initiative	0	0	0	0	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0	0	0	0	0	0	0	0	0
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	17	17	17	17	17	17	17	17	17
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0	0	0	0	0
14	Low Income Initiative	18	16	16	15	15	15	15	15	11
15	Loblaws Pilot	0	0	0	0	0	0	0	0	0
16	Social Benchmarking Pilot	0	0	0	0	0	0	0	0	0
17	Conservation Fund Pilot - SEG	262	0	0	0	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0	0	0	0	0
20	Program Enabled Savings	0	0	0	0	0	0	0	0	0
Conservation First Framework										
21	Save on Energy Coupon Program	0	0	0	0	0	0	0	0	0
22	Save on Energy Heating and Cooling Program	0	0	0	0	0	0	0	0	0
23	Save on Energy Home Assistance Program	0	0	0	0	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0	0	0	0	0
25	Save on Energy Retrofit Program	103	103	103	103	103	103	96	96	92
Total		5,754	5,462	5,337	5,332	5,158	5,156	5,006	5,005	4,858

ATTACHMENT 52
2015 ANNUAL PERSISTENCE
REPORT POWERSTREAM RZ

Final 2015 Annual Verified Results - Annual Persistence Report



#	Worksheet Name	Worksheet Description
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1	How to Use This Report	Describes the contents and structure of this report
2	Energy Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Energy Savings at the end-user level resulting from the 2015 CDM Program Year
3	Demand Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Demand Savings at the end-user level resulting from the 2015 CDM Program Year

Final 2015 Annual Verified Results - Annual Persistence Report



The IESO is pleased to provide the Final 2015 Annual Verified Results - Annual Persistence Report.

This report is based on the same data used to provide the Final 2015 Annual Verified Results Report to LDCs on June 30, 2016. The data included in this report is provided on a more granular level, providing annual savings amounts for the 2015 - 2040 period resulting from the 2015 CDM Program Year to aid LDCs in analysis such as supporting Lost Revenue Adjustment Mechanism (LRAM) calculations.

The data provided is the same final 2015 net verified, end-user level savings amounts for both energy savings and demand savings for the specific LDC service areas only, no province-wide data is included in this report. The program list has been condensed to show only those programs that had achieved savings in the province, not necessarily in every LDC's service area. Initiatives, programs, pilots that were in market in 2015 and adjustments to specific years that may be populated in future years are not displayed for ease of use.

The list of initiatives, programs and pilots is shown on the left and each year's remaining savings is shown across the columns. Savings may deteriorate by year as a result of the mix of measures actually installed may have some measures with shorter expected useful lives (EULs) than others and some measures may have a baseline shift occur during their EULs.

This type of data will be incorporated on an annual basis in each future year's Annual Verified Results Reports rather than provided separately for 2015. We hope you will find this report useful.

Final 2015 Annual Verified Results - Annual Persistence Report

For: PowerStream Inc.

#	Program	2015	2016	2017	2018	2019
Legacy Framework						
1	Coupon Initiative	1,027,535	1,018,620	1,018,620	1,018,620	1,018,620
2	Bi-Annual Retailer Event Initiative	2,194,924	2,119,365	2,119,365	2,119,365	2,119,365
3	Appliance Retirement Initiative	155,424	155,424	155,424	154,902	94,825
4	HVAC Incentives Initiative	3,175,791	3,175,791	3,175,791	3,175,791	3,175,791
5	Residential New Construction and Major Renovation Initiative	58,971	58,971	58,971	58,971	58,971
6	Energy Audit Initiative	875,115	875,115	875,115	875,115	0
7	Efficiency: Equipment Replacement Incentive Initiative	51,722,543	51,722,543	51,599,822	51,599,822	51,599,822
8	Direct Install Lighting and Water Heating Initiative	2,024,454	1,931,260	1,339,668	1,339,668	1,339,668
9	New Construction and Major Renovation Initiative	1,437,827	1,437,827	1,437,827	1,437,827	1,437,827
10	Existing Building Commissioning Incentive Initiative	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0	0	0	0	0
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	1,293,617	949,437	808,737	808,737	793,295
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0
14	Low Income Initiative	147,287	115,538	110,988	106,438	103,950
15	Loblaws Pilot	901,493	901,493	901,493	901,493	901,493
16	Social Benchmarking Pilot	0	0	0	0	0
17	Conservation Fund Pilot - SEG	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	130,073	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0
20	Program Enabled Savings	235,240	235,240	0	0	0
Conservation First Framework						
21	Save on Energy Coupon Program	6,484,457	6,429,030	6,429,030	6,429,030	6,429,030
22	Save on Energy Heating and Cooling Program	3,220,099	3,220,099	3,220,099	3,220,099	3,220,099
23	Save on Energy Home Assistance Program	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0
25	Save on Energy Retrofit Program	4,388,100	4,388,100	4,353,851	4,353,851	4,353,851
Total		79,472,950	78,733,853	77,604,801	77,599,729	76,646,607



2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1,018,620	1,018,620	1,018,276	1,018,276	1,018,276	897,223	892,900	892,900	891,106	891,106	890,669
2,119,365	2,119,365	2,119,365	2,119,365	2,119,365	1,879,773	1,625,033	1,625,033	1,625,033	1,625,033	1,625,033
0	0	0	0	0	0	0	0	0	0	0
3,175,791	3,175,791	3,175,791	3,175,791	3,175,791	3,175,791	3,175,791	3,175,791	3,175,791	3,175,791	3,175,791
58,971	58,971	58,971	58,971	58,971	58,971	58,971	58,971	58,971	58,971	58,971
0	0	0	0	0	0	0	0	0	0	0
51,599,822	50,635,032	50,635,032	49,277,020	45,797,398	34,800,889	32,466,175	17,844,990	17,789,612	17,789,612	12,430,736
1,339,668	1,339,668	1,339,668	1,339,668	1,339,668	1,288,435	512,252	0	0	0	0
1,437,827	1,437,827	1,437,827	1,434,849	1,434,849	1,434,849	1,434,849	1,426,262	1,426,262	1,330,511	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
752,682	643,670	620,972	590,250	492,441	199,030	55,120	55,120	55,120	0	0
0	0	0	0	0	0	0	0	0	0	0
103,950	101,695	98,746	50,947	50,839	50,075	50,075	48,541	48,541	4,848	4,848
901,493	901,493	901,493	901,493	901,493	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
6,429,030	6,429,030	6,424,967	6,424,967	6,424,967	5,994,848	5,961,614	5,961,614	5,839,430	5,839,430	5,826,645
3,220,099	3,220,099	3,220,099	3,220,099	3,220,099	3,220,099	3,220,099	3,220,099	3,220,099	3,220,099	3,220,099
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
4,353,851	4,182,174	4,182,174	4,142,538	3,581,795	2,225,182	2,217,083	603,928	603,928	603,928	460,858
76,511,169	75,263,435	75,233,381	73,754,234	69,615,952	55,225,165	51,669,962	34,913,249	34,733,893	34,539,329	27,693,650

Final 2015 Annual Verified Results - Annual Persistence Report

For: PowerStream Inc.

#	Program	2015	2016	2017	2018	2019	2020	2021	2022	2023
Legacy Framework										
1	Coupon Initiative	69	69	69	69	69	69	69	69	69
2	Bi-Annual Retailer Event Initiative	163	158	158	158	158	158	158	158	158
3	Appliance Retirement Initiative	23	23	23	22	14	0	0	0	0
4	HVAC Incentives Initiative	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685
5	Residential New Construction and Major Renovation Initiative	21	21	21	21	21	21	21	21	21
6	Energy Audit Initiative	187	187	187	187	0	0	0	0	0
7	Efficiency: Equipment Replacement Incentive Initiative	6,257	6,257	6,218	6,218	6,218	6,218	6,047	6,047	5,859
8	Direct Install Lighting and Water Heating Initiative	487	465	311	311	311	311	311	311	311
9	New Construction and Major Renovation Initiative	316	316	316	316	316	316	316	316	315
10	Existing Building Commissioning Incentive Initiative	0	0	0	0	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0	0	0	0	0	0	0	0	0
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	274	220	200	200	196	175	158	150	138
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0	0	0	0	0
14	Low Income Initiative	12	10	10	10	10	10	10	10	7
15	Loblaws Pilot	131	131	131	131	131	131	131	131	131
16	Social Benchmarking Pilot	0	0	0	0	0	0	0	0	0
17	Conservation Fund Pilot - SEG	0	0	0	0	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0	0	0	0	0
20	Program Enabled Savings	27	27	0	0	0	0	0	0	0
Conservation First Framework										
21	Save on Energy Coupon Program	424	420	420	420	420	420	420	420	420
22	Save on Energy Heating and Cooling Program	1,696	1,696	1,696	1,696	1,696	1,696	1,696	1,696	1,696
23	Save on Energy Home Assistance Program	0	0	0	0	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0	0	0	0	0
25	Save on Energy Retrofit Program	592	592	581	581	581	581	553	553	542
Total		12,364	12,277	12,026	12,025	11,826	11,791	11,575	11,567	11,352

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
69	56	56	56	56	56	56	22	22	22	22	0	0	0	0	0	0
158	118	102	102	102	102	102	69	69	69	69	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,495	0	0	0	0	0	0	0
21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5,299	3,809	3,726	2,621	2,603	2,603	1,866	308	308	308	308	0	0	0	0	0	0
311	306	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315	315	315	314	314	276	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	45	21	21	21	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	7	7	6	6	1	1	1	1	1	1	1	0	0	0	0	0
131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
420	370	369	369	367	367	366	101	101	101	101	0	0	0	0	0	0
1,696	1,696	1,696	1,696	1,696	1,696	1,696	1,696	1,696	1,526	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
450	229	229	110	110	110	92	71	71	71	71	0	0	0	0	0	0
10,685	8,657	8,359	7,001	6,981	6,917	5,885	3,974	3,974	3,614	593	22	21	21	0	0	0

ATTACHMENT 53
2015 ANNUAL PERSISTENCE
REPORT ENERSOURCE RZ

Final 2015 Annual Verified Results - Annual Persistence Report



#	Worksheet Name	Worksheet Description
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1	How to Use This Report	Describes the contents and structure of this report
2	Energy Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Energy Savings at the end-user level resulting from the 2015 CDM Program Year
3	Demand Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Demand Savings at the end-user level resulting from the 2015 CDM Program Year

Final 2015 Annual Verified Results - Annual Persistence Report



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Final 2015 Annual Verified Results - Annual Persistence Report

For: Enersource Hydro Mississauga Inc.

#	Program	2015	2016	2017	2018	2019
Legacy Framework						
1	Coupon Initiative	2,173,737	2,154,375	2,154,375	2,154,375	2,154,375
2	Bi-Annual Retailer Event Initiative	3,679,485	3,614,091	3,614,091	3,614,091	3,614,091
3	Appliance Retirement Initiative	60,261	60,261	60,261	60,261	37,035
4	HVAC Incentives Initiative	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003
5	Residential New Construction and Major Renovation Initiative	0	0	0	0	0
6	Energy Audit Initiative	3,573,385	3,573,385	3,573,385	3,573,385	0
7	Efficiency: Equipment Replacement Incentive Initiative	45,320,196	45,320,196	45,034,080	45,032,593	45,032,593
8	Direct Install Lighting and Water Heating Initiative	3,360,796	3,220,399	1,926,026	1,925,910	1,925,910
9	New Construction and Major Renovation Initiative	931,231	931,231	931,231	931,231	931,231
10	Existing Building Commissioning Incentive Initiative	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0	0	0	0	0
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	4,040,545	3,202,504	3,202,504	3,202,504	3,095,771
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0
14	Low Income Initiative	343,883	274,624	264,686	254,747	253,557
15	Loblaws Pilot	183,513	183,513	183,513	183,513	183,513
16	Social Benchmarking Pilot	0	0	0	0	0
17	Conservation Fund Pilot - SEG	6,899,972	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0
20	Program Enabled Savings	0	0	0	0	0
Conservation First Framework						
21	Save on Energy Coupon Program	0	0	0	0	0
22	Save on Energy Heating and Cooling Program	0	0	0	0	0
23	Save on Energy Home Assistance Program	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0
25	Save on Energy Retrofit Program	0	0	0	0	0
Total		73,151,007	65,118,582	63,528,155	63,516,613	59,812,079

Final 2015 Annual Verified Results - Annual Persistence Report

For: Enersource Hydro Mississauga Inc.

#	Program	2015	2016	2017	2018	2019	2020	2021	2022	2023
Legacy Framework										
1	Coupon Initiative	141	140	140	140	140	140	140	140	140
2	Bi-Annual Retailer Event Initiative	248	244	244	244	244	244	244	244	244
3	Appliance Retirement Initiative	9	9	9	9	5	0	0	0	0
4	HVAC Incentives Initiative	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355
5	Residential New Construction and Major Renovation Initiative	0	0	0	0	0	0	0	0	0
6	Energy Audit Initiative	762	762	762	762	0	0	0	0	0
7	Efficiency: Equipment Replacement Incentive Initiative	6,865	6,865	6,775	6,775	6,775	6,715	6,396	6,396	6,101
8	Direct Install Lighting and Water Heating Initiative	810	778	441	441	441	441	441	441	441
9	New Construction and Major Renovation Initiative	305	305	305	305	305	305	305	305	305
10	Existing Building Commissioning Incentive Initiative	0	0	0	0	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0	0	0	0	0	0	0	0	0
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	1,232	1,146	1,146	1,146	1,127	1,127	1,107	1,089	1,089
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0	0	0	0	0
14	Low Income Initiative	30	26	26	25	25	25	25	25	19
15	Loblaws Pilot	14	14	14	14	14	14	14	14	14
16	Social Benchmarking Pilot	0	0	0	0	0	0	0	0	0
17	Conservation Fund Pilot - SEG	499	0	0	0	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0	0	0	0	0
20	Program Enabled Savings	0	0	0	0	0	0	0	0	0
Conservation First Framework										
21	Save on Energy Coupon Program	0	0	0	0	0	0	0	0	0
22	Save on Energy Heating and Cooling Program	0	0	0	0	0	0	0	0	0
23	Save on Energy Home Assistance Program	0	0	0	0	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0	0	0	0	0
25	Save on Energy Retrofit Program	0	0	0	0	0	0	0	0	0
Total		12,270	11,644	11,217	11,216	10,431	10,366	10,027	10,009	9,708

**ATTACHMENT 54
2015 ANNUAL PERSISTENCE
REPORT GUELPH RZ**

Final 2015 Annual Verified Results - Annual Persistence Report



#	Worksheet Name	Worksheet Description
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1	How to Use This Report	Describes the contents and structure of this report
2	Energy Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Energy Savings at the end-user level resulting from the 2015 CDM Program Year
3	Demand Savings	Provides a description of the 2015 - 2040 annual persistence of Net Verified Demand Savings at the end-user level resulting from the 2015 CDM Program Year

Final 2015 Annual Verified Results - Annual Persistence Report



The IESO is pleased to provide the Final 2015 Annual Verified Results - Annual Persistence Report.

This report is based on the same data used to provide the Final 2015 Annual Verified Results Report to LDCs on June 30, 2016. The data included in this report is provided on a more granular level, providing annual savings amounts for the 2015 - 2040 period resulting from the 2015 CDM Program Year to aid LDCs in analysis such as supporting Lost Revenue Adjustment Mechanism (LRAM) calculations.

The data provided is the same final 2015 net verified, end-user level savings amounts for both energy savings and demand savings for the specific LDC service areas only, no province-wide data is included in this report. The program list has been condensed to show only those programs that had achieved savings in the province, not necessarily in every LDC's service area. Initiatives, programs, pilots that were in market in 2015 and adjustments to specific years that may be populated in future years are not displayed for ease of use.

The list of initiatives, programs and pilots is shown on the left and each year's remaining savings is shown across the columns. Savings may deteriorate by year as a result of the mix of measures actually installed may have some measures with shorter expected useful lives (EULs) than others and some measures may have a baseline shift occur during their EULs.

This type of data will be incorporated on an annual basis in each future year's Annual Verified Results Reports rather than provided separately for 2015. We hope you will find this report useful.

Final 2015 Annual Verified Results - Annual Persistence Report

For: Guelph Hydro Electric Systems Inc.

#	Program	2015	2016	2017	2018	2019	2020
Legacy Framework							
1	Coupon Initiative	223,005	220,890	220,890	220,890	220,890	220,890
2	Bi-Annual Retailer Event Initiative	327,422	316,563	316,563	316,563	316,563	316,563
3	Appliance Retirement Initiative	46,864	46,864	46,864	46,656	26,046	0
4	HVAC Incentives Initiative	515,733	515,733	515,733	515,733	515,733	515,733
5	Residential New Construction and Major Renovation Initiative	0	0	0	0	0	0
6	Energy Audit Initiative	142,541	142,541	142,541	142,541	0	0
7	Efficiency: Equipment Replacement Incentive Initiative	14,020,784	14,020,784	13,976,235	13,976,235	13,976,235	13,976,235
8	Direct Install Lighting and Water Heating Initiative	102,095	97,357	57,881	57,881	57,881	57,881
9	New Construction and Major Renovation Initiative	0	0	0	0	0	0
10	Existing Building Commissioning Incentive Initiative	0	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	17,239	17,239	17,239	17,239	17,239	17,239
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0	0
14	Low Income Initiative	526,869	414,753	393,471	372,886	372,886	372,886
15	Loblaws Pilot	0	0	0	0	0	0
16	Social Benchmarking Pilot	0	0	0	0	0	0
17	Conservation Fund Pilot - SEG	0	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0	0
20	Program Enabled Savings	0	0	0	0	0	0
Conservation First Framework							
21	Save on Energy Coupon Program	734,476	728,461	728,461	728,461	728,461	728,461
22	Save on Energy Heating and Cooling Program	240,796	240,796	240,796	240,796	240,796	240,796
23	Save on Energy Home Assistance Program	0	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0	0
25	Save on Energy Retrofit Program	0	0	0	0	0	0
Total		59,045,688	58,909,845	58,804,538	58,783,745	58,620,594	58,594,548



2021	2022	2023	2024	2025	2026	2027	2028	2029
220,890	220,841	220,841	220,841	200,852	199,813	199,813	199,290	199,290
316,563	316,552	316,552	316,552	280,141	243,611	243,611	243,548	243,548
0	0	0	0	0	0	0	0	0
515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
13,571,889	13,571,889	13,180,751	11,739,120	7,354,273	6,492,122	5,132,329	5,086,429	5,086,429
57,881	57,881	57,881	57,881	56,142	23,701	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864
17,239	17,239	17,239	17,239	0	0	0	0	0
0	0	0	0	0	0	0	0	0
372,886	372,886	205,499	204,696	199,041	190,416	189,415	189,415	12,992
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
728,461	727,998	727,998	727,998	686,316	683,755	683,755	667,616	667,616
240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
58,190,202	58,189,679	57,631,154	56,188,720	51,681,158	50,737,811	49,353,316	49,290,691	49,114,268



2030	2031	2032	2033	2034
199,207	80,605	80,605	80,605	80,605
243,540	155,519	155,519	155,519	155,519
0	0	0	0	0
515,733	515,733	515,733	489,315	0
0	0	0	0	0
0	0	0	0	0
3,540,659	174,509	174,509	174,509	174,509
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
42,147,864	42,147,864	42,147,864	42,147,864	42,147,864
0	0	0	0	0
0	0	0	0	0
9,466	9,466	9,466	9,466	9,466
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
665,908	178,775	178,775	178,775	178,775
240,796	240,796	240,796	234,665	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
47,563,173	43,503,267	43,503,267	43,470,718	42,746,738

Final 2015 Annual Verified Results - Annual Persistence Report

For: Guelph Hydro Electric Systems Inc.

#	Program	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Legacy Framework											
1	Coupon Initiative	14	14	14	14	14	14	14	14	14	14
2	Bi-Annual Retailer Event Initiative	24	24	24	24	24	24	24	24	24	24
3	Appliance Retirement Initiative	7	7	7	7	4	0	0	0	0	0
4	HVAC Incentives Initiative	273	273	273	273	273	273	273	273	273	273
5	Residential New Construction and Major Renovation Initiative	0	0	0	0	0	0	0	0	0	0
6	Energy Audit Initiative	30	30	30	30	0	0	0	0	0	0
7	Efficiency: Equipment Replacement Incentive Initiative	6,992	6,992	6,978	6,978	6,978	6,978	6,895	6,895	6,849	6,580
8	Direct Install Lighting and Water Heating Initiative	23	22	13	13	13	13	13	13	13	13
9	New Construction and Major Renovation Initiative	0	0	0	0	0	0	0	0	0	0
10	Existing Building Commissioning Incentive Initiative	0	0	0	0	0	0	0	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	5	5	5	5	5	5	5	5	5	5
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0	0	0	0	0	0
14	Low Income Initiative	43	37	36	35	35	35	35	35	26	25
15	Loblaws Pilot	0	0	0	0	0	0	0	0	0	0
16	Social Benchmarking Pilot	0	0	0	0	0	0	0	0	0	0
17	Conservation Fund Pilot - SEG	0	0	0	0	0	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0	0	0	0	0	0
20	Program Enabled Savings	0	0	0	0	0	0	0	0	0	0
Conservation First Framework											
21	Save on Energy Coupon Program	47	46	46	46	46	46	46	46	46	46
22	Save on Energy Heating and Cooling Program	124	124	124	124	124	124	124	124	124	124
23	Save on Energy Home Assistance Program	0	0	0	0	0	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0	0	0	0	0	0
25	Save on Energy Retrofit Program	0	0	0	0	0	0	0	0	0	0
Total		12,393	12,385	12,361	12,360	12,327	12,323	12,240	12,240	12,185	11,915



2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
13	13	13	13	13	13	5	5	5	5
18	15	15	15	15	15	10	10	10	10
0	0	0	0	0	0	0	0	0	0
273	273	273	273	273	273	273	273	243	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
5,867	5,817	5,616	5,602	5,602	3,871	63	63	63	63
13	6	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
25	25	24	24	2	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
42	42	42	42	42	42	11	11	11	11
124	124	124	124	124	124	124	124	117	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
11,186	11,126	10,918	10,904	10,882	9,150	5,298	5,298	5,261	4,901

**ATTACHMENT 55
FINAL VERIFIED 2017 CDM
PROGRAM RESULTS REPORT
ALECTRA**

2017 Final Verified Annual LDC CDM Program Results Report

Letter from the Vice-President, Policy, Engagement & Innovation

June 29, 2018

To: Ontario's Local Distribution Companies

At the mid-way point of the Conservation First Framework (CFF) Ontario's Local Distribution Companies (LDCs) along with the IESO have shown significant progress towards the 2020 CFF 7.0 TWh target. The province has achieved 1.8 TWh of persisting energy savings in 2017, the highest performing year on record. Approximately 20% (\$364M) of the allocated \$1.835B CFF LDC Conservation Demand Management (CDM) budget was accounted for in 2017. From 2015, LDCs have achieved 4.8 TWh of energy savings, representing 69% of the CFF 7.0 TWh target. The savings realized to date demonstrate the significant efforts made by LDCs and the IESO in delivering and promoting conservation programs across the province.

Key highlights from the 2017 results include:

- The share of residential portfolio savings increased for the third consecutive year, accounting for 46% of 2017 results, while the business portfolio program contributed to 45%, and local/pilot/centrally delivered programs accounting for 9% of 2017 savings.
- The Coupon & Instant Discount residential retail program produced a record achievement of 740 GWh of persisting energy savings, increasing by over 53% of the results from 2016. LED light bulbs remained the most common measure accounting 91% of savings.
- The Retrofit program achieved 663 GWh of persisting energy savings in 2017, which represents a small reduction in savings despite completing approximately half the number projects compared to 2016 results (including adjustments). Lighting continues to represent the majority of results, representing 79% of savings in 2017.
- The Process and Systems Upgrades Program achieved 15 GWh in 2017, but also verified an additional 65 GWh in 2016 completed projects and 11 GWh in 2015 completed projects as part of this year's evaluation. Behind-the-meter generation projects account for 82% of program savings-to-date.
 - o The data lag associated with unreported (yet completed) 2017 projects for the Retrofit and Process and Systems Upgrade programs remain an ongoing challenge. Together with the Heating & Cooling program, these programs have approximately 723 GWh in unverified savings yet to be reported by LDCs for which is anticipated to be reported a future verified annual results reports as 2017 adjustments.

Minor revisions were made to the final 2017 results relative to the preliminary 2017 results issued to LDCs on June 1, 2018. Details on the revisions between the 2017 preliminary and final verified results can be found in the 2017 Frequently Asked Questions (FAQs) along with key 2017 evaluation findings and province-wide and local program cost effectiveness test results posted alongside LDC results.

Consistent with prior year evaluation cycles, all 2017 final verified annual results reports will be posted on the IESO website in early July. LDC-specific cost effectiveness test results (program- and portfolio-level) will be available by September 15, 2017. Finally, 2017 EM&V reports will be available later this summer along with key program recommendations to be shared with the Joint Program Operations Committee (JPOC) and associated committees.

I look forward to the continued collaboration with LDCs and stakeholders building off lessons learned and implementing feedback from the mid-term review process to enhance current programs and future efforts.

Sincerely,

Terry Young
Vice-President, Policy, Engagement & Innovation
Independent Electricity System Operator

2017 Final Verified 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	<p>A high level summary of the Final 2017 Annual Verified Results Report, including:</p> <ol style="list-style-type: none"> 1) progress toward the LDC's: <ol style="list-style-type: none"> a) Allocated 2020 Annual 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: <ol style="list-style-type: none"> a) contribution to 2020 Target Achievement by program; b) 2017 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; and e) your LDC CDM Plan Budget Spending 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	<p>A comprehensive report of 2017 conservation results including:</p> <ol style="list-style-type: none"> 1) activity; 2) savings including: <ol style="list-style-type: none"> a) energy and peak demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target achievement; and 3) spending, including participant incentives and administrative expenses and IESO Value Added Services Costs. <p>Data is grouped by category and summarized at the LDC level.</p>
5	Province-Wide Progress	<p>A comprehensive report of 2016 conservation results including:</p> <ol style="list-style-type: none"> 1) activity; 2) savings including: <ol style="list-style-type: none"> a) energy and peak demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target achievement; and 3) spending, including participant incentives and administrative expenses and IESO Value Added Services Costs. <p>Data is grouped by category and summarized at the province wide level.</p>
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, 2016, 2016 Adjustment and 2017) at the LDC Level.
7	Province-Wide Savings Persistence	A report detailing the gross and net energy and peak demand savings persistence by program and implementation year (2015, 2015 Adjustment, 2016, 2016 Adjustment and 2017) 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.

2017 Final Verified Annual LDC CDM Program Results Report

How to Use this Report

The IESO is pleased to provide you with the 2017 Final Verified Annual LDC CDM Program 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 2017, 2016 including adjustments, and 2015 including 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.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
AE	AI	BG	BE	CF	CE	DE	DI	EE	EF	EG	FF	FG	GG	GH	GI	HJ	HK	IL	IM	JN	JO	KP	KQ	LR	LS	MT	MU	NV	NW	NX	NZ	DA												
Participant Group	Incremental 2020 Annual Energy Savings	Net 2020 Annual Energy Savings	Incremental First Year Energy Savings	Net First Year Energy Savings	Incremental First Year Peak Demand Savings	Net First Year Peak Demand Savings	Net Net Adjustment Energy	Net Net Adjustment Peak Demand	Incremental Rate Energy	Net Net Rate Energy	Incremental Rate Peak Demand	Net Net Rate Peak Demand	Incremental First Year Energy Savings	Net First Year Energy Savings	Incremental First Year Peak Demand Savings	Net First Year Peak Demand Savings	Participant Incentive Spending	LDC Administrative Expense Spending	IESO Value Added Services Provider Cost / Variable Program Cost Administrative Expense Spending	Total Administrative Expense Spending	Total 2020 Off LDC CDM Plan Budget Spending	Spending Group																						
Progress Report																																												
For: Province Wide																																												
Programs																																												
2015-2020 Conservation Plan Framework Programs																																												
Residential Province-Wide Programs																																												
1. Save on Energy Coupon Program																																												
2. Save on Energy Efficient Lighting Program																																												
3. Save on Energy Heating & Cooling Program																																												
4. Save on Energy New Construction Program																																												
5. Save on Energy Home Maintenance Program																																												
Subtotal: Residential Province-Wide Programs																																												
Business Province-Wide Programs																																												
6. Save on Energy Audit Funding Program																																												
7. Save on Energy Retrofit Program																																												
8. Save on Energy Small Business Lighting Program																																												
9. Save on Energy High Performance New Construction Program																																												
10. Save on Energy Existing Building Commissioning Program																																												
11. Save on Energy Business Refrigeration Incentive Program																																												
12. Save on Energy Process & Systems Upgrades Program																																												
13. Save on Energy Energy Manager Program																																												
14. Save on Energy Monitoring & Targeting Program																																												
15. Save on Energy Retrofit Program - P&P																																												
16. Save on Energy Process & Systems Upgrades Program - P&P																																												
Subtotal: Business Province-Wide Programs																																												
Local & Regional Programs																																												
17. Alternative Therapeutics Local Program																																												
18. Business Refrigeration Incentive Local Program																																												
19. Conservation on the Coast Home Appearance Local Program																																												
20. Conservation on the Coast Small Business Lighting Local Program																																												
21. First National Greenwash Local Program																																												
22. High Efficiency Agricultural Pumping Local Program																																												
23. Incentive Savings Local Program																																												
24. Operator Local Program																																												
25. Fuel-Saver Local Program																																												
26. FuelPay Local Program																																												
27. Off-peak Local Program																																												
28. Social Benchmarking Local Program																																												
Subtotal: Local & Regional Programs																																												
LDC Innovation Fund Pilot Programs																																												
29. Air Source Heat Pump - For Residential Space Heating LDC Inno																																												
30. Air Source Heat Pump - For Residential Space Heating LDC Inno																																												

Please note:

- 1) Cost Effectiveness Test (CET) results at the: a) province-wide / program level is available and posted separately on LDC Extranet; b) LDC / program level will be available on the LDC Extranet by September 15, 2018; 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 December 31, 2017 (from the i) Program Design; ii) Budget Inputs; and iii) Savings Results worksheets);
- 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 December 31, 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) 2017 Verified Adjustments to prior years consists of projects completed in the associated year but were not reported to the IESO by previous year's reporting deadlines (March 31, 2016 and April 15, 2017);
- 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;

2017 Final Verified Annual LDC CDM Program Results Report Summary

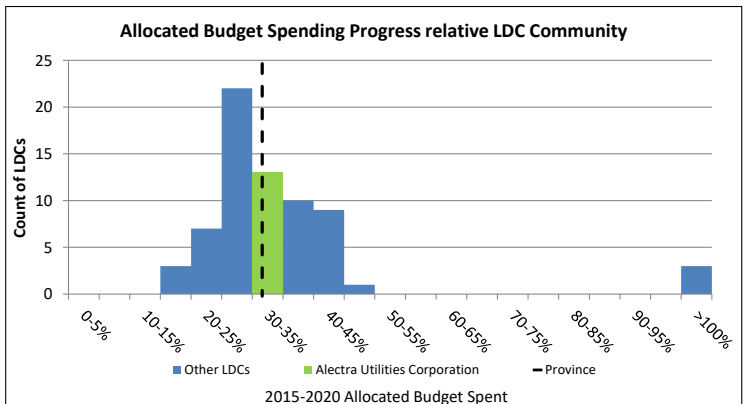
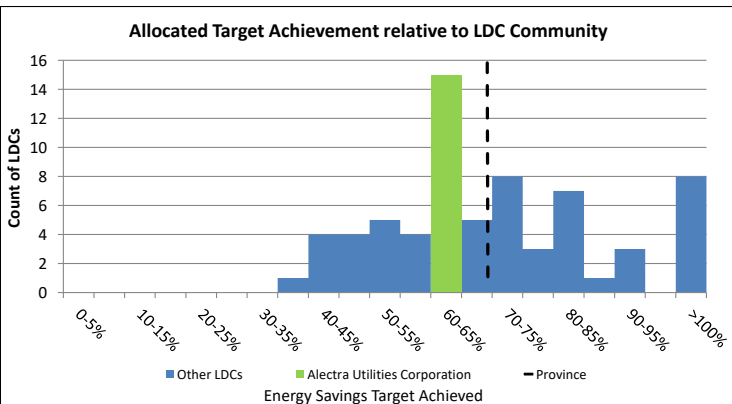
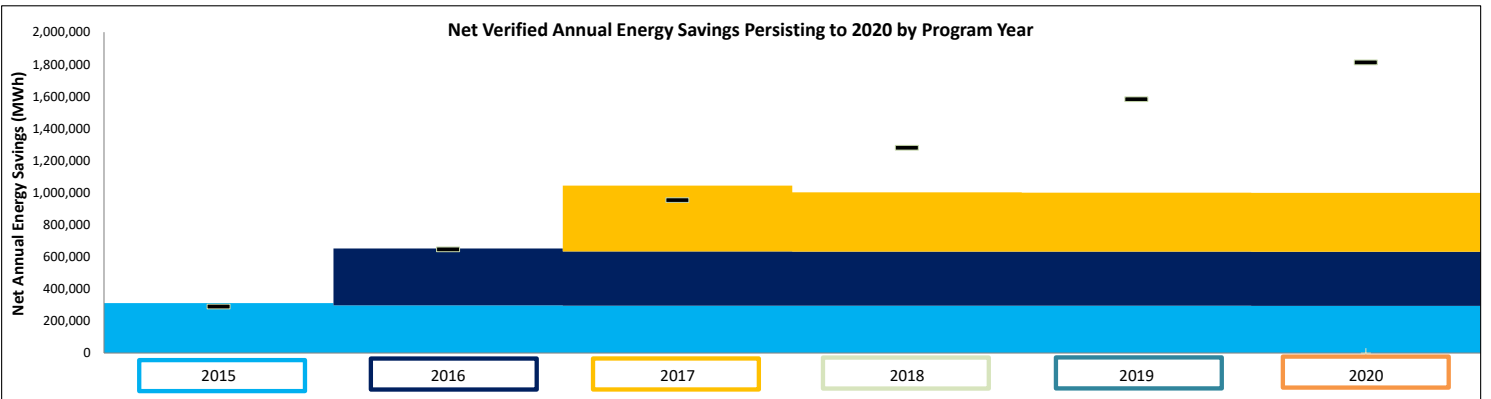
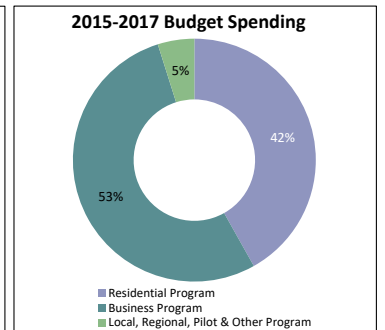
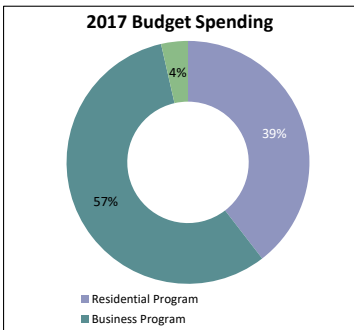
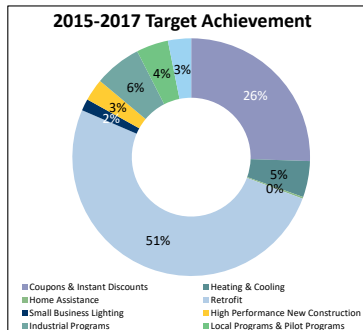
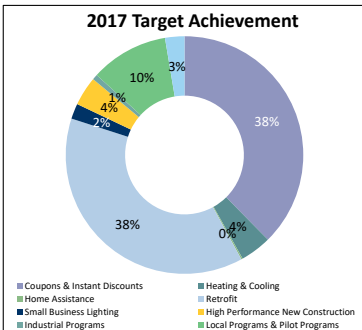
For: Alectra Utilities Corporation

Results

#	Metric	2015 Verified Results	2016 Verified Results	2017 Verified Results	2015-2017 Verified Results	Allocated Target / Budget	2015-2017 Progress versus Allocated Target / Budget	2015-2020 LDC CDM Plan Forecast	2015-2017 Progress versus 2015-2020 LDC CDM Plan Forecast	2017 LDC CDM Plan Forecast	2017 Progress versus 2017 LDC CDM Plan Forecast	2015-2017 LDC CDM Plan Forecast	2015-2017 Progress versus 2015-2017 LDC CDM Plan Forecast
1	Net Verified Annual Energy Savings Persisting to 2020	294,068 MWh	337,369 MWh	366,739 MWh	998,176 MWh	1,604,550 MWh	62 %	1,812,764 MWh	55 %	307,480 MWh	119 %	954,521 MWh	105 %
2	LDC Ranking - Net Verified Annual Energy Savings Persisting to 2020	2	2	2	1	1	44	1	52	1	47	1	56
3	Total Spending (\$)	\$ 8,397,550	\$ 41,920,316	\$ 79,153,678	\$ 129,471,544	\$ 414,824,478	31 %	\$ 412,907,157	31 %	\$ 89,938,374	88 %	\$ 186,362,886	69 %
4	LDC Ranking - Total Spending (\$)	1	3	1	1	1	30	1	31	1	43	1	53

Annual FCR Progress

#	Metric	2015 Program Year	2016 Program Year	2017 Program Year	Total 2015-2017 Framework-to-Date
1	Net Verified 2020 Annual Energy Savings from Full Cost Recovery Programs	43,146 MWh	251,147 MWh	344,759 MWh	639,052 MWh
2	CDM Plan Forecast Net 2020 Annual Energy Savings from Full Cost Recovery Programs	47,500 MWh	234,153 MWh	131,933 MWh	413,586 MWh
		(2015 Annual Milestone from FCR Programs)	(2016 Annual Milestone from FCR Programs)	(2017 Annual Milestone from FCR Programs)	(Cumulative FCR Milestone)
	FCR Progress				154.5 %



2017 Final Verified Annual LDC CDM Program Results Report

LDC Rankings

#	LDC	Net Verified Annual Energy Savings Persisting to 2020																							
		2015 Verified 2015 Savings		2016 Verified 2016 Adjustment Savings		2017 Verified 2017 Adjustment Savings		Total Verified 2015 Savings		2016 Verified 2016 Savings		2017 Verified 2017 Adjustment Savings		Total Verified 2016 Savings		2017 Verified 2017 Savings		Total Verified 2015-2017 Savings		Allocated Savings Target		2017 Progress Savings versus Allocated Savings Target		2015-2017 Progress Savings versus Allocated Savings Target	
		Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (%)	LDC Ranking (#)
1	Alectra Utilities Corporation	236,507,877	1	49,683,641	4	7,876,715	4	294,068,233	2	270,546,686	1	66,822,298	2	337,368,984	2	366,739,097	2	998,176,314	1	1,604,550,000	1	23	49	62	44
2	Algoma Power Inc.	1,031,011	54	25,818	58	20,451	43	1,077,279	55	1,285,402	40	142,557	54	1,427,959	52	2,232,142	47	4,737,380	52	7,510,000	51	30	14	63	39
3	Atikokan Hydro Inc.	109,769	64	2,444	66	2,898	50	115,111	64	189,357	65	26,791	65	216,148	64	369,238	63	700,497	64	1,140,000	64	32	6	61	47
4	Attawapiskat Power Corporation	35,822	67	2,343	67	0	59	38,165	67	0	66	151,932	52	151,932	67	81,504	67	271,601	67	510,000	67	16	62	53	57
5	Bluemford Power Distribution Corporation	7,755,327	18	268,687	42	104,044	29	8,128,057	27	5,570,598	25	3,159,895	15	8,730,493	24	9,473,952	24	26,332,502	24	62,370,000	16	15	64	42	65
6	Brantford Power Inc.	7,457,011	19	1,458,523	21	394,168	19	9,309,702	23	10,499,455	16	1,578,380	27	12,077,835	18	15,051,712	17	36,439,249	18	54,320,000	19	28	21	67	33
7	Burlington Hydro Inc.	12,632,309	15	1,975,945	18	56,494	36	14,664,748	18	11,531,861	12	8,290,897	7	19,822,758	10	27,467,720	9	61,955,226	13	99,040,000	10	28	20	63	41
8	Canadian Niagara Power Inc.	3,502,396	34	5,579,808	8	7,296	45	9,089,500	24	5,553,280	26	2,368,147	18	7,921,427	26	6,976,358	32	23,987,285	27	28,480,000	29	24	39	84	13
9	Centre Wellington Hydro Ltd.	1,581,029	50	109,971	50	-8,233	63	1,682,766	50	1,548,975	47	275,615	47	1,824,590	47	2,651,910	45	6,159,267	48	8,730,000	47	30	12	71	30
10	Chapleau Public Utilities Corporation	275,333	61	3,485	64	106	53	278,924	61	191,711	64	20,153	67	211,864	65	208,141	65	698,929	65	1,050,000	65	20	54	67	34
11	COLLUS PowerStream Corp.	1,637,947	48	385,929	36	-65,914	68	1,957,962	49	2,194,349	41	334,254	45	2,528,603	41	7,144,137	31	11,630,702	36	16,860,000	36	42	3	69	32
12	Cooperative Hydro Embrun Inc.	120,443	63	19,234	59	-776	58	138,901	63	730,806	54	37,973	62	768,779	55	473,278	62	1,380,958	62	1,790,000	62	26	31	77	21
13	E.L.K. Energy Inc.	1,662,553	46	583,829	32	-6,311	62	2,240,051	44	1,963,393	45	170,870	50	2,134,263	46	2,282,262	46	6,656,576	47	16,200,000	38	14	67	41	66
14	Energy+ Inc.	17,245,241	10	60,025,983	3	2,174,426	9	79,445,650	4	14,252,795	9	3,201,967	14	17,454,762	12	30,417,739	8	127,318,151	5	100,950,000	9	30	13	126	4
15	Entegrus Powerlines Inc.	38,558,192	6	3,536,019	9	46,251	39	42,140,462	7	14,186,934	10	2,296,797	20	16,483,731	13	15,073,023	16	73,697,216	11	56,830,000	18	27	29	130	2
16	EnWin Utilities Ltd.	14,809,440	12	2,675,379	13	1,566,699	12	19,051,518	13	29,365,888	6	5,610,271	9	34,976,159	6	26,944,422	12	80,972,099	10	151,300,000	7	18	58	54	56
17	Erie Thames Powerlines Corporation	5,180,177	24	922,335	28	2,325,032	8	8,427,543	26	2,555,215	37	1,613,310	26	4,168,516	35	7,616,612	28	20,212,671	30	27,630,000	30	28	22	73	27
18	Espanola Regional Hydro Distribution Corporation	502,006	58	14,537	60	-1,644	60	514,899	59	339,978	62	33,488	63	373,466	62	1,047,355	56	1,935,720	60	2,410,000	61	43	2	80	19
19	Essex Powerlines Corporation	3,819,710	33	1,720,380	20	10,710,254	1	16,250,344	15	7,059,017	23	3,038,974	16	10,097,991	23	7,311,455	30	33,659,790	20	31,430,000	27	23	46	107	6
20	Festval Hydro Inc.	4,822,853	27	2,088,958	17	1,835,063	10	8,746,874	25	9,417,074	18	2,170,205	22	11,587,279	20	8,535,424	25	28,869,577	23	34,650,000	25	25	38	83	15
21	Fort Albany Power Corporation	29,906	68	1,956	68	0	54	31,862	68	0	66	120,880	56	120,880	68	90,196	66	242,938	68	340,000	68	27	28	71	29
22	Fort Frances Power Corporation	254,688	62	11,215	61	356	52	266,259	62	553,935	57	56,523	60	610,458	58	1,091,188	54	1,967,905	59	4,000,000	58	27	25	49	60
23	Greater Sudbury Hydro Inc.	6,959,582	20	3,147,790	11	81,244	32	10,182,616	21	9,312,088	19	2,555,155	31	10,562,243	22	10,590,038	21	31,334,897	22	34,740,000	24	30	11	90	11
24	Grimsbay Power Incorporated	2,804,724	37	319,119	38	46,384	38	3,170,227	37	2,159,053	42	605,127	36	2,764,180	38	2,122,570	48	8,056,977	42	10,850,000	45	20	55	74	24
25	Gulph Hydro Electric Systems Inc.	58,594,547	4	2,215,864	16	1,328,823	14	62,139,234	6	8,394,053	21	4,672,631	11	13,066,684	17	27,027,155	11	102,233,072	7	99,040,000	10	27	24	103	8
26	Halton Hills Hydro Inc.	5,500,566	22	212,955	46	95,775	31	5,809,296	29	4,755,591	29	1,505,241	28	6,260,832	28	7,513,017	29	19,583,145	31	30,940,000	28	24	41	63	38
27	Hearst Power Distribution Company Limited	1,510,384	51	985,005	27	78,100	33	2,573,490	40	2,417,972	39	106,213	68	2,311,759	44	652,226	61	5,537,474	50	3,180,000	60	21	53	174	1
28	Hydro 2000 Inc.	80,683	65	3,633	63	721	51	85,037	65	257,570	63	26,581	66	284,331	63	343,324	64	712,692	63	1,360,000	63	25	37	52	59
29	Hydro Hawkesbury Inc.	1,162,440	53	26,255	57	26,838	42	1,215,533	54	1,339,759	48	144,888	53	1,484,647	51	2,069,510	49	4,769,690	51	7,920,000	50	26	33	60	50
30	Hydro One Networks Inc.	220,487,100	2	89,902,682	1	5,797,134	5	316,186,916	1	208,374,078	1	53,798,601	3	262,172,679	3	408,305,696	1	986,665,291	2	1,220,690,000	3	33	5	81	18
31	Hydro Ottawa Limited	57,247,836	5	15,553,929	5	4,963,240	6	77,765,005	5	59,247,505	4	30,703,383	4	89,950,888	4	108,371,101	4	276,086,993	4	394,540,000	4	27	23	70	31
32	InnPower Corporation	1,850,172	44	132,220	49	-20,275	65	1,962,117	48	2,561,285	36	1,912,295	24	4,474,210	32	3,129,955	43	9,566,282	41	13,010,000	41	24	43	74	25
33	Kashechewan Power Corporation	40,200	66	2,629	65	0	54	42,829	66	0	66	159,333	51	159,333	66	76,438	68	278,600	66	520,000	66	15	65	54	55
34	Kenora Hydro Electric Corporation Ltd.	1,606,080	49	65,793	53	6,323	46	1,678,196	51	552,901	58	138,524	55	691,425	56	924,570	57	3,294,191	55	5,270,000	54	18	60	63	42
35	Kingston Hydro Corporation	4,445,966	29	1,046,947	25	-41,123	67	5,451,790	32	2,580,410	35	1,656,278	25	4,236,688	34	9,588,664	23	19,277,143	32	34,500,000	26	28	18	56	53
36	Kitchener-Willmot Hydro Inc.	21,865,242	8	2,654,908	14	1,471,693	13	25,991,843	9	14,184,542	11	8,210,790	8	22,395,332	7	39,768,619	6	88,155,794	8	105,710,000	8	38	4	83	14
37	Lakefront Utilities Inc.	2,239,136	41	280,605	41	-1,409	59	2,518,332	42	1,185,986	50	573,942	39	1,759,928	48	3,139,762	42	7,418,022	43	12,170,000	42	26	34	61	49
38	Lakeland Power Distribution Ltd.	4,432,710	30	708,780	30	264,688	20	5,406,177	33	2,495,021	38	204,036	49	2,699,057	40	3,643,045	38	11,748,279	35	15,770,000	39	23	48	74	23
39	Land Hydro Inc.	28,534,591	7	3,454,236	10	1,673,470	11	33,662,297	8	31,824,871	5	11,767,982	6	43,592,853	5	47,337,598	5	124,592,748	6	196,660,000	5	24	42	63	37
40	Midland Power Utility Corporation	2,860,953	36	301,878	40	256,922	21	3,419,753	36	2,402,265	40	115,201	57	2,517,466	42	6,072,219	33	12,009,438	34	10,830,000	46	56	1	111	5
41	Milton Hydro Distribution Inc.	9,889,501	16	476,099	34	2,546,769	7	12,912,370	20	6,501,088	24	1,353,829	30	7,854,917	27	14,395,282	18	35,162,569	19	45,360,000	21	32	7	78	20
42	Newmarket-Tay Power Distribution Ltd.	8,218,024	17	840,996	29	709,531	16	9,768,551	22	4,962,518	28	410,328	42	5,372,846	29	8,179,406	27	23,320,803	29	36,240,000	23	23	50	64	36
43	Niagara Peninsula Energy Inc.	12,742,252	14	1,752,111	19	426,660	18	14,921,023	17	10,838,434	14	2,329,562	19	13,167,996	16	15,663,963	15	43,752,981	17	74,440,000	14	21	52	59	51
44	Niagara-on-the-Lake Hydro Inc.	2,598,018	39	369,192	37	96,276	30	3,063,486	38	3,401,852	33	586,267	38	3,988,119	36	3,445,058	40	10,496,663	38	11,680,000	43	29	16	90	12
45	North Bay Hydro Distribution Limited	4,245,690	32	12,427,153	7	-12,739	64	16,660,103	14	4,001,370	31	536,340	40	4,537,710	31	4,952,277	35	26,150,090	25	20,260,000	34	24	40	129	3
46	Northern Ontario Wires Inc.	509,731	57	38,057	54	173,815	24	721,603	57	907,761	53	786,827	33	1,694,588	49	1,159,432	52	3,575,623	54	4,310,000	56	27	27	83	16
47	Oakville Hydro Electricity Distribution Inc.	21,252,248	9	2,499,447	15	177,319	23	23,929,014																	

2015-2020 LDC CDM Plan Savings Forecast		2017 Progress versus 2015-2020 LDC CDM Plan Savings Forecast		2015-2017 Progress versus 2015-2020 LDC CDM Plan Savings Forecast		2017 LDC CDM Plan Savings Forecast		2017 Progress versus 2017 LDC CDM Plan Savings Forecast		2015-2017 LDC CDM Plan Savings Forecast		2015-2017 Progress versus 2015-2017 LDC CDM Plan Savings Forecast	
Value (kWh)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (%)	LDC Ranking (#)
1,812,764,173	1	20	47	55	52	307,480,120	1	119	47	954,521,164	1	105	56
11,809,134	44	19	50	40	67	1,438,618	48	155	25	3,363,519	50	141	20
1,139,736	65	32	7	61	42	284,658	63	130	38	523,606	64	134	24
556,816	66	15	64	49	59	85,726	67	95	56	295,070	67	92	63
62,370,000	17	15	62	42	64	8,620,634	19	110	52	23,460,544	24	112	51
54,880,608	20	27	20	66	32	10,927,959	15	138	31	28,688,810	17	127	31
99,040,000	10	28	18	63	39	18,513,596	12	148	27	46,810,503	13	132	26
24,194,712	33	29	13	99	5	4,095,930	32	170	17	15,083,221	32	159	12
8,730,766	47	30	10	71	28	3,001,875	36	88	61	5,612,228	44	110	54
1,151,954	64	18	52	61	44	193,881	64	107	53	568,319	63	123	40
17,119,142	36	42	3	68	30	3,143,620	35	227	8	9,944,639	36	117	45
1,789,996	62	26	26	77	19	297,783	62	159	24	1,087,283	62	127	32
16,200,009	38	14	66	41	65	1,950,353	41	117	48	5,294,907	45	126	34
173,121,066	6	18	53	74	24	18,899,002	11	161	22	109,978,691	5	116	49
94,307,344	13	16	60	78	17	11,953,789	14	126	41	67,764,761	9	109	55
154,881,896	7	17	56	52	56	39,325,965	5	69	67	78,738,795	7	103	58
36,494,810	26	21	45	55	51	8,092,628	20	94	57	16,797,747	30	120	41
2,528,596	61	41	4	77	20	637,971	61	164	19	1,494,440	61	130	27
49,907,838	21	15	63	67	31	6,519,466	27	112	50	24,455,222	23	138	23
34,711,497	28	25	32	83	10	12,484,139	13	68	68	21,643,814	26	133	25
373,387	68	24	34	65	34	79,395	68	114	49	276,630	68	88	67
4,000,383	59	27	22	49	58	1,083,321	51	101	54	1,692,936	60	116	47
37,762,673	24	28	15	83	12	6,021,807	29	176	15	25,435,268	19	123	39
10,874,438	45	20	48	74	22	1,764,288	42	120	46	5,666,540	43	142	19
99,031,945	11	27	21	103	4	6,923,256	24	390	2	72,969,005	8	140	21
30,940,000	29	24	33	63	37	4,637,543	30	162	21	15,528,974	31	126	33
5,182,656	54	13	68	107	3	869,543	55	75	66	3,349,929	51	165	7
1,360,002	63	25	31	52	55	152,649	65	225	10	402,725	65	177	5
7,919,998	50	26	27	60	45	1,657,274	46	125	43	3,853,684	48	124	38
1,220,185,369	3	33	6	81	16	180,673,089	3	226	9	638,084,356	3	155	14
394,586,356	4	27	19	70	29	80,473,174	4	135	35	213,663,755	4	129	28
13,009,980	41	24	35	74	25	2,103,187	39	149	26	5,975,204	40	160	11
438,286	67	17	55	64	36	89,117	66	86	63	298,461	66	93	62
5,270,258	53	18	54	63	40	966,288	52	96	55	3,223,319	52	102	60
37,182,911	25	26	28	52	57	7,034,716	23	136	32	21,240,885	27	91	64
108,120,625	9	37	5	82	15	19,910,768	8	200	13	56,380,065	11	156	13
12,202,681	42	26	29	61	43	1,323,874	50	237	7	4,615,759	47	161	9
15,773,124	39	23	38	74	21	2,005,555	40	182	14	8,049,193	38	146	18
219,747,453	5	22	42	57	49	35,529,300	6	133	36	99,391,640	6	125	36
10,830,847	46	56	2	111	2	1,660,400	45	366	3	5,762,167	41	208	3
45,360,000	22	32	8	78	18	9,021,267	17	160	23	25,507,440	18	138	22
36,238,371	27	23	41	64	35	6,790,151	25	120	45	20,811,603	28	112	52
74,440,000	15	21	44	59	47	18,942,819	10	83	65	39,133,958	15	112	53
12,187,558	43	28	14	86	8	2,471,690	37	139	30	9,027,755	37	116	46
29,438,362	31	17	59	89	7	2,404,095	38	206	12	23,078,108	25	113	50
4,308,417	57	27	24	83	11	934,382	53	124	44	2,390,057	54	150	15
94,942,831	12	29	12	74	23	19,629,076	9	140	29	58,812,351	10	119	44
14,153,298	40	27	25	73	26	1,717,100	43	219	11	6,329,275	39	164	8
17,097,223	37	17	57	43	63	1,710,598	44	170	16	4,987,831	46	148	17
73,010,000	16	32	9	72	27	6,553,951	26	352	4	30,753,766	16	170	6
8,720,046	48	23	37	82	13	1,499,046	47	136	33	5,721,441	42	125	37
43,287,337	23	23	39	54	53	7,894,991	21	127	40	25,115,223	21	94	61
29,900,412	30	28	16	82	14	6,474,090	28	129	39	20,464,673	29	119	43
4,170,437	58	28	17	48	60	1,400,411	49	83	64	2,204,596	56	91	65
5,027,545	55	17	58	59	48	680,729	60	125	42	2,461,062	53	120	42
3,700,469	60	18	51	48	61	781,199	57	87	62	1,964,433	59	90	66
17,888,063	35	19	49	60	46	3,714,628	34	92	60	10,410,589	35	103	59
60,329,106	18	20	46	86	9	7,589,245	22	163	20	44,561,597	14	116	48
4,901,901	56	71	1	143	1	741,159	58	472	1	2,225,100	55	314	1
1,568,163,885	2	21	43	63	38	301,610,238	2	111	51	769,478,292	2	128	30
152,970,000	8	26	30	53	54	23,236,766	7	169	18	54,436,562	12	150	16
6,324,470	51	27	23	92	6	689,668	59	247	6	3,625,961	49	160	10
82,384,212	14	29	11	65	33	8,931,987	18	270	5	24,732,248	22	217	2
25,500,101	32	16	61	41	66	4,347,364	31	92	59	13,041,522	33	79	68
5,889,998	52	14	65	37	68	890,636	54	94	58	2,123,033	57	104	57
8,139,126	49	13	67	47	62	786,422	56	135	34	2,011,312	58	190	4
23,147,585	34	23	40	62	41	4,056,580	33	131	37	11,482,675	34	126	35
58,440,000	19	24	36	56	50	9,846,731	16	143	28	25,320,361	20	129	29

Total Spending																	
2015 Verified 2015 Spending		2016 Verified 2015 Adjustment Spending		2017 Verified 2015 Adjustment Spending		Total Verified 2015 Spending		2016 Verified 2016 Spending		2017 Verified 2016 Adjustment Spending		Total Verified 2016 Spending		2017 Verified 2017 Spending		Total Verified 2015-2017 Spending	
Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)
8,062,897	1	334,653	3	0	0	8,397,550	1	41,915,066	3	5,250	1	41,920,316	3	79,153,678	1	129,471,544	
39,320	20	59,951	10	0	1	99,271	18	344,836	44	1,050	7	345,886	43	502,660	48	947,817	
0	28	0	27	0	1	0	41	50,265	63	0	24	50,265	63	78,576	66	128,841	
0	28	0	27	0	1	0	41	0	66	0	24	0	66	396,208	51	396,208	
5,119	27	0	27	0	1	5,119	39	1,340,938	23	0	24	1,340,938	23	2,482,985	18	3,829,042	
0	28	29,000	18	0	1	29,000	28	1,564,432	19	0	24	1,564,432	19	2,377,568	19	3,971,000	
118,667	15	193,116	4	0	1	311,783	10	2,472,234	9	0	24	2,472,234	9	5,813,359	9	8,597,376	
162,334	12	58,069	11	0	1	220,403	11	1,200,961	24	1,470	5	1,202,431	24	1,657,194	27	3,080,028	
0	28	0	27	0	1	0	41	276,194	46	0	24	276,194	46	345,087	53	621,281	
0	28	3,354	26	0	1	3,354	40	19,890	65	0	24	19,890	65	42,176	68	65,420	
157,689	13	0	27	0	1	157,689	14	636,318	30	0	24	636,318	30	1,017,140	35	1,811,147	
0	28	0	27	0	1	0	41	61,223	61	0	24	61,223	61	150,562	63	211,785	
0	28	0	27	0	1	0	41	435,083	39	0	24	435,083	39	623,126	42	1,058,209	
0	28	0	27	0	1	0	41	2,916,887	8	525	12	2,917,412	8	5,659,074	10	8,756,486	
374,365	7	60,099	9	0	1	434,464	6	2,370,550	11	0	24	2,370,550	11	2,934,527	16	5,739,541	
0	28	111,618	6	0	1	111,618	17	2,430,728	10	525	12	2,431,253	10	7,626,948	6	10,169,819	
23,149	23	19,384	20	0	1	42,533	24	561,528	36	0	24	561,528	36	1,431,847	31	2,035,908	
5,306	26	0	27	0	1	5,306	38	57,969	62	945	9	58,914	62	144,036	64	208,256	
176,840	10	6,737	25	0	1	183,577	12	1,818,727	15	525	12	1,819,252	15	2,146,133	22	4,148,962	
0	28	8,075	24	0	1	8,075	35	1,003,864	26	0	24	1,003,864	26	1,643,714	29	2,655,633	
0																	

LDC Ranking (#)	Allocated Budget		2017 Progress Spending versus Allocated Budget		2015-2017 Progress Spending versus Allocated Budget		2015-2020 LDC CDM Plan Spending Forecast		2017 Progress versus 2015-2020 LDC CDM Plan Spending Forecast		2015-2017 Progress versus 2015-2020 LDC CDM Plan Spending Forecast		2017 LDC CDM Plan Spending Forecast		2017 Progress versus 2017 LDC CDM Plan Spending Forecast		2015-2017 LDC CDM Plan Spending Forecast		2015-2017 Progress versus 2015-2017 LDC CDM Plan Spending Forecast	
	Value (\$)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (%)	LDC Ranking (#)
1	414,824,478	1	19	36	31	30	412,907,157	1	19	36	31	31	89,938,374	1	88	43	186,362,886	1	69	53
43	2,107,963	50	24	12	45	5	2,470,412	45	20	29	38	15	432,758	48	116	12	888,411	45	107	9
66	311,330	64	25	10	41	9	374,401	67	21	26	34	21	95,250	66	82	50	203,831	66	63	63
56	148,832	67	266	2	266	2	1,846,142	51	21	23	21	63	337,342	52	117	10	724,090	50	55	66
21	15,838,687	17	16	57	24	62	15,838,687	18	16	58	24	60	2,661,593	20	93	33	5,245,973	19	73	49
20	14,048,458	19	17	50	28	42	11,591,730	21	21	27	34	22	2,702,600	18	88	44	4,938,885	20	80	41
9	25,825,521	10	23	19	33	24	25,825,521	8	23	21	33	24	5,293,074	11	110	17	9,973,036	9	86	32
25	7,355,555	30	23	18	42	8	6,952,818	31	24	14	44	6	1,609,378	31	103	23	3,031,748	29	102	12
49	2,252,724	48	15	58	28	46	2,190,601	47	16	56	28	41	674,845	38	51	67	950,344	43	65	58
68	298,764	65	14	62	22	63	298,764	68	14	63	22	62	69,743	67	60	62	89,852	68	73	51
33	4,446,841	36	23	16	41	11	4,446,841	36	23	19	41	9	998,972	35	102	24	2,245,523	32	81	40
63	525,743	62	29	7	40	12	525,743	65	29	6	40	12	162,798	64	92	34	220,424	65	96	18
41	4,273,057	38	15	60	25	59	4,273,057	37	15	61	25	58	649,882	41	96	31	1,104,658	39	96	19
10	25,873,071	9	22	22	33	25	22,281,831	11	25	11	38	14	4,525,892	13	125	8	7,408,108	13	116	4
13	14,695,867	18	20	30	39	15	17,441,107	16	17	50	33	25	3,296,925	15	89	40	6,285,797	17	91	27
7	38,421,929	7	20	31	26	51	38,421,928	7	20	33	26	49	9,868,968	6	77	53	15,959,414	6	64	61
31	7,104,954	31	20	27	29	40	8,022,275	29	18	45	25	55	1,961,511	27	73	59	2,668,899	31	76	47
64	685,489	61	21	24	30	34	685,489	64	21	25	30	37	162,703	65	89	42	225,978	64	92	26
19	8,532,573	27	25	11	49	4	8,030,233	28	27	9	52	2	1,942,734	28	110	16	4,361,729	22	95	21
28	8,768,149	25	19	38	30	36	8,763,560	25	19	41	30	38	2,320,677	23	71	60	3,644,455	24	73	50
53	98,990	68	421	1	421	1	1,682,107	54	25	12	25	57	298,018	54	140	5	643,270	52	65	59
60	1,109,758	57	20	34	28	45	1,119,638	59	19	35	28	44	295,858	55	73	58	503,825	55	61	64
23	9,672,498	23	20	26	36	20	9,672,497	22	20	38	36	19	2,037,534	26	97	28	3,575,712	25	98	16
45	2,894,613	44	20	28	31	29	2,894,596	43	20	31	31	30	667,281	40	87	46	967,403	42	94	22
12	24,920,625	11	18	40	25	56	24,914,810	9	18	42	25	54	4,984,747	12	92	37	9,924,301	10	64	60
29	8,387,497	28	24	14	31	32	8,387,497	27	24	17	31	33	1,693,484	30	117	11	2,997,163	30	86	33
59	843,903	60	30	6	40	13	839,830	63	31	4	40	11	249,293	59	103	21	324,621	63	104	10
67	394,750	63	14	61	25	58	394,750	66	14	62	25	56	65,818	68	87	47	103,786	67	96	20
51	2,139,160	49	12	65	21	65	2,139,160	48	12	64	21	64	469,776	45	55	63	642,701	53	70	52
2	338,355,409	3	22	20	36	21	319,733,906	3	24	15	38	16	84,648,671	2	90	39	130,932,006	3	94	23
4	105,242,155	4	23	15	36	19	105,242,155	4	23	18	36	18	30,043,738	4	81	51	43,902,666	4	87	30
39	3,680,241	41	19	35	32	28	3,680,241	40	19	37	32	28	745,996	37	95	32	1,379,515	37	85	35
54	155,966	66	265	3	265	3	1,741,263	52	24	16	24	61	315,564	53	131	6	674,000	51	61	65
61	1,407,448	54	12	64	21	64	1,688,937	53	10	67	18	67	341,056	51	52	66	900,462	44	33	68
30	8,674,286	26	19	39	25	55	8,631,873	26	19	40	26	53	1,761,544	29	92	36	3,477,795	26	64	62
11	27,710,719	8	19	37	25	57	21,241,293	12	24	13	33	27	5,304,361	10	98	26	8,757,155	11	79	43
48	3,077,834	42	18	43	27	50	3,063,883	42	18	43	27	48	422,399	49	131	7	762,964	49	107	8
42	4,142,391	39	15	59	26	54	4,121,298	38	15	60	26	52	603,854	42	103	22	1,049,293	41	101	15
5	51,192,690	5	20	29	41	10	51,389,905	5	20	32	41	8	10,107,408	5	101	25	20,767,785	5	102	13
38	2,739,690	46	32	4	44	6	2,489,129	44	35	2	49	3	507,918	44	172	2	862,722	46	141	2
22	11,911,927	21	17	46	31	31	11,911,927	20	17	47	31	32	2,808,776	17	74	56	4,722,005	21	78	44
27	9,649,555	24	17	49	28	43	9,649,555	23	17	49	28	42	2,246,041	24	73	57	3,306,832	28	82	39
14	19,056,865	15	16	52	29	39	19,056,865	15	16	52	29	40	5,691,300	9	55	64	8,070,179	12	68	56
40	2,993,633	43	22	23	36	22	2,221,857	46	29	5	48	4	674,316	39	96	29	1,099,317	40	98	17
32	5,545,424	34	20	32	33	26	5,588,424	34	20	34	33	26	1,321,014	33	83	49	2,061,859	35	89	29
52	1,174,934	56	22	21	36	23	1,174,934	58	22	22	36	20	291,147	56	89	41	453,485	58	93	25
8	24,575,982	12	25	9	38	17	24,207,742	10	26	10	39	13	6,805,010	8	92	38	10,080,076	8	94	24
46	3,705,603	40	18	42	24	61	3,320,975	41	20	30	27	46	467,979	47	143	4	820,108	48	110	6
37	4,318,856	37	14	63	28	41	3,845,634	39	16	59	32	29	532,482	43	113	15	1,114,081	38	110	5
15	19,963,922	14	16	54	26	53	19,918,698	14	16	54	26	51	2,656,044	21	121	9	6,160,566	18	85	36
47	2,282,373	47	24	13	39	14	1,989,059	49	27	8	45	5	468,258	46	116	13	821,260	47	109	7
26	9,781,455	22	21	25	30	37	9,489,528	24	21	24	31	35	2,194,825	25	92	35	4,242,996	23	69	54
24	7,440,107	29	31	5	42	7	7,440,107	30	31	3	42	7	2,665,073	19	88	45	3,453,420	27	90	28
57	1,070,574	58	28	8	37	18	1,069,894	61	28	7	37	17	380,306	50	80	52	470,588	56	84	37
58	1,306,239	55	18	44	27	47	1,226,814	57	19	39	29	39	203,657	63	115	14	346,828	62	103	11
65	1,016,095	59	12	66	18	68	1,093,501	60	11	66	17	68	252,883	58	49	68	512,183	54	36	67
36	4,643,532	35	17	48	30	35	4,586,298	35	17	46	31	36	1,196,268	34	67	61	1,804,761	36	78	45
17	12,927,445	20	18	41	39	16	12,369,311	19	19	38	40	10	2,416,300	22	98	27	6,837,532	14	73	48
44	2,881,461	45	23	17	32	27	939,108	62	69	1	99	1	218,641	62	297	1	386,217	61	241	1
3	400,296,506	2	18	45	30	33	395,720,870	2	18	44	31	34	73,852,676	3	96	30	146,708,281	2	83	38
6	40,482,340	6	17	51	28	44	40,482,340	6	17	51	28	43	7,905,508	7	86	48	13,109,152	7	86	31
50	1,814,647	52	20	33	29	38	1,573,675	55	23	20	34	23	238,480	60	150	3	454,281	57	118	3
16	21,192,868	13	16	56	24	60	21,192,868	13	16	57	24	59	3,212,039	16	104	20	6,397,486	15	80	42
34	6,584,437	32	16	55	27	49	6,584,434	32	16	55	27	47	967,657	36	108	18	2,076,204	34	86	34
62	1,493,412	53	10	68	20	67	1,493,412	56	10	68	20	66	284,830	57	53	65	433,226	59	68	57
55	2,012,404	51	11	67	20	66	1,978,115	50	12	65	20	65	221,480	61	104	19	395,076	60	101	14
35	6,101,269	33	17	47	26	52	6,101,269	33	17	48	26	50	1,414,428	32	75	55	2,084,2			

Progress Report

For: Actra Utilities Corporation

#	Programs
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	Unit of Measure	Participation										Progress vs Forecast (%)											
		Forecasted (#)										Verified (#)											
		2015	2016	2017	2018	2019	2020	Total	2015 Verified Results	2016 Verified Results Adjustments	2017 Verified Results Adjustments	Total Verified Results	2016 Verified Results	2017 Verified Results Adjustments	Total Verified Results	2017 Verified Results	Total Verified Results	2017 Verified Results	Total Verified Results				
2015-2020 Conservation First Framework Programs																							
Residential Province-Wide Programs																							
1	Save on Energy Cost Program	Products	426,026	2,115,882	1,012,125			3,564,033	400,821	53,078	-	453,899	3,264,977	353,319	3,618,296	3,086,301	7,144,586	104	171	305	301		
2	Save on Energy Instant Discount Program	Products	-	-	995,437	1,815,005	323,360	254,690	-	-	-	-	-	-	-	2,309,092	2,309,092	-	-	-	240		
3	Save on Energy Heating & Cooling Program	Equipment	9,546	25,595	18,745	4,634	2,838	2,450	8,782	985	-	9,747	34,805	219	35,024	19,961	64,774	102	137	106	104		
4	Save on Energy New Construction Program	Homes	1	34	1,380	1,770	1,160	5,676	-	1	-	1	2	18	31	39	43	200	207	1	2		
5	Save on Energy Home Assistance Program - P4P	Homes	-	473	1,000	3,000	3,000	3,000	-	-	-	473	357	890	651	1,440	-	-	175	43			
Sub-total: Residential Province-Wide Programs																							
Business Province-Wide Programs																							
6	Save on Energy Audit Funding Program	Projects	11	103	128	147	147	74	-	8	-	8	46	28	74	93	176	73	72	73	72		
7	Save on Energy Retrofit Program	Projects	698	2,954	223	171	155	93	-	269	420	27	716	2,158	293	2,411	1,235	4,665	103	102	183	184	
8	Save on Energy Small Business Lightings Program	Projects	-	100	1,200	1,200	700	350	-	-	-	-	-	-	1	103	1,677	1,796	-	-	-	117	
9	Save on Energy High Performance New Construction Program	Projects	7	22	20	22	14	14	-	3	-	1	4	16	17	17	18	57	77	85	78		
10	Save on Energy Existing Building Commissioning Program	Projects	-	-	5	5	7	28	-	-	-	-	-	-	7	7	1	9	-	-	-	168	
11	Save on Energy Business Refrigeration Incentive Program	Projects	-	258	1,300	890	445	222	-	-	-	-	-	-	-	327	318	-	-	-	24		
12	Save on Energy Process & Systems Upgrades Program	Projects	2	2	34	40	11	52	-	-	-	-	-	2	2	4	-	-	-	100	12		
13	Save on Energy Energy Manager Program	Projects	-	18	15	24	27	30	-	-	-	-	22	8	30	9	78	-	-	167	60		
14	Save on Energy Monitoring & Targeting Program	Projects	-	-	-	-	8	4	-	-	-	-	-	-	-	-	-	-	-	-	10		
15	Save on Energy Business Refrigeration Incentive Program - P4P	Projects	134	1,166	2,723	3,273	2,965	12,443	-	-	61	-	9	70	472	179	651	253	574	52	56	9	24
16	Save on Energy Process & Systems Upgrades Program - P4P	Projects	-	-	-	-	-	-	-	-	-	-	3	2	5	-	-	-	-	100	100		
Sub-total: Business Province-Wide Programs																							
Local & Regional Programs																							
17	Adaptive Thermostat Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
18	Business Refrigeration Incentives Local Program	Projects	-	-	-	-	-	-	-	-	-	-	258	-	258	1,191	1,448	-	-	-	-		
19	Conservation on the Coast Home Assistance Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20	Conservation on the Coast Small Business Lighting Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
21	First Nations Conservation Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
22	High Efficiency Agricultural Pumping Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
23	Instant Savings Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24	OPwaver Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25	Pool Saver Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26	PUMPwaver Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	RTUwaver Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	Social Benchmarking Local Program	Participants	781,125	805,125	1,597,125	1,695,750	1,692,056	6,471,181	-	-	-	-	-	236,020	236,020	244,027	460,440	-	-	30	30		
Sub-total: Local & Regional Programs																							
LDC Innovation Fund Pilot Programs																							
29	Air Source Heat Pump - For Residential Space Heating LDC Innovation Fund	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	Air Source Heat Pump - For Residential Water Heating LDC Innovation Fund	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31	Boiler Heater Timer LDC Innovation Fund Pilot Program	Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
32	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	Conservation Cultivator LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
34	Data Centre LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	Electronics Take Back LDC Innovation Fund Pilot Program	Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36	Energy Reinvestment LDC Innovation Fund Pilot Program	Projects	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
37	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
38	Hotel/Motel LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
39	Intelligent Air Technology LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
40	OPwaver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
41	PUMPwaver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
42	Residential Direct Install LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
43	Residential Direct Mail LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
44	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
45	Recommissioning LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
46	RTUwaver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
47	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
48	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Projects	-	1,000	-	-	-	1,000	-	-	-	-	1,025	-	1,025	-	1,025	103	-	199	358		
49	Toronto Hydro - Enbridge Joint Low Income Program LDC Innovation Fund	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50	Truckload Event LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	85,176	-	85,176	-	85,176	100	-	3,236	163		
Sub-total: LDC Innovation Fund Pilot Programs																							
Centrally Delivered Programs																							
51	Industrial Accelerator Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
52	Save on Energy Energy Performance Program for Multi-Site Customers	Projects	-	-	-	7	-	7	-	-	-	-	-	-	-	3	3	-	-	-	1		
53	Whole Home Pilot Program	Homes	-	-	5,000	-	-	5,000	-	-	-	-	-	-	3,276	3,276	-	-	-	66			
Sub-total: Centrally Delivered Programs																							
Program Enabled Savings																							
54	Save on Energy Retrofit Program Enabled Savings	Claims	3	9	-	-	-	12	-	3	-	3	9	-	9	-	11	100	100	-	100		
55	Save on Energy High Performance New Construction Program Enabled Savings	Claims	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
56	Save on Energy Process & Systems Upgrades Program Enabled Savings	Claims	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Program Enabled Savings																							
Other																							
57	Non-Approved Program	Various	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
58	Unassigned Program	Various	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Other																							
Sub-total: 2015-2020 Conservation First Framework																							
Conservation Fund																							
59	Conservation Voltage Reduction Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
60	ENERGYC Conservation Fund Pilot Program	Projects	1	-	-	-	-	1	-	1	-	-	-	-	-	-	-	100	-	-	100		
61	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	1,132	-	1,132	-	1,132	-	-	-	-		
62	Loblaws P4P Conservation Fund Pilot Program	Projects	3	-	-	-	-	3	-	3	-	-	3	-	3	-	3	100	-	-	100		
63	Ontario Clean Water Alliance P4P Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
64	Performance Based Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
65	Social Benchmarking Conservation Fund Pilot Program	Participants	42,335	-	-	-	-	42,335	42,335	-	-	-	42,335	-	42,335	-	42,335	100	-	-	100		
66	Strategic Energy Group Conservation Fund Pilot Program	Projects	4	-	-	-	-	4	-	4	-	-	-	-	-	-	-	100	-	-	100		
Sub-total: Conservation Fund																							
2011-2014+2015 Extension Legacy Framework Programs																							
Residential Program																							
67	Appliance Retirement Initiative	Appliances	767	-	-	-	-	767	767	-	-	-	767	-	767	-	767	100	-	-	100		
68	Coupon Initiative	Products	240,885	-	-	-	-	240,885	218,250	34,361	-	252,611	-	-	-	-	252,611	105	-	-	104		
69	Bi-Minimal Retailer Event Initiative	Products	441,429	-	-	-	-	441,429	439,478	2,857	-	442,335	-	-	-	-	442,335	100	-	-	100		
70	HVAC Incentives Initiative	Equipment	23,774	-	-	-	-	23,774	23,288	566	-	23,854	-	-	-	-	23,854	101	-	-	101		
71	Residential New Construction and Major Renovation Initiative	Homes	1,139	-	-	-	-	1															

2016							2017							Progress (%)			
Verified	2015	2016	2017	2018	2019	2020	Verified	2015	2016	2017	2018	2019	2020	2015	2016	2017	Total
Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,298,236	-	11,996,136	80,120,136	9,362,005	89,482,141	92,650,481	193,728,758	100	111	863	188						
679,233	-	5,486,785	17,696,215	190,546	17,886,761	15,571,440	38,844,888	100	102	72	87						
892	106,581	107,673	926,527	199,149	1,074,607	157,214	1,339,394	100	127	3	24						
1,878,761	106,581	17,190,944	99,620,316	9,751,720	109,372,036	196,649,018	323,311,548	101	110	401	155						
620,994	-	620,994	604,561	367,994	972,555	6,076,031	7,669,580	94	72	361	207						
17,783,144	644,387	25,200,996	109,820,469	18,191,676	128,021,165	118,659,311	274,886,872	100	105	274	143						
238,180	-	238,180	6,545,793	2,695,819	9,241,612	14,587,765	24,067,557	10	119	100	82						
1,731,152	1,263,889	2,995,141	41,083,220	18,258,597	59,341,817	19,395,821	81,732,770	66	63	11	30						
20,373,670	1,908,376	29,054,711	171,270,274	55,058,053	226,328,327	171,987,546	427,370,584	82	88	69	79						
1,013,502	-	1,013,502	5,544,355	6,557,857													
178,029	-	178,029	178,029	178,029				89	89								
2,485,672	-	2,485,672	2,485,672	2,485,672				111	111								
2,663,701	-	2,663,701	2,663,701	2,663,701				109	109								
592,627	-	592,627	592,627	592,627				142	142								
1,991,210	-	1,991,210	1,991,210	1,991,210				185	185								
2,583,837	-	2,583,837	2,583,837	2,583,837													
22,252,431	2,014,957	46,245,205	274,567,793	79,663,470	354,231,263	410,677,397	811,153,865	88	95	132	110						
130,073	-	130,073	130,073	130,073				100	100								
1,085,006	-	1,085,006	1,085,006	1,085,006				100	100								
2,078,654	-	2,078,654	2,078,654	2,078,654				100	100								
9,195,849	-	9,195,849	9,195,849	9,195,849				100	100								
13,889,582	-	13,889,582	13,889,582	13,889,582				100	100								
336,846	-	336,846	336,846	336,846				100	100								
6,131,743	-	6,131,743	6,131,743	6,131,743				100	100								
10,082,238	-	10,082,238	10,082,238	10,082,238				100	100								
10,126,680	-	10,126,680	10,126,680	10,126,680				100	100								
4,744,540	-	4,744,540	4,744,540	4,744,540				101	101								
31,422,047	-	31,422,047	31,422,047	31,422,047				100	100								
13,913,789	-	13,913,789	13,913,789	13,913,789				164	164								
152,014,976	-	152,014,976	152,014,976	152,014,976				101	101								
7,781,871	-	7,781,871	7,781,871	7,781,871				66	66								
6,029,398	-	6,029,398	6,029,398	6,029,398				100	100								
596,676	-	596,676	596,676	596,676				100	100								
180,336,210	-	180,336,210	180,336,210	180,336,210				102	102								
31,554,401	-	31,554,401	31,554,401	31,554,401				100	100								
6,775,910	-	6,775,910	6,775,910	6,775,910				100	100								
38,330,311	-	38,330,311	38,330,311	38,330,311				100	100								
962,448	-	962,448	962,448	962,448				100	100								
962,448	-	962,448	962,448	962,448				100	100								
653,163	-	653,163	653,163	653,163				100	100								
251,704,179	-	251,704,179	251,704,179	251,704,179				101	101								
46,411,043	1,728,847	111,338,066	274,567,362	79,663,470	354,245,832	410,677,397	1,076,262,195	99	95	132	110						

Net Incremental First Year Energy Savings

Net Incremental First Year Peak Demand Savings											Verified (kW)				Progress (%)			
Forecasted (kW)	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	Total	2015	2016	2017	Total			
Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results			
760	5,155	777	766	1,418	295	258	2,737	675	84	-	759	5,214	594	5,808	6,412	12,292		
2,879	5,211	2,027	358	221	189	10,885	2,533	348	-	2,881	6,289	56	5,345	4,562	12,788	100		
84	112	225	225	225	225	813	84	112	225	225	813	100	100	100	100	100		
3,639	10,640	4,286	2,610	1,845	1,271	23,801	3,208	432	6	3,646	10,778	689	11,467	17,182	32,295	100		
137	177	220	252	252	127	1,165	-	132	-	132	79	48	127	270	528	96		
3,510	18,062	5,278	1,271	1,152	891	30,485	956	2,471	68	3,455	16,496	2,449	18,945	20,109	42,945	100		
249	50	812	812	474	237	2,805	249	50	812	812	474	237	61	1,688	3,752	100		
667	1,827	2,040	419	909	1,200	7,082	667	1,827	2,040	419	909	1,200	50	1,402	626	7		
137	689	472	236	118	1,652	3,229	137	689	472	236	1,652	3,229	-	11	11	11		
307	89	314	4,151	8,680	6,371	19,912	307	89	314	4,151	8,680	6,371	87	87	144	233		
551	415	683	788	892	3,329	6,244	551	415	683	788	892	3,329	197	92	289	646		
650	10,988	22,397	26,006	24,893	14,636	99,869	650	10,988	22,397	26,006	24,893	14,636	341	208	549	4,244		
5,271	35,355	32,715	35,048	37,032	24,386	169,787	5,271	35,355	32,715	35,048	37,032	24,386	4,226	24,064	8,078	32,142		
137	728	865	137	728	865	1,411	137	728	865	1,411	2	2	1,411	2	1,411	100		
206	206	206	206	206	206	1,411	206	206	206	206	206	206	206	206	206	206	100	
154	154	154	154	154	154	1,411	154	154	154	154	154	154	154	154	154	154	100	
154	206	360	154	206	360	1,411	154	206	360	1,411	2	2	1,411	2	1,411	100		
50	50	50	50	50	50	1,411	50	50	50	50	50	50	50	50	50	50	100	
398	398	398	398	398	398	1,411	398	398	398	398	398	398	398	398	398	398	100	
704	704	704	704	704	704	1,411	704	704	704	704	704	704	704	704	704	704	100	
5,367	5,367	5,367	5,367	5,367	5,367	1,411	5,367	5,367	5,367	5,367	5,367	5,367	5,367	5,367	5,367	5,367	100	
593	593	593	593	593	593	1,411	593	593	593	593	593	593	593	593	593	593	100	
7,112	7,112	7,112	7,112	7,112	7,112	1,411	7,112	7,112	7,112	7,112	7,112	7,112	7,112	7,112	7,112	7,112	100	
1,582	1,582	1,582	1,582	1,582	1,582	1,411	1,582	1,582	1,582	1,582	1,582	1,582	1,582	1,582	1,582	1,582	100	
19,593	19,593	19,593	19,593	19,593	19,593	1,411	19,593	19,593	19,593	19,593	19,593	19,593	19,593	19,593	19,593	19,593	100	
2,814	2,814	2,814	2,814	2,814	2,814	1,411	2,814	2,814	2,814	2,814	2,814	2,814	2,814	2,814	2,814	2,814	100	
1,708	1,708	1,708	1,708	1,708	1,708	1,411	1,708	1,708	1,708	1,708	1,708	1,708	1,708	1,708	1,708	1,708	100	
25,947	25,947	25,947	25,947	25,947	25,947	1,411	25,947	25,947	25,947	2								

Progress Report

For: Province Wide

Programs

2015-2020 Conservation First Framework Programs

Residential Province-Wide Programs

1 Save on Energy Coupon Program	Products	1,492,546	4,932,000	4,370,649	1,338,550	1,272,946	943,135	11,181,971	1,207,534	198,108	-	1,405,642	17,053,287	1,946,932	18,999,679	17,079,623	37,484,914	94	385	391	319	
2 Save on Energy Instant Discount Program	Products	-	-	1,048,988	1,928,256	376,123	302,918	1,366,836	-	-	-	-	-	32,087,827	15,087,827	-	-	12,087,827	1152	-	-	1152
3 Save on Energy Heating & Cooling Program	Equipment	23,586	50,057	47,909	32,026	29,400	28,686	111,664	20,235	2,354	-	22,589	136,617	913	137,538	79,915	240,934	96	275	167	193	
4 Save on Energy New Construction Program	Homes	3,333	7,187	8,319	6,879	8,500	6,967	41,463	6	5	11	130	74	204	328	543	0	3	4	4	3	
5 Save on Energy Home Assistance Program	Homes	80,753	15,512	56,654	89,092	37,435	85,128	704,574	1,032	226	-	1,258	5,066	1,500	6,566	6,910	14,734	2	42	12	10	

Business Residential Province-Wide Programs

6 Save on Energy Audit Funding Program	Projects	61	293	433	444	443	359	2,031	2	27	2	31	213	207	420	349	800	51	143	81	100	
7 Save on Energy Process & Systems Upgrades Program	Projects	51,299	273,262	347,045	262,455	232,887	228,156	1,496,104	811	2,495	289	3,595	10,600	30,029	13,719	8,783	26,699	7	5	3	4	
8 Save on Energy Small Business Lighting Program	Projects	22,186	18,102	72,570	74,811	70,263	60,606	318,578	-	-	-	2,421	64	2,485	7,545	10,059	-	14	10	1	-	
9 Save on Energy High Performance New Construction Program	Projects	59	293	4,284	4,647	4,576	4,568	18,839	8	3	11	180	61	2,576	167	418	-	19	82	3	3	
10 Save on Energy Existing Building Commissioning Program	Projects	14	41	38	40	39	192	-	-	-	2	2	3	30	30	6	38	23	134	15	68	
11 Save on Energy Business Refrigeration Incentive Program	Projects	-	306	16,748	21,710	20,262	16,934	74,960	-	-	-	-	-	-	-	1,077	1,077	-	-	6	6	
12 Save on Energy Process & Systems Upgrades Program	Projects	41	3,138	1,728	1,701	135	512	3,960	-	-	3	12	13	13	13	16	79	-	0	9	1	
13 Save on Energy Energy Manager Program	Projects	47	117	218	377	298	240	3,986	-	-	-	69	54	121	77	269	-	105	35	54	-	
14 Save on Energy Monitoring & Targeting Program	Projects	7	6	26	25	26	23	113	-	-	-	-	-	-	-	-	-	-	-	-	-	
15 Save on Energy Retrofit Program - PAP	Projects	134	1,166	-	-	-	-	1,900	-	-	61	9	70	472	178	651	753	974	52	56	75	-
16 Save on Energy Process & Systems Upgrades Program - PAP	Projects	-	5	-	-	-	-	5	-	-	-	3	2	5	-	-	-	100	100	100	100	

Sub-total: Business Residential Province-Wide Programs

Sub-total: Business Residential Province-Wide Programs

Local & Regional Programs

17 Adaptive Thermostat Local Program	Homes	-	1,041	5,000	5,000	5,000	5,000	41,041	-	-	-	-	-	-	-	-	-	-	-	-	-
18 Business Refrigeration Incentives Local Program	Homes	-	-	171	951	665	542	2,349	-	-	-	305	-	-	305	1,191	1,496	-	696	878	-
19 Conservation on the Coast Home Assistance Local Program	Projects	-	-	-	-	-	-	-	-	-	-	112	112	26	139	-	-	-	-	-	-
20 Conservation on the Coast Small Business Lighting Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 First Nations Conservation Local Program	Homes	-	750	1,363	747	890	780	4,530	-	-	-	-	-	2,135	2,135	-	-	-	157	101	-
22 High Efficiency Agricultural Pumping Local Program	Projects	-	-	3,944	5,268	6,581	6,581	22,374	-	-	-	-	-	-	-	-	-	-	-	-	-
23 Instant Savings Local Program	Homes	-	-	36,390	14,017	6,523	2,821	77,779	-	-	-	-	-	13,146	13,146	-	-	-	81	81	-
24 DPaver Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 Pool Saver Local Program	Homes	-	-	5,605	6,118	6,008	5,736	33,647	-	-	-	-	-	-	1,958	1,958	-	-	35	35	-
26 PUMPaver Local Program	Homes	-	16	269	618	134	67	867	-	-	-	5	1	6	193	199	-	-	38	72	70
27 RTU Saver Local Program	Homes	-	1	608	518	519	212	11,676	-	-	-	-	-	-	-	-	-	-	-	-	-
28 Social Benchmarking Local Program	Participants	-	1,333,125	2,390,945	3,744,545	4,430,904	4,457,000	16,366,515	-	-	-	-	764,789	764,789	1,050,385	1,815,174	-	-	57	44	48

Sub-total: Local & Regional Programs

LDC Innovation Fund Pilot Programs

29 Air Source Heat Pump - For Residential Space Heating LDC Innovation Fu	Homes	-	-	847	206	206	165	1,424	-	-	-	112	112	224	0	230	-	-	-	78	-
30 Air Source Heat Pump - For Residential Water Heating LDC Innovation Fu	Homes	-	-	-	-	-	-	-	-	-	-	69	69	69	69	69	-	-	-	-	-
31 Block Heater Timer LDC Innovation Fund Pilot Program	Equipment	-	-	4,000	4,285	4,270	4,270	16,845	-	-	-	-	-	1,599	1,599	-	-	-	40	40	-
32 Commercial Energy Management and Load Control (CEMLC) LDC Innovat	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33 Conservation Cultivator LDC Innovation Fund Pilot Program	Projects	1	-	12	-	-	1	2	-	-	4	4	-	-	-	4	-	400	-	400	-
34 Data Centre LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35 Electronics Take Back LDC Innovation Fund Pilot Program	Equipment	-	-	10,000	-	-	-	10,000	-	-	-	-	-	-	-	-	-	-	100	100	-
36 Energy Reinvestment LDC Innovation Fund Pilot Program	Projects	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37 Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Homes	-	323	6	1,380	2,760	2,760	7,743	-	-	-	-	-	838	838	-	-	-	13,967	255	-
38 Home/Hotel LDC Innovation Fund Pilot Program	Projects	-	5	5	7	7	7	16	-	-	-	-	-	4	4	-	-	-	80	46	-
39 Intelligent Air Technology LDC Innovation Fund Pilot Program	Projects	-	-	16	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
40 DPaver LDC Innovation Fund Pilot Program	Projects	-	5	-	-	-	-	5	-	-	-	5	-	5	-	5	-	100	100	100	-
41 PUMPaver LDC Innovation Fund Pilot Program	Projects	-	18	-	-	-	-	18	-	-	10	-	10	-	10	-	-	-	-	-	-
42 Residential Direct Install LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	322	-	322	-	322	-	-	-	-	-	-
43 Residential Direct Mail LDC Innovation Fund Pilot Program	Homes	-	2	-	-	-	-	2	-	-	726	-	726	-	726	-	-	36,300	36,300	-	-
44 Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Homes	-	1	-	-	-	-	1	-	-	94	94	94	94	94	94	-	9,400	9,400	-	-
45 Retrocommissioning LDC Innovation Fund Pilot Program	Projects	-	77	-	77	50	30	731	-	-	75	-	75	-	75	-	-	97	97	97	-
46 RTU Saver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	13	-	13	-	13	-	-	-	-	-	-
47 Small & Medium Business Energy Management System LDC Innovation F	Projects	-	-	133	-	-	-	133	-	-	45	45	754	754	754	754	-	-	567	601	-
48 Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Homes	-	1,000	-	-	-	-	1,000	-	-	1,026	-	1,026	-	1,026	-	-	103	103	103	-
49 Toronto Hyvco - Edgebrook Joint Low-Income Program LDC Innovation Fu	Homes	-	-	-	-	-	-	-	-	-	-	-	-	300	300	-	-	-	-	-	-
50 Troubadour Event LDC Innovation Fund Pilot Program	Projects	-	85,178	-	-	-	-	85,178	-	-	226,443	-	226,443	-	226,443	-	-	264	264	264	-

Sub-total: LDC Innovation Fund Pilot Programs

Centrally Delivered Programs

51 Industrial Accelerator Program	Projects	-	-	2	2	2	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-
52 Save on Energy Performance Program for Multi-Site Customers	Projects	-	-	4	11	4	4	26	-	-	-	-	-	30	30	-	-	-	780	780	-
53 Multiple Home Pilot Program	Homes	-	-	5,090	-	2	2	5,090	-	-	-	-	-	10,199	10,199	-	-	-	204	204	-

Sub-total: Centrally Delivered Programs

Program Enabled Savings

54 Save on Energy Retrofit Program Enabled Savings	Claims	5	10	1	1	1	1	18	-	-	9	9	18	28	14	42	24	84	360	420	2,400	521
55 Save on Energy High Performance New Construction Program Enabled S	Claims	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	1	8	-	-	-	
56 Save on Energy Process & Systems Upgrades Program Enabled Savings	Claims	-	-	-	-	-	-	-	-	-	1	1	-	1	1	2	2	4	-	-	-	

Sub-total: Program Enabled Savings

Other

57 Non-Approved Program	Various	-	3,401	46,669	228,390	181,677	185,292	646,063	-	-	-	-	-	-	-	-	-	-	-	-	-
58 Unassigned Program	Various	-	5	21,188	21,189	21,192	63,374	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sub-total: 2015-2020 Conservation First Framework

Conservation Fund

59 Conservation Voltage Reduction Conservation Fund Pilot Program	Projects	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	100	100	-
60 EnerNOC Conservation Fund Pilot Program	Projects	13	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	92	92	-
61 Home Depot Home Appliance Market Light Conservation Fund Pilot Pro	Projects	1	5	-	-	-	-	6	-	-	-	-	4,638	-	4,638	-	-	-	4,638	4,638	-
62 Loblaw PAP Conservation Fund Pilot Program	Projects	4	-	-	-	-	-	18	-	-	-	-	18								

Energy Savings

2017					2018					2019					2020					Total					Verified (kWh)					Progress (%)																								
2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total															
2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total										
95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100	95,432,950	94,208,317	92,034,688	96,295,762	405,967,100

Net Incremental First Year Peak Demand Savings

Forecasted (kW)												Verified (kW)												Progress (%)																			
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total									
2,558	11,009	6,946	2,331	2,207	1,832	26,889	2,025	297	-	-	-	-	2,322	27,880	3,174	31,004	36,196	69,462	91	262	530	2,558	11,009	6,946	2,331	2,207	1,832	26,889	2,025	297	-	-	-	-	2,322	27,880	3,174	31,004	36,196	69,462	91	262	530

Gross Incremental First Year Peak Demand Savings										Gross Incremental First Year Peak Demand Savings				Gross Incremental First Year Peak Demand Savings					
Forecasted (kW)										Verified (kW)				Progress (%)					
2015	2016	2017	2018	2019	2020	Total	2015 Verified Results	2016 Verified Results Adjustments	2017 Verified Results Adjustments	Total Verified Results	2015 Verified Results	2016 Verified Results Adjustments	2017 Verified Results Adjustments	Total Verified Results	2015 Total Verified Results	2016 Total Verified Results	2017 Total Verified Results	Total Total Verified Results	
1,643	8,995	5,344	1,629	1,517	1,272	19,099	1,247	183	-	1,430	19,852	2,234	22,086	27,948	51,665	87	262	523	1,355
-	-	1,205	2,291	477	470	4,343	-	-	-	-	-	-	-	-	-	-	-	-	-
11,237	16,371	15,688	11,011	10,360	10,203	76,879	9,481	1,260	-	10,742	31,230	307	31,537	23,647	65,926	86	193	151	194
237	1,282	2,660	2,731	2,844	2,720	14,474	-	18	33	51	451	116	567	607	1,226	22	44	23	88
3,263	4,275	4,751	3,747	3,685	3,637	31,330	213	89	-	292	870	132	959	1,929	700	20	27	25	72
14,878	39,322	29,648	24,934	23,883	17,523	124,243	16,942	1,209	33	17,472	52,763	376	55,476	76,506	143,524	87	112	26	193
932	2,254	4,096	4,058	4,040	3,673	19,063	35	474	38	547	533	518	1,051	1,076	2,674	59	47	26	37
22,100	114,927	91,392	67,683	65,564	65,453	424,114	3,752	16,562	1,376	21,690	85,826	31,406	117,327	108,779	244,701	98	102	119	100
799	1,791	10,432	10,427	8,353	7,291	38,890	-	-	-	-	2,853	974	11,409	15,296	-	-	-	-	
1,402	13,821	9,332	5,738	6,224	6,392	60,365	-	178	106	284	8,700	1,437	12,107	13,944	26,339	20	106	162	138
-	650	1,356	1,442	925	885	4,468	-	-	-	-	83	81	146	229	123	13	13	11	-
-	182	2,305	2,197	1,827	1,481	7,792	-	-	-	-	-	-	-	-	-	-	-	-	-
4,007	6,347	24,307	24,913	35,514	21,399	116,402	-	-	-	-	71	5,469	5,546	2,614	8,034	87	12	24	124
1,250	3,390	3,236	3,650	3,765	3,850	19,535	-	-	-	-	1,756	2,071	3,827	3,979	7,806	113	123	98	98
149	136	648	80	106	71	1,134	-	-	-	-	-	-	-	-	-	-	-	-	-
870	15,147	-	-	-	-	16,017	-	457	252	709	6,140	3,470	9,610	3,732	14,051	81	63	88	88
-	1,807	-	-	-	-	3,808	-	-	-	-	2,002	1,933	3,253	3,838	-	-	-	-	
31,509	150,447	146,324	119,400	126,318	110,409	694,407	3,787	17,671	1,772	23,230	168,251	48,383	157,514	146,555	327,157	74	83	100	92
-	58	280	280	280	280	1,178	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	24	12	6	42	-	-	-	-	183	-	183	611	794	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	10	10	2	12	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	296	537	308	365	321	1,827	-	-	-	-	-	-	-	277	277	-	-	-	-
-	-	2,191	2,931	3,657	3,657	12,436	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	256	628	385	233	1,509	-	-	-	-	-	-	150	150	-	-	-	-	-
-	-	695	4,892	4,099	5,469	13,155	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	4,997	4,997	4,997	4,911	19,904	-	-	-	-	-	-	-	-	-	-	-	-	-
-	65	1,089	681	544	272	2,651	-	-	-	-	75	14	89	1,675	1,764	137	154	23	24
-	-	380	2,763	2,730	1,560	7,898	-	-	-	-	-	-	-	-	-	-	-	-	-
-	9,857	15,819	20,866	23,173	23,451	93,168	-	-	-	-	5,199	5,199	25,776	30,975	-	-	-	-	-
-	10,276	27,142	36,337	40,202	40,100	154,117	-	-	-	-	258	5,223	5,481	29,631	35,512	53	109	94	94
-	-	284	17	17	14	332	-	-	-	-	4	8	12	12	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	58	18	18	18	-	-	-	-	-
-	-	3	3	4	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-
-	15	-	-	-	-	15	-	-	-	-	12	12	-	-	12	80	-	-	-
-	-	160	470	-	-	630	-	-	-	-	36	-	36	36	-	-	-	-	-
-	-	-	208	-	-	208	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	66	132	132	304	634	-	-	-	-	-	-	-	59	59	-	-	-	-
-	132	132	185	185	185	639	-	-	-	-	-	-	-	13	13	-	-	-	-
-	411	-	-	-	-	411	-	-	-	-	2	-	2	-	2	0	-	-	-
-	70	-	-	-	-	70	-	-	-	-	68	-	68	-	68	31	-	-	-
-	-	-	-	-	-	-	-	-	-	-	22	-	22	-	22	-	-	-	-
-	251	-	-	-	-	251	-	-	-	-	32	32	32	32	-	-	-	-	-
-	282	-	282	183	110	857	-	-	-	-	386	386	386	386	130	130	-	-	-
-	-	-	-	-	-	-	-	-	-	-	37	-	37	-	37	-	-	-	-
-	-	125	-	-	-	125	-	-	-	-	13	13	13	160	172	10	-	-	-
-	211	-	-	-	-	211	-	-	-	-	442	-	442	78	78	209	-	-	-
15	1,642	1,032	761	921	445	4,416	68	14	80	958	310	1,043	910	1,413	533	62	30	51	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	1	207	1	1	210	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	157	-	-	-	157	-	-	-	-	-	-	-	1,035	1,035	88	669	659	659
-	-	158	207	1	1	369	-	-	-	-	-	-	-	1,035	1,035	685	655	655	655
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	212	3,555	15,772	12,306	12,654	44,499	-	-	-	-	-	-	-	-	-	-	-	-	-
-	212	3,555	20,404	20,231	77,072	117,476	-	-	-	-	-	-	-	-	-	-	-	-	-
46,902	203,908	207,859	214,623	216,442	259,060	1,146,121	14,729	19,239	1,817	35,785	161,622	57,443	219,066	253,431	508,281	78	108	122	111
-	-	570	-	-	-	570	-	-	-	-	-	-	-	-	-	-	-	-	-
-	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
145	-	-	-	-	-	145	724	-	-	724	73	-	73	73	499	2,433	-	-	-
506	42	42	-	-	-	590	-	-	-	18	3	21	85	106	-	-	-	-	-
510	-	-	-	-	-	510	1,661	-	-	1,661	-	-	1,661	326	326	-	-	-	-
1,054	1,054	-	-	-	-	2,108	1,054	-	-	1,054	-	-	1,054	100	100	-	-	-	-
2,216	48	612	-	-	-	2,876	3,440	-	-	3,440	91	3	94	85	3,619	155	208	14	126
3,275	1,532	1,532	-	-	-	7,839	2,256	-	-	2,256	-	-	2,256	69	69	-	-	-	-
4,129	3,302	5,343	4,518	3,977	3,168	24,437	2,000	383	-	2,383	-	-	2,383	58	58	-	-	-	-
446	-	-	-	-	-	446	3,301	25	-	3,326	-	-	3,326	671	671	-	-	-	-
44,879	21,883	17,337	17,490	18,253	18,979	138,821	47,546	1,295	-	48,841	-	-	48,841	109	109	-	-	-	-
2,507	-	-	-	-	-	2,507	2,263	508	-	2,771	-	-	2,771	111	111	-	-	-	-
55,256	26,717	24,212	23,540	22,230	22,147	174,102	57,166	2,211	4	59,381	-	-	59,381	107	107	-	-	-	-
6,713	-	-	-	-	-	6,713	6,296	4,176	-	10,472	-	-	10,472	156	156	-	-	-	-
110,663	540	1,297	700	367	307	113,874	122,480	10,059	2,869	135,408	-	-	135,408	122	-	-	-	-	-
12,983	392	317	328	306	333	14,669	13,676	-	-	4,828	8,848	-	8,848	68	68	-	-	-	-
11,948	-	-	-	-	-	11,948	9,656	13,036	-	22,692	-	-	22,692	130	130	-	-	-	-
451	451	1	1	1	1	1,805	471	115	-	586	-	-	586	130	130	-	-	-	-
142,762	932	1,615	1,029	974	641	147,653	152,583	27,388	-	1,959	178,010	-	-	178,010	125	-	-	-	-
27,242	5,661	7,163	17,159	5,984	3,958	67,167	17,026	10,540	789	28,355	-	-	28,355	104	-	-	-	-	-
8,245	-	-	-	-	-	8,245	9,370	-	-	9,370	-	-	9,370	114	114	-	-	-	-
35,487	5,661	7,163	17,159	5,984	3,958	75,412	26,396	10,540	789	37,725	-	-	37,725	106	-	-	-	-	-
2,048	-	-	-	-	-	2,048	2,225	477	-	2,702	-	-	2,702	132	132	-	-	-	-
2,048	-	-	-	-	-	2,048	2,225	477	-	2,702	-	-	2,702	132	132	-	-	-	-
623	-	-	-	-	-	623	623	-	-	623	-	-	623	100	1				

2017 Final Verified Annual LDC CDM Program Results Report

Methodology

General

All results are at the end-user level, i.e. not including losses as a result transmission and distribution lines.

2015 results are based on projects completed between January 1, 2015 and December 31, 2015; 2016 results are based on projects completed between January 1, 2016 and December 31, 2016; and 2017 results are based on projects completed between January 1, 2017 and December 31, 2017.

The 2015 verified results considers projects reported to the IESO between January 1, 2015 and March 31, 2016; the 2016 verified results considers projects reported to the IESO between April 1, 2016 and April 15, 2017; the 2017 verified results considers projects reported to the IESO between April 16, 2017 and April 15, 2018.

Legacy Framework results are based on projects begun prior to an LDC's transition to the Conservation First Framework program and completed by December 31, 2015. Conservation First Framework results are based on projects begun on or after an LDC's transition to the Conservation First Framework program and projects transitioned to the Conservation First Framework through a valid Extension Agreement for eligible Programs.

Savings Calculations

#	Project Type	Attributing Savings to LDCs
1	Prescriptive Measures and Projects Programs	<p>Gross Reported Savings = Activity * Per Unit Assumption Savings</p> <p>Gross Verified Savings = Gross Reported Savings * Realization Rate</p> <p>Net Verified Savings = Gross Verified Savings * Net-to-Gross Ratio</p> <p>All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)</p>
2	Engineered and Custom Projects / Programs	<p>Gross Reported Savings = Reported Savings</p> <p>Gross Verified Savings = Gross Reported Savings * Realization Rate</p> <p>Net Verified Savings = Gross Verified Savings * Net-to-Gross Ratio</p> <p>All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)</p>
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 2017 IESO Reporting Period: 1) program savings; and 2) Participant Incentives; associated with a 2017 completed project, as well as 3) Administrative Expenses; then: a) the savings; b) expenditures; and c) corresponding cost effectiveness; are attributed to the 2017 program year.

However if the same is reported in or after the January 2018 IESO Reporting Period: only the i) the savings and ii) costs for the purposes of Cost Effectiveness Test calculations will be attributed to the 2017 program year; The expenditures for the purposes of spending reporting (in the Monthly Participation & Cost Report and this Verified Annual LDC CDM Program Results Report) will be allocated to the 2018 program year and will not appear.

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, 2018	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings 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.
2	Save on Energy Instant Discount Program	Results are allocated based on Consumer Program Allocation Reference Table.	April 15, 2018	Savings are considered to begin in the year in which the event occurred.	
3	Save on Energy Heating & Cooling Program	Results directly attributed to LDC based on customer applications and postal code.	April 15, 2018	Savings are considered to begin in the year that the installation occurred.	
4	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in LDC Report	April 15, 2018	Savings are considered to begin in the year of the project completion date.	
5	Save on Energy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the measures were installed.	
6	Save on Energy Audit Funding Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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).
7	Save on Energy Retrofit Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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 ICDN 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).
8	Save on Energy Small Business Lighting Program	Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2018	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 spillover for both peak demand and energy savings at the program level (net).
9	Save on Energy High Performance New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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. Preliminary unverified net savings are calculated by multiplying reported savings by 2016 Net-to-gross ratios and realization rates.
10	Save on Energy Existing Building Commissioning Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	
11	Save on Energy Business Refrigeration Incentive Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	
12	Save on Energy Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the project was in-service.	
13	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the project was completed by the energy manager.	Peak demand and energy savings are determined by the total savings 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).
14	Save on Energy Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings 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).

2011-2014+2015 Extension Legacy Framework

#	Initiative	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings
1	saveONenergy Appliance Retirement Initiative	2015 Results only. 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.	April 15, 2018	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings 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.
2	saveONenergy Conservation Instant Coupon Booklet	2015 Results only. LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	April 15, 2018	Savings are considered to begin in the year in which the coupon was redeemed.	
3	saveONenergy Bi-Annual Retailer Event	2015 Results only. Results are allocated based on average of 2008 & 2009 residential throughput.	April 15, 2018	Savings are considered to begin in the year in which the event occurs.	
4	saveONenergy HVAC Incentives	2015 Results only. Results directly attributed to LDC based on customer applications and postal code.	April 15, 2018	Savings are considered to begin in the year that the installation occurred.	

5	saveONenergy Residential New Construction	2015 Results only. Results are directly attributed to LDC based on LDC identified in application in the iCon system.	April 15, 2018	Savings are considered to begin in the year of the project completion date.	
6	saveONenergy Energy Audit	2015 Results only. Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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).
7	saveONenergy Efficiency: Equipment Replacement	2015 Results only. Results are directly attributed to LDC based on LDC identified at the 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 Building type to Sector mapping.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date in the iCON system.	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&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). 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 2015)
8	saveONenergy Direct Installed Lighting	2015 Results only. Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2018	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 spillover for both peak demand and energy savings at the program level (net).
9	saveONenergy New Construction and Major Renovation Incentive	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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 (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 take into account net-to-gross factors such as free-ridership and spillover (net).
10	saveONenergy Existing Building Commissioning Incentive	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018		
11	saveONenergy Process & System Upgrades	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings 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 take into account net-to-gross factors such as free-ridership and spillover (net).
12	saveONenergy Energy Manager	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	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.	Peak demand and energy savings 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.
13	saveONenergy Monitoring & Targeting	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	
14	saveONenergy Home Assistance Program	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the measures were installed.	
15	Aboriginal Conservation Program	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018		
16	Program Enabled Savings	2015 Results only.	April 15, 2018		

2017 Final Verified Annual LDC CDM Program Results Report

Consumer Program Allocation Reference Table

#	Local Distribution Company	Allocation (%)
1	Alectra Utilities Corporation	19.77
2	Algoma Power Inc.	0.18
3	Atikokan Hydro Inc.	0.02
4	Attawapiskat Power Corporation	0.01
5	Bluewater Power Distribution Corporation	0.62
6	Brantford Power Inc.	0.67
7	Burlington Hydro Inc.	1.34
8	Canadian Niagara Power Inc.	0.35
9	Centre Wellington Hydro Ltd.	0.11
10	Chapleau Public Utilities Corporation	0.03
11	COLLUS PowerStream Corp.	0.25
12	Cooperative Hydro Embrun Inc.	0.06
13	E.L.K. Energy Inc.	0.25
14	Energy+ Inc.	1.12
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
26	Halton Hills Hydro Inc.	0.59
27	Hearst Power Distribution Company Limited	0.05
28	Hydro 2000 Inc.	0.04
29	Hydro Hawkesbury Inc.	0.15
30	Hydro One Networks Inc.	27.29
31	Hydro Ottawa Limited	6.61
32	InnPower Corporation	0.33
33	Kashechewan Power Corporation	0.02
34	Kenora Hydro Electric Corporation Ltd.	0.09
35	Kingston Hydro Corporation	0.29
36	Kitchener-Wilmot Hydro Inc.	1.51
37	Lakefront Utilities Inc.	0.11
38	Lakeland Power Distribution Ltd.	0.23
39	London Hydro Inc.	2.61
40	Midland Power Utility Corporation	0.10
41	Milton Hydro Distribution Inc.	0.66
42	Newmarket-Tay Power Distribution Ltd.	0.60
43	Niagara Peninsula Energy Inc.	0.82
44	Niagara-on-the-Lake Hydro Inc.	0.13

45	North Bay Hydro Distribution Limited	0.42
46	Northern Ontario Wires Inc.	0.09
47	Oakville Hydro Electricity Distribution Inc.	1.51
48	Orangeville Hydro Limited	0.20
49	Orillia Power Distribution Corporation	0.22
50	Oshawa PUC Networks Inc.	1.48
51	Ottawa River Power Corporation	0.12
52	Peterborough Distribution Incorporated	0.46
53	PUC Distribution Inc.	0.65
54	Renfrew Hydro Inc.	0.05
55	Rideau St. Lawrence Distribution Inc.	0.07
56	Sioux Lookout Hydro Inc.	0.08
57	St. Thomas Energy Inc.	0.28
58	Thunder Bay Hydro Electricity Distribution Inc.	0.82
59	Tillsonburg Hydro Inc.	0.12
60	Toronto Hydro-Electric System Limited	15.57
61	Veridian Connections Inc.	2.39
62	Wasaga Distribution Inc.	0.18
63	Waterloo North Hydro Inc.	0.96
64	Welland Hydro-Electric System Corp.	0.31
65	Wellington North Power Inc.	0.06
66	West Coast Huron Energy Inc.	0.06
67	Westario Power Inc.	0.37
68	Whitby Hydro Electric Corporation	1.12
Total		100.00

2017 Final Verified 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 Verified 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		
6	2011-2014+2015 Extension Legacy Framework	Programs in market from 2011-2015 resulting from the April 23, 2010 GEA CDM Ministerial Directive and funded separately from 2015-2020 Conservation First Framework Programs but whose savings in 2015 are attributed towards the 2015-2020 Conservation First Framework target.
7	2015-2020 Conservation First Framework	Programs in market from 2015-2020 resulting from the March 31, 2014 CFF 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 from LDC CDM Plan Budgets that the IESO maintains to support LDC led program design and 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 First Framework.

11	Province-Wide Program	Programs available to all LDCs to deliver and that are consistent across the province.
12	Regional Program	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 Extension Legacy Framework.

Activity Terms

16	Participation	A measure of the level of program participation, such as number of projects, homes, equipment, etc..
17	Unit of Measure	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; audits performed; or projects completed;).

Savings Terms

18	Energy Savings	Energy savings attributable to conservation and demand management activities.
19	Peak Demand Savings	Peak Demand savings attributable to conservation and demand management 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 years).
23	Gross Savings	The energy or peak demand savings that have been reported based on a conservation and demand management program's participation tracking.
24	Net Savings	The energy or peak demand savings attributable to conservation and demand management activities, net of free-riders, spillover, etc.
25	Realization Rate	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 demand savings; etc.
26	Net-to-Gross Adjustment	The ratio of net savings to gross savings, which takes into account factors such as free-ridership, spillover, etc.
27	Free-ridership	The percentage of participants who would have implemented the program measure or practice in the absence of the program.
28	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.
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 Administrative Expense and IESO Value Added Services Cost.
34	Delivery Cost	<p>The sum of Total Administrative Expenses and Participant Incentives.</p> <p>All costs are presented based on the period reported by LDCs to the IESO, not necessarily associated with reported activity.</p> <p>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.</p> <p>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;</p>
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 by the program administrator, including incentive costs and excluding net costs incurred by the participant.
38	Levelized Unit Energy Cost Cost Effectiveness Test	A cost effectiveness test that normalizes the costs incurred by the program administrator per unit of energy or demand reduced.

**ATTACHMENT 56
FINAL VERIFIED 2017 CDM
PROGRAM RESULTS REPORT
GUELPH**

2017 Final Verified Annual LDC CDM Program Results Report

Letter from the Vice-President, Policy, Engagement & Innovation

June 29, 2018

To: Ontario's Local Distribution Companies

At the mid-way point of the Conservation First Framework (CFF) Ontario's Local Distribution Companies (LDCs) along with the IESO have shown significant progress towards the 2020 CFF 7.0 TWh target. The province has achieved 1.8 TWh of persisting energy savings in 2017, the highest performing year on record. Approximately 20% (\$364M) of the allocated \$1.835B CFF LDC Conservation Demand Management (CDM) budget was accounted for in 2017. From 2015, LDCs have achieved 4.8 TWh of energy savings, representing 69% of the CFF 7.0 TWh target. The savings realized to date demonstrate the significant efforts made by LDCs and the IESO in delivering and promoting conservation programs across the province.

Key highlights from the 2017 results include:

- The share of residential portfolio savings increased for the third consecutive year, accounting for 46% of 2017 results, while the business portfolio program contributed to 45%, and local/pilot/centrally delivered programs accounting for 9% of 2017 savings.
- The Coupon & Instant Discount residential retail program produced a record achievement of 740 GWh of persisting energy savings, increasing by over 53% of the results from 2016. LED light bulbs remained the most common measure accounting 91% of savings.
- The Retrofit program achieved 663 GWh of persisting energy savings in 2017, which represents a small reduction in savings despite completing approximately half the number projects compared to 2016 results (including adjustments). Lighting continues to represent the majority of results, representing 79% of savings in 2017.
- The Process and Systems Upgrades Program achieved 15 GWh in 2017, but also verified an additional 65 GWh in 2016 completed projects and 11 GWh in 2015 completed projects as part of this year's evaluation. Behind-the-meter generation projects account for 82% of program savings-to-date.
 - o The data lag associated with unreported (yet completed) 2017 projects for the Retrofit and Process and Systems Upgrade programs remain an ongoing challenge. Together with the Heating & Cooling program, these programs have approximately 723 GWh in unverified savings yet to be reported by LDCs for which is anticipated to be reported a future verified annual results reports as 2017 adjustments.

Minor revisions were made to the final 2017 results relative to the preliminary 2017 results issued to LDCs on June 1, 2018. Details on the revisions between the 2017 preliminary and final verified results can be found in the 2017 Frequently Asked Questions (FAQs) along with key 2017 evaluation findings and province-wide and local program cost effectiveness test results posted alongside LDC results.

Consistent with prior year evaluation cycles, all 2017 final verified annual results reports will be posted on the IESO website in early July. LDC-specific cost effectiveness test results (program- and portfolio-level) will be available by September 15, 2017. Finally, 2017 EM&V reports will be available later this summer along with key program recommendations to be shared with the Joint Program Operations Committee (JPOC) and associated committees.

I look forward to the continued collaboration with LDCs and stakeholders building off lessons learned and implementing feedback from the mid-term review process to enhance current programs and future efforts.

Sincerely,

Terry Young
Vice-President, Policy, Engagement & Innovation
Independent Electricity System Operator

2017 Final Verified 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	<p>A high level summary of the Final 2017 Annual Verified Results Report, including:</p> <ol style="list-style-type: none"> 1) progress toward the LDC's: <ol style="list-style-type: none"> a) Allocated 2020 Annual 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: <ol style="list-style-type: none"> a) contribution to 2020 Target Achievement by program; b) 2017 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; and e) your LDC CDM Plan Budget Spending 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	<p>A comprehensive report of 2017 conservation results including:</p> <ol style="list-style-type: none"> 1) activity; 2) savings including: <ol style="list-style-type: none"> a) energy and peak demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target achievement; and 3) spending, including participant incentives and administrative expenses and IESO Value Added Services Costs. <p>Data is grouped by category and summarized at the LDC level.</p>
5	Province-Wide Progress	<p>A comprehensive report of 2016 conservation results including:</p> <ol style="list-style-type: none"> 1) activity; 2) savings including: <ol style="list-style-type: none"> a) energy and peak demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target achievement; and 3) spending, including participant incentives and administrative expenses and IESO Value Added Services Costs. <p>Data is grouped by category and summarized at the province wide level.</p>
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, 2016, 2016 Adjustment and 2017) at the LDC Level.
7	Province-Wide Savings Persistence	A report detailing the gross and net energy and peak demand savings persistence by program and implementation year (2015, 2015 Adjustment, 2016, 2016 Adjustment and 2017) 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.

2017 Final Verified Annual LDC CDM Program Results Report

How to Use this Report

The IESO is pleased to provide you with the 2017 Final Verified Annual LDC CDM Program 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 2017, 2016 including adjustments, and 2015 including 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.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
AE	AI	BG	BE	CF	CE	DE	DI	EE	EF	GG	GF	GB	GG	GN	GN	GH	GH	HI	HI	HY	HY	IK	IK	IZ	IZ	JY	JY	KX	KX	LW	LW	LV	LV	MV	MV	NK	NK	NZ	NZ	DA				
Participant Group	Incremental 2020 Annual Energy Savings	Net 2020 Annual Energy Savings	Incremental First Year Energy Savings	Net First Year Energy Savings	Incremental First Year Peak Demand Savings	Net First Year Peak Demand Savings	Net Net Adjustment Energy	Net Net Adjustment Peak Demand	Incremental Rate Energy	Net Net Rate Energy	Incremental Rate Peak Demand	Net Net Rate Peak Demand	Incremental First Year Energy Savings	Net First Year Energy Savings	Incremental First Year Peak Demand Savings	Net First Year Peak Demand Savings	Participant Incentive Spending	LDC Administrative Expense Spending	IESO Value Added Services Provider Cost / Variable Program Cost Administrative Expense Spending	Total Administrative Expense Spending	Total 2020 CDM Plan Budget Spending	Spending Group																						
Progress Report																																												
For: Province Wide																																												
Programs																																												
2015-2020 Conservation Plan Framework Programs																																												
Residential Province-Wide Programs																																												
1. Save on Energy Coupon Program																																												
2. Save on Energy Efficient Lighting Program																																												
3. Save on Energy Heating & Cooling Program																																												
4. Save on Energy New Construction Program																																												
5. Save on Energy Home Maintenance Program																																												
Subtotal: Residential Province-Wide Programs																																												
Business Province-Wide Programs																																												
6. Save on Energy Audit Program																																												
7. Save on Energy Retrofit Program																																												
8. Save on Energy Small Business Lighting Program																																												
9. Save on Energy High Performance New Construction Program																																												
10. Save on Energy Existing Building Commissioning Program																																												
11. Save on Energy Business Refrigeration Incentive Program																																												
12. Save on Energy Process & Systems Upgrades Program																																												
13. Save on Energy Energy Manager Program																																												
14. Save on Energy Monitoring & Targeting Program																																												
15. Save on Energy Retrofit Program - P&P																																												
16. Save on Energy Process & Systems Upgrades Program - P&P																																												
Subtotal: Business Province-Wide Programs																																												
Local & Regional Programs																																												
17. Alternative Therapeutics Local Program																																												
18. Business Refrigeration Incentive Local Program																																												
19. Conservation on the Coast Home Appliances Local Program																																												
20. Conservation on the Coast Small Business Lighting Local Program																																												
21. Fleet National Green Vehicle Local Program																																												
22. High Efficiency Agricultural Pumping Local Program																																												
23. Incentive Savings Local Program																																												
24. Operator Local Program																																												
25. Fuel Efficient Local Program																																												
26. Fuel/Pump Local Program																																												
27. Offshore Local Program																																												
28. Social Benchmarking Local Program																																												
Subtotal: Local & Regional Programs																																												
LDC Innovation Fund Pilot Programs																																												
29. Air Source Heat Pump - For Residential Space Heating LDC Inno																																												
30. Air Source Heat Pump - For Residential Space Heating LDC Inno																																												

Please note:

- 1) Cost Effectiveness Test (CET) results at the: a) province-wide / program level is available and posted separately on LDC Extranet; b) LDC / program level will be available on the LDC Extranet by September 15, 2018; 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 December 31, 2017 (from the i) Program Design; ii) Budget Inputs; and iii) Savings Results worksheets);
- 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 December 31, 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) 2017 Verified Adjustments to prior years consists of projects completed in the associated year but were not reported to the IESO by previous year's reporting deadlines (March 31, 2016 and April 15, 2017);
- 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;

2017 Final Verified Annual LDC CDM Program Results Report Summary

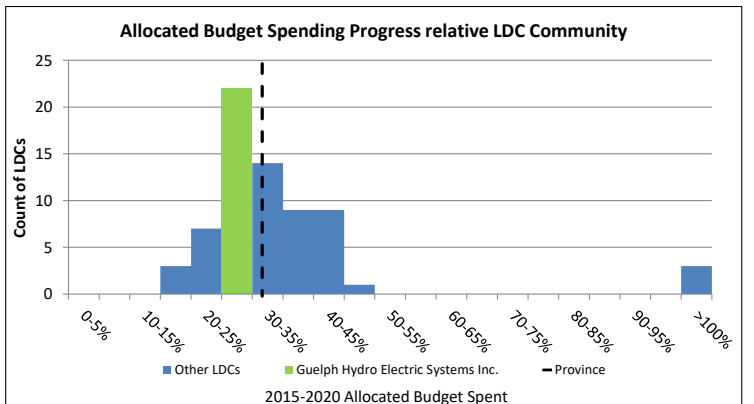
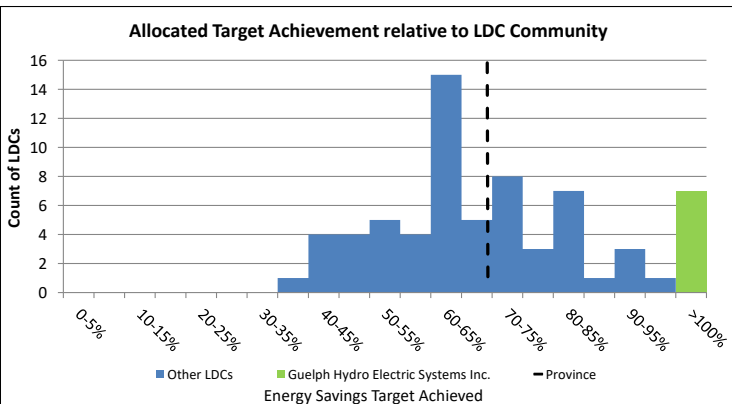
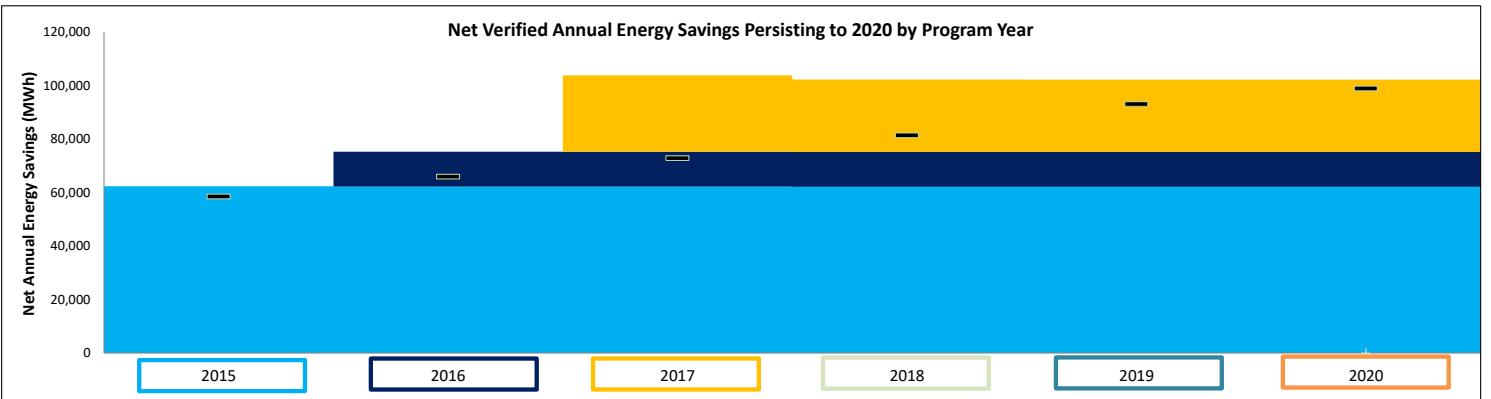
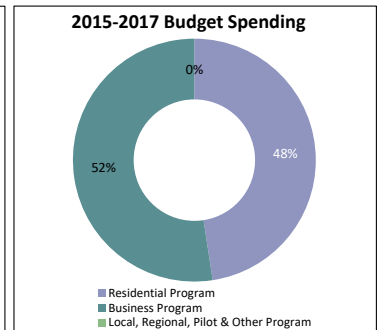
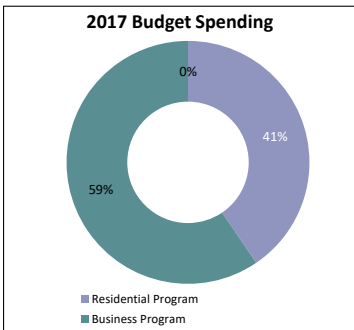
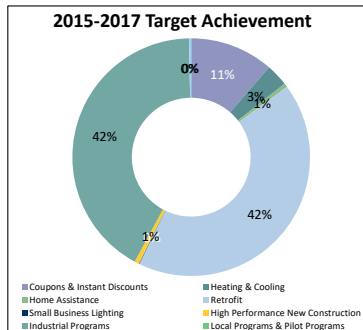
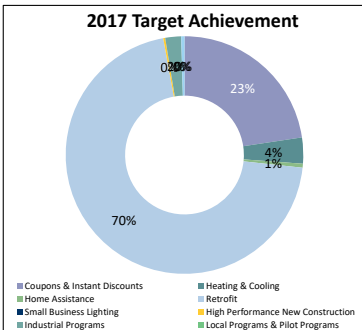
For: Guelph Hydro Electric Systems Inc.

Results

#	Metric	2015 Verified Results	2016 Verified Results	2017 Verified Results	2015-2017 Verified Results	Allocated Target / Budget	2015-2017 Progress versus Allocated Target / Budget	2015-2020 LDC CDM Plan Forecast	2015-2017 Progress versus 2015-2020 LDC CDM Plan Forecast	2017 LDC CDM Plan Forecast	2017 Progress versus 2017 LDC CDM Plan Forecast	2015-2017 LDC CDM Plan Forecast	2015-2017 Progress versus 2015-2017 LDC CDM Plan Forecast
1	Net Verified Annual Energy Savings Persisting to 2020	62,139 MWh	13,067 MWh	27,027 MWh	102,233 MWh	99,040 MWh	103 %	99,032 MWh	103 %	6,923 MWh	390 %	72,969 MWh	140 %
2	LDC Ranking - Net Verified Annual Energy Savings Persisting to 2020	6	17	11	7	10	7	11	4	24	2	8	21
3	Total Spending (\$)	\$ 381,506	\$ 1,377,942	\$ 4,576,979	\$ 6,336,427	\$ 24,920,625	25 %	\$ 24,914,810	25 %	\$ 4,984,747	92 %	\$ 9,924,301	64 %
4	LDC Ranking - Total Spending (\$)	9	22	12	12	11	56	9	54	12	37	10	60

Annual FCR Progress

#	Metric	2015 Program Year	2016 Program Year	2017 Program Year	Total 2015-2017 Framework-to-Date
1	Net Verified 2020 Annual Energy Savings from Full Cost Recovery Programs	3,031 MWh	13,066 MWh	26,330 MWh	42,427 MWh
2	CDM Plan Forecast Net 2020 Annual Energy Savings from Full Cost Recovery Programs	969 MWh	7,463 MWh <i>(2015 Annual Milestone from FCR Programs)</i>	6,807 MWh <i>(2017 Annual Milestone from FCR Programs)</i>	15,239 MWh <i>(Cumulative FCR Milestone)</i>
FCR Progress					278.4 %



2017 Final Verified Annual LDC CDM Program Results Report

LDC Rankings

#	LDC	Net Verified Annual Energy Savings Persisting to 2020																							
		2015 Verified 2015 Savings		2016 Verified 2016 Adjustment Savings		2017 Verified 2017 Adjustment Savings		Total Verified 2015 Savings		2016 Verified 2016 Savings		2017 Verified 2017 Adjustment Savings		Total Verified 2016 Savings		2017 Verified 2017 Savings		Total Verified 2015-2017 Savings		Allocated Savings Target		2017 Progress Savings versus Allocated Savings Target		2015-2017 Progress Savings versus Allocated Savings Target	
		Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (%)	LDC Ranking (#)
1	Alectra Utilities Corporation	236,507,877	1	49,683,641	4	7,876,715	4	294,068,233	2	270,546,686	1	66,822,298	2	337,368,984	2	366,739,097	2	998,176,314	1	1,604,550,000	1	23	48	62	44
2	Algoma Power Inc.	1,031,011	54	25,818	58	20,451	43	1,077,279	55	1,285,402	49	142,557	54	1,427,959	52	2,232,142	47	4,737,380	52	7,510,000	51	30	14	63	40
3	Atikokan Hydro Inc.	109,769	64	2,444	66	2,898	50	115,111	64	189,357	65	26,791	65	216,148	64	369,238	63	700,497	64	1,140,000	64	32	6	61	47
4	Attawapiskat Power Corporation	35,822	67	2,343	67	0	59	38,165	67	0	66	151,932	52	151,932	67	81,504	67	271,601	67	510,000	67	16	62	53	57
5	Bluewater Power Distribution Corporation	7,755,327	18	268,687	42	104,044	24	8,128,057	27	5,570,598	25	3,159,895	15	8,730,493	24	9,473,952	24	26,332,502	24	62,370,000	17	15	64	42	65
6	Brantford Power Inc.	7,457,011	19	1,458,523	21	394,168	19	9,309,702	23	10,499,455	16	1,578,380	27	12,077,835	18	15,051,712	17	36,439,249	18	54,320,000	19	28	21	67	33
7	Burlington Hydro Inc.	12,632,309	15	1,975,945	18	56,494	36	14,664,748	18	11,531,861	12	8,290,897	7	19,822,758	10	27,467,720	9	61,955,226	13	99,040,000	10	28	20	63	42
8	Canadian Niagara Power Inc.	3,502,396	34	5,579,808	8	7,296	45	9,089,500	24	5,553,280	26	2,368,147	18	7,921,427	26	6,976,358	32	23,987,285	27	28,480,000	29	24	38	84	13
9	Central Wellington Hydro Ltd.	1,581,029	50	109,971	50	-8,233	63	1,682,766	50	1,548,975	47	275,615	47	1,824,590	47	2,651,910	45	6,159,267	48	8,730,000	47	30	12	71	30
10	Chapleau Public Utilities Corporation	275,333	61	3,485	64	106	53	278,924	61	191,711	64	20,153	67	211,864	65	208,141	65	698,929	65	1,050,000	65	20	53	67	34
11	COLLUS PowerStream Corp.	1,637,947	48	385,929	36	-65,914	68	1,957,962	49	2,194,349	41	334,254	45	2,528,603	41	7,144,137	31	11,630,702	36	16,860,000	36	42	3	69	32
12	Cooperative Hydro Embrun Inc.	120,443	63	19,234	59	-776	58	138,901	63	730,806	54	37,973	62	768,779	55	473,278	62	1,380,958	62	1,790,000	62	26	30	77	21
13	E.L.K. Energy Inc.	1,662,553	46	583,829	32	-6,311	62	2,240,051	44	1,963,393	45	170,870	50	2,134,263	46	2,282,262	46	6,656,576	47	16,200,000	38	14	67	41	66
14	Energy+ Inc.	17,245,241	10	60,025,983	3	2,174,426	9	79,445,650	4	14,252,795	9	3,201,967	14	17,454,762	12	30,417,739	8	127,318,151	5	100,950,000	9	30	13	126	3
15	Entegris Powerlines Inc.	38,558,192	6	3,536,019	9	46,251	39	42,140,462	7	14,186,934	10	2,296,797	20	16,483,731	13	15,073,023	16	73,697,216	11	76,830,000	14	20	54	96	8
16	EnWin Utilities Ltd.	14,809,440	12	2,675,379	13	1,566,699	12	19,051,518	13	29,365,888	6	5,610,271	9	34,976,159	6	26,944,422	12	80,972,099	10	151,300,000	7	18	58	54	56
17	Erie Thames Powerlines Corporation	5,180,177	24	922,335	28	2,325,032	8	8,427,543	26	2,555,215	37	1,613,301	26	4,168,516	35	7,616,612	28	20,212,671	30	27,630,000	30	28	22	73	27
18	Espanola Regional Hydro Distribution Corporation	502,006	58	14,537	60	-1,644	60	514,899	59	339,978	62	33,488	63	373,466	62	1,047,355	56	1,935,720	60	2,410,000	61	43	2	80	19
19	Essex Powerlines Corporation	3,819,710	33	1,720,380	20	10,710,254	1	16,250,344	15	7,059,017	23	3,038,974	26	10,697,991	23	7,311,455	30	33,659,790	27	31,430,000	27	23	45	107	5
20	Festival Hydro Inc.	4,822,853	27	2,088,958	17	1,835,063	10	8,746,874	25	9,417,074	25	1,210,205	22	11,587,279	20	8,535,424	25	28,869,577	23	34,650,000	25	25	37	83	15
21	Fort Albany Power Corporation	29,906	68	1,956	68	0	54	31,862	68	0	66	120,880	56	120,880	68	90,196	66	242,938	68	340,000	68	27	28	71	29
22	Fort Frances Power Corporation	254,688	62	11,215	61	356	52	266,259	62	553,935	57	56,523	60	610,458	58	1,091,188	54	1,967,905	59	4,000,000	58	27	25	49	60
23	Greater Sudbury Hydro Inc.	6,959,582	20	3,147,790	11	81,244	32	10,182,616	21	9,312,088	19	1,250,155	31	10,562,243	22	10,590,038	21	31,334,897	22	34,740,000	24	30	11	90	11
24	Grimsbay Power Incorporated	2,804,724	37	319,119	38	46,384	38	3,170,227	37	2,159,053	42	605,127	36	2,764,180	38	2,122,570	48	8,056,977	42	10,850,000	45	20	55	74	24
25	Gulph Hydro Electric Systems Inc.	58,594,547	4	2,215,864	16	1,328,823	14	62,139,234	6	8,394,053	21	4,672,631	11	13,066,684	17	27,027,155	11	102,233,072	7	99,040,000	10	27	24	103	7
26	Halton Hills Hydro Inc.	5,500,566	22	212,955	46	95,775	31	5,809,296	29	4,755,591	29	1,505,241	28	6,260,832	28	7,513,017	29	19,583,145	31	30,940,000	28	24	40	63	38
27	Hearst Power Distribution Company Limited	1,510,384	51	985,005	27	78,100	33	2,573,490	40	2,417,972	39	106,213	68	2,311,759	44	652,226	61	5,537,474	50	3,180,000	60	21	52	174	1
28	Hydro 2000 Inc.	80,683	65	3,633	63	721	51	85,037	65	257,570	63	26,581	66	284,331	63	343,324	64	712,692	63	1,360,000	63	25	36	52	59
29	Hydro Hawkesbury Inc.	1,162,440	53	26,255	57	26,838	42	1,215,533	54	1,339,759	48	144,888	53	1,484,647	51	2,069,510	49	4,769,690	51	7,920,000	50	26	32	60	50
30	Hydro One Networks Inc.	220,487,100	2	89,902,682	1	5,797,134	5	316,186,916	1	208,374,078	1	53,798,601	3	262,172,679	3	408,305,696	1	986,665,291	2	1,220,690,000	3	33	5	81	18
31	Hydro Ottawa Limited	57,247,836	5	15,553,929	5	4,963,240	6	77,765,005	5	59,247,505	4	30,703,383	4	89,950,888	4	108,371,101	4	276,086,993	4	394,540,000	4	27	23	70	31
32	InnPower Corporation	1,850,172	44	132,220	49	-20,275	65	1,962,117	48	2,561,285	36	1,912,925	24	4,474,210	32	3,129,955	43	9,566,282	41	13,010,000	41	24	42	74	25
33	Kashechewan Power Corporation	40,200	66	2,629	65	0	54	42,829	66	0	66	159,333	51	159,333	66	76,438	68	278,600	66	520,000	66	15	65	54	55
34	Kenora Hydro Electric Corporation Ltd.	1,606,080	49	65,793	53	6,233	46	1,678,196	51	552,901	58	138,524	55	691,425	56	924,570	57	3,294,191	55	5,270,000	54	18	60	63	43
35	Kingston Hydro Corporation	4,445,966	29	1,046,947	25	-41,123	67	5,451,790	32	2,580,410	35	1,656,278	25	4,236,688	34	9,588,664	23	19,277,143	32	34,500,000	26	28	18	56	53
36	Kitchener-Willmot Hydro Inc.	21,865,242	8	2,654,908	14	1,471,693	13	25,991,843	9	14,184,542	11	8,210,790	8	22,395,32	7	39,768,619	6	88,155,794	8	105,710,000	8	38	4	83	14
37	Lakefront Utilities Inc.	2,239,136	41	280,605	41	-1,409	59	2,518,332	42	1,185,986	50	573,942	39	1,759,928	48	3,139,762	42	7,418,022	43	12,170,000	42	26	33	61	49
38	Lakeland Power Distribution Ltd.	4,432,710	30	708,780	30	264,688	20	5,406,177	33	2,495,021	38	204,036	49	2,699,057	40	3,643,045	38	11,748,279	35	15,770,000	39	23	47	74	23
39	Landon Hydro Inc.	28,534,591	7	3,454,236	10	1,673,470	11	33,662,297	8	31,824,871	5	11,767,982	6	43,592,853	5	47,337,598	5	124,592,748	6	196,660,000	5	24	41	63	37
40	Midland Power Utility Corporation	2,860,953	36	301,878	40	256,922	21	3,419,753	36	2,402,265	40	115,201	57	2,517,466	42	6,072,219	33	12,009,438	34	10,830,000	46	56	1	111	4
41	Milton Hydro Distribution Inc.	9,889,501	16	476,099	34	2,546,769	7	12,912,370	20	6,501,088	24	1,353,829	30	7,854,917	27	14,395,282	18	35,162,569	19	45,360,000	21	32	7	78	20
42	Newmarket-Tay Power Distribution Ltd.	8,218,024	17	840,996	29	709,531	16	9,768,551	22	4,962,518	28	410,328	42	5,372,846	29	8,179,406	27	23,320,803	29	36,240,000	23	23	49	64	36
43	Niagara Peninsula Energy Inc.	12,742,252	14	1,752,111	19	426,660	18	14,921,023	17	10,838,434	14	2,329,562	19	13,167,996	16	15,663,963	15	43,752,981	17	74,440,000	15	21	51	59	51
44	Niagara-on-the-Lake Hydro Inc.	2,598,018	39	369,192	37	96,276	30	3,063,486	38	3,401,852	33	586,267	38	3,988,119	36	3,445,058	40	10,496,663	38	11,680,000	43	29	16	90	12
45	North Bay Hydro Distribution Limited	4,245,690	32	12,427,153	7	-12,739	64	16,660,103	14	4,001,370	31	536,340	40	4,537,710	31	4,952,277	35	26,150,090	25	20,260,000	34	24	39	129	2
46	Northern Ontario Wires Inc.	509,731	57	38,057	54	173,815	24	721,603	57	907,761	53	786,827	33	1,694,588	49	1,159,432	52	3,575,623	54	4,310,000	56	27	27	83	16
47	Oakville Hydro Electricity Distribution Inc.	21,252,248	9	2,499,447	15	177,319	23	23,929,014																	

2015-2020 LDC CDM Plan Savings Forecast		2017 Progress versus 2015-2020 LDC CDM Plan Savings Forecast		2015-2017 Progress versus 2015-2020 LDC CDM Plan Savings Forecast		2017 LDC CDM Plan Savings Forecast		2017 Progress versus 2017 LDC CDM Plan Savings Forecast		2015-2017 LDC CDM Plan Savings Forecast		2015-2017 Progress versus 2015-2017 LDC CDM Plan Savings Forecast	
Value (kWh)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (kWh)	LDC Ranking (#)	Value (%)	LDC Ranking (#)
1,812,764,173	1	20	47	55	52	307,480,120	1	119	47	954,521,164	1	105	56
11,809,134	44	19	50	40	67	1,438,618	48	155	25	3,363,519	50	141	20
1,139,736	65	32	7	61	42	284,658	63	130	38	523,606	64	134	24
556,816	66	15	64	49	59	85,726	67	95	56	295,070	67	92	63
62,370,000	17	15	62	42	64	8,620,634	19	110	52	23,460,544	24	112	51
54,880,608	20	27	20	66	32	10,927,959	15	138	31	28,688,810	17	127	31
99,040,000	10	28	18	63	39	18,513,596	12	148	27	46,810,503	13	132	26
24,194,712	33	29	13	99	5	4,095,930	32	170	17	15,083,221	32	159	12
8,730,766	47	30	10	71	28	3,001,875	36	88	61	5,612,228	44	110	54
1,151,954	64	18	52	61	44	193,881	64	107	53	568,319	63	123	40
17,119,142	36	42	3	68	30	3,143,620	35	227	8	9,944,639	36	117	45
1,789,996	62	26	26	77	19	297,783	62	159	24	1,087,283	62	127	32
16,200,009	38	14	66	41	65	1,950,353	41	117	48	5,294,907	45	126	34
173,121,066	6	18	53	74	24	18,899,002	11	161	22	109,978,691	5	116	49
94,307,344	13	16	60	78	17	11,953,789	14	126	41	67,764,761	9	109	55
154,881,896	7	17	56	52	56	39,325,965	5	69	67	78,738,795	7	103	58
36,494,810	26	21	45	55	51	8,092,628	20	94	57	16,797,747	30	120	41
2,528,596	61	41	4	77	20	637,971	61	164	19	1,494,440	61	130	27
49,907,838	21	15	63	67	31	6,519,466	27	112	50	24,455,222	23	138	23
34,711,497	28	25	32	83	10	12,484,139	13	68	68	21,643,814	26	133	25
373,387	68	24	34	65	34	79,395	68	114	49	276,630	68	88	67
4,000,383	59	27	22	49	58	1,083,321	51	101	54	1,692,936	60	116	47
37,762,673	24	28	15	83	12	6,021,807	29	176	15	25,435,268	19	123	39
10,874,438	45	20	48	74	22	1,764,288	42	120	46	5,666,540	43	142	19
99,031,945	11	27	21	103	4	6,923,256	24	390	2	72,969,005	8	140	21
30,940,000	29	24	33	63	37	4,637,543	30	162	21	15,528,974	31	126	33
5,182,656	54	13	68	107	3	869,543	55	75	66	3,349,929	51	165	7
1,360,002	63	25	31	52	55	152,649	65	225	10	402,725	65	177	5
7,919,998	50	26	27	60	45	1,657,274	46	125	43	3,853,684	48	124	38
1,220,185,369	3	33	6	81	16	180,673,089	3	226	9	638,084,356	3	155	14
394,586,356	4	27	19	70	29	80,473,174	4	135	35	213,663,755	4	129	28
13,009,980	41	24	35	74	25	2,103,187	39	149	26	5,975,204	40	160	11
438,286	67	17	55	64	36	89,117	66	86	63	298,461	66	93	62
5,270,258	53	18	54	63	40	966,288	52	96	55	3,223,319	52	102	60
37,182,911	25	26	28	52	57	7,034,716	23	136	32	21,240,885	27	91	64
108,120,625	9	37	5	82	15	19,910,768	8	200	13	56,380,065	11	156	13
12,202,681	42	26	29	61	43	1,323,874	50	237	7	4,615,759	47	161	9
15,773,124	39	23	38	74	21	2,005,555	40	182	14	8,049,193	38	146	18
219,747,453	5	22	42	57	49	35,529,300	6	133	36	99,391,640	6	125	36
10,830,847	46	56	2	111	2	1,660,400	45	366	3	5,762,167	41	208	3
45,360,000	22	32	8	78	18	9,021,267	17	160	23	25,507,440	18	138	22
36,238,371	27	23	41	64	35	6,790,151	25	120	45	20,811,603	28	112	52
74,440,000	15	21	44	59	47	18,942,819	10	83	65	39,133,958	15	112	53
12,187,558	43	28	14	86	8	2,471,690	37	139	30	9,027,755	37	116	46
29,438,362	31	17	59	89	7	2,404,095	38	206	12	23,078,108	25	113	50
4,308,417	57	27	24	83	11	934,382	53	124	44	2,390,057	54	150	15
94,942,831	12	29	12	74	23	19,629,076	9	140	29	58,812,351	10	119	44
14,153,298	40	27	25	73	26	1,717,100	43	219	11	6,329,275	39	164	8
17,097,223	37	17	57	43	63	1,710,598	44	170	16	4,987,831	46	148	17
73,010,000	16	32	9	72	27	6,553,951	26	352	4	30,753,766	16	170	6
8,720,046	48	23	37	82	13	1,499,046	47	136	33	5,721,441	42	125	37
43,287,337	23	23	39	54	53	7,894,991	21	127	40	25,115,223	21	94	61
29,900,412	30	28	16	82	14	6,474,090	28	129	39	20,464,673	29	119	43
4,170,437	58	28	17	48	60	1,400,411	49	83	64	2,204,596	56	91	65
5,027,545	55	17	58	59	48	680,729	60	125	42	2,461,062	53	120	42
3,700,469	60	18	51	48	61	781,199	57	87	62	1,964,433	59	90	66
17,888,063	35	19	49	60	46	3,714,628	34	92	60	10,410,589	35	103	59
60,329,106	18	20	46	86	9	7,589,245	22	163	20	44,561,597	14	116	48
4,901,901	56	71	1	143	1	741,159	58	472	1	2,225,100	55	314	1
1,568,163,885	2	21	43	63	38	301,610,238	2	111	51	769,478,292	2	128	30
152,970,000	8	26	30	53	54	23,236,766	7	169	18	54,436,562	12	150	16
6,324,470	51	27	23	92	6	689,668	59	247	6	3,625,961	49	160	10
82,384,212	14	29	11	65	33	8,931,987	18	270	5	24,732,248	22	217	2
25,500,101	32	16	61	41	66	4,347,364	31	92	59	13,041,522	33	79	68
5,889,998	52	14	65	37	68	890,636	54	94	58	2,123,033	57	104	57
8,139,126	49	13	67	47	62	786,422	56	135	34	2,011,312	58	190	4
23,147,585	34	23	40	62	41	4,056,580	33	131	37	11,482,675	34	126	35
58,440,000	19	24	36	56	50	9,846,731	16	143	28	25,320,361	20	129	29

Total Spending																	
2015 Verified 2015 Spending		2016 Verified 2015 Adjustment Spending		2017 Verified 2015 Adjustment Spending		Total Verified 2015 Spending		2016 Verified 2016 Spending		2017 Verified 2016 Adjustment Spending		Total Verified 2016 Spending		2017 Verified 2017 Spending		Total Verified 2015-2017 Spending	
Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)
8,062,897	1	334,653	3	0	0	8,397,550	1	41,915,066	3	5,250	1	41,920,316	3	79,153,678	1	129,471,544	
39,320	20	59,951	10	0	1	99,271	18	344,836	44	1,050	7	345,886	43	502,660	48	947,817	
0	28	0	27	0	1	0	41	50,265	63	0	24	50,265	63	78,576	66	128,841	
0	28	0	27	0	1	0	41	0	66	0	24	0	66	396,208	51	396,208	
5,119	27	0	27	0	1	5,119	39	1,340,938	23	0	24	1,340,938	23	2,482,985	18	3,829,042	
0	28	29,000	18	0	1	29,000	28	1,564,432	19	0	24	1,564,432	19	2,377,568	19	3,971,000	
118,667	15	193,116	4	0	1	311,783	10	2,472,234	9	0	24	2,472,234	9	5,813,359	9	8,597,376	
162,334	12	58,069	11	0	1	220,403	11	1,200,961	24	1,470	5	1,202,431	24	1,657,194	27	3,080,028	
0	28	0	27	0	1	0	41	276,194	46	0	24	276,194	46	345,087	53	621,281	
0	28	3,354	26	0	1	3,354	40	19,890	65	0	24	19,890	65	42,176	68	65,420	
157,689	13	0	27	0	1	157,689	14	636,318	30	0	24	636,318	30	1,017,140	35	1,811,147	
0	28	0	27	0	1	0	41	61,223	61	0	24	61,223	61	150,562	63	211,785	
0	28	0	27	0	1	0	41	435,083	39	0	24	435,083	39	623,126	42	1,058,209	
0	28	0	27	0	1	0	41	2,916,887	8	525	12	2,917,412	8	5,659,074	10	8,756,486	
374,365	7	60,099	9	0	1	434,464	6	2,370,550	11	0	24	2,370,550	11	2,934,527	16	5,739,541	
0	28	111,618	6	0	1	111,618	17	2,430,728	10	525	12	2,431,253	10	7,626,948	6	10,169,819	
23,149	23	19,384	20	0	1	42,533	24	561,528	36	0	24	561,528	36	1,431,847	31	2,035,908	
5,306	26	0	27	0	1	5,306	38	57,969	62	945	9	58,914	62	144,036	64	208,256	
176,840	10	6,737	25	0	1	183,577	12	1,818,727	15	525	12	1,819,252	15	2,146,133	22	4,148,962	
0	28	8,075	24	0	1	8,075	35	1,003,864	26	0	24	1,003,864	26	1,643,714	29	2,655,633	
0																	

LDC Ranking (#)	Allocated Budget		2017 Progress Spending versus Allocated Budget		2015-2017 Progress Spending versus Allocated Budget		2015-2020 LDC CDM Plan Spending Forecast		2017 Progress versus 2015-2020 LDC CDM Plan Spending Forecast		2015-2017 Progress versus 2015-2020 LDC CDM Plan Spending Forecast		2017 LDC CDM Plan Spending Forecast		2017 Progress versus 2017 LDC CDM Plan Spending Forecast		2015-2017 LDC CDM Plan Spending Forecast		2015-2017 Progress versus 2015-2017 LDC CDM Plan Spending Forecast	
	Value (\$)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (%)	LDC Ranking (#)	Value (\$)	LDC Ranking (#)	Value (%)	LDC Ranking (#)
1	414,824,478	1	19	35	31	29	412,907,157	1	19	36	31	31	89,938,374	1	88	43	186,362,886	1	69	53
43	2,107,963	50	24	12	45	5	2,470,412	45	20	29	38	15	432,758	48	116	12	888,411	45	107	9
66	311,330	64	25	10	41	9	374,401	67	21	26	34	21	95,250	66	82	50	203,831	66	63	63
56	148,832	67	266	2	266	2	1,846,142	51	21	23	21	63	337,342	52	117	10	724,090	50	55	66
21	15,838,687	18	16	57	24	62	15,838,687	18	16	58	24	60	2,661,593	20	93	33	5,245,973	19	73	49
20	14,048,458	19	17	49	28	42	11,591,730	21	21	27	34	22	2,702,600	18	88	44	4,938,885	20	80	41
9	25,825,521	10	23	19	33	23	25,825,521	8	23	21	33	24	5,293,074	11	110	17	9,973,036	9	86	32
25	7,355,555	30	23	18	42	8	6,952,818	31	24	14	44	6	1,609,378	31	103	23	3,031,748	29	102	12
49	2,252,724	48	15	58	28	46	2,190,601	47	16	56	28	41	674,845	38	51	67	950,344	43	65	58
68	298,764	65	14	62	22	63	298,764	68	14	63	22	62	69,743	67	60	62	89,852	68	73	51
33	4,446,841	36	23	16	41	11	4,446,841	36	23	19	41	9	998,972	35	102	24	2,245,523	32	81	40
63	525,743	62	29	7	40	12	525,743	65	29	6	40	12	162,798	64	92	34	220,424	65	96	18
41	4,273,057	38	15	60	25	59	4,273,057	37	15	61	25	58	649,882	41	96	31	1,104,658	39	96	19
10	25,873,071	9	22	22	33	24	22,281,831	11	25	11	38	14	4,525,892	13	125	8	7,408,108	13	116	4
13	18,695,867	16	16	55	31	33	17,441,107	16	17	50	33	25	3,296,925	15	89	40	6,285,797	17	91	27
7	38,421,929	7	20	30	26	51	38,421,928	7	20	33	26	49	9,868,968	6	77	53	15,959,414	6	64	61
31	7,104,954	31	20	27	29	40	8,022,275	29	18	45	25	55	1,961,511	27	73	59	2,668,899	31	76	47
64	685,489	61	21	24	30	34	685,489	64	21	25	30	37	162,703	65	89	42	225,978	64	92	26
19	8,532,573	27	25	11	49	4	8,030,233	28	27	9	52	2	1,942,734	28	110	16	4,361,729	22	95	21
28	8,768,149	25	19	37	30	36	8,763,560	25	19	41	30	38	2,320,677	23	71	60	3,644,455	24	73	50
53	98,990	68	421	1	421	1	1,682,107	54	25	12	25	57	298,018	54	140	5	643,270	52	65	59
60	1,109,758	57	20	33	28	45	1,119,638	59	19	35	28	44	295,858	55	73	58	503,825	55	61	64
23	9,672,498	23	20	26	36	19	9,672,497	22	20	38	36	19	2,037,534	26	97	28	3,575,712	25	98	16
45	2,894,613	44	20	28	31	28	2,894,596	43	20	31	31	30	667,281	40	87	46	967,403	42	94	22
12	24,920,625	11	18	39	25	56	24,914,810	9	18	42	25	54	4,984,747	12	92	37	9,924,301	10	64	60
29	8,387,497	28	24	14	31	31	8,387,497	27	24	17	31	33	1,693,484	30	117	11	2,997,163	30	86	33
59	843,903	60	30	6	40	13	839,830	63	31	4	40	11	249,293	59	103	21	324,621	63	104	10
67	394,750	63	14	61	25	58	394,750	66	14	62	25	56	65,818	68	87	47	103,786	67	96	20
51	2,139,160	49	12	65	21	65	2,139,160	48	12	64	21	64	469,776	45	55	63	642,701	53	70	52
2	338,355,409	3	22	20	36	20	319,733,906	3	24	15	38	16	84,648,671	2	90	39	130,932,006	3	94	23
4	105,242,155	4	23	15	36	18	105,242,155	4	23	18	36	18	30,043,738	4	81	51	43,902,666	4	87	30
39	3,680,241	41	19	34	32	27	3,680,241	40	19	37	32	28	745,996	37	95	32	1,379,515	37	85	35
54	155,966	66	265	3	265	3	1,741,263	52	24	16	24	61	315,564	53	131	6	674,000	51	61	65
61	1,407,448	54	12	64	21	64	1,688,937	53	10	67	18	67	341,056	51	52	66	900,462	44	33	68
30	8,674,286	26	19	38	25	55	8,631,873	26	19	40	26	53	1,761,544	29	92	36	3,477,795	26	64	62
11	27,710,719	8	19	36	25	57	21,241,293	12	24	13	33	27	5,304,361	10	98	26	8,757,155	11	79	43
48	3,077,834	42	18	42	27	50	3,063,883	42	18	43	27	48	422,399	49	131	7	762,964	49	107	8
42	4,142,391	39	15	59	26	54	4,121,298	38	15	60	26	52	603,854	42	103	22	1,049,293	41	101	15
5	51,192,690	5	20	29	41	10	51,389,905	5	20	32	41	8	10,107,408	5	101	25	20,767,785	5	102	13
38	2,739,690	46	32	4	44	6	2,489,129	44	35	2	49	3	507,918	44	172	2	862,722	46	141	2
22	11,911,927	21	17	45	31	30	11,911,927	20	17	47	31	32	2,808,776	17	74	56	4,722,005	21	78	44
27	9,649,555	24	17	48	28	43	9,649,555	23	17	49	28	42	2,246,041	24	73	57	3,306,832	28	82	39
14	19,056,865	15	16	51	29	39	19,056,865	15	16	52	29	40	5,691,300	9	55	64	8,070,179	12	68	56
40	2,993,633	43	22	23	36	21	2,221,857	46	29	5	48	4	674,316	39	96	29	1,099,317	40	98	17
32	5,545,424	34	20	31	33	25	5,588,424	34	20	34	33	26	1,321,014	33	83	49	2,061,859	35	89	29
52	1,174,934	56	22	21	36	22	1,174,934	58	22	22	36	20	291,147	56	89	41	453,485	58	93	25
8	24,575,982	12	25	9	38	16	24,207,742	10	26	10	39	13	6,805,010	8	92	38	10,080,076	8	94	24
46	3,705,603	40	18	41	24	61	3,320,975	41	20	30	27	46	467,979	47	143	4	820,108	48	110	6
37	4,318,856	37	14	63	28	41	3,845,634	39	16	59	32	29	532,482	43	113	15	1,114,081	38	110	5
15	19,963,922	14	16	53	26	53	19,918,698	14	16	54	26	51	2,656,044	21	121	9	6,160,566	18	85	36
47	2,282,373	47	24	13	39	14	1,989,059	49	27	8	45	5	468,258	46	116	13	821,260	47	109	7
26	9,781,455	22	21	25	30	37	9,489,528	24	21	24	31	35	2,194,825	25	92	35	4,242,996	23	69	54
24	7,440,107	29	31	5	42	7	7,440,107	30	31	3	42	7	2,665,073	19	88	45	3,453,420	27	90	28
57	1,070,574	58	28	8	37	17	1,069,894	61	28	7	37	17	380,306	50	80	52	470,588	56	84	37
58	1,306,239	55	18	44	27	47	1,226,814	57	19	39	29	39	203,657	63	115	14	346,828	62	103	11
65	1,016,095	59	12	66	18	68	1,093,501	60	11	66	17	68	252,883	58	49	68	512,183	54	36	67
36	4,643,532	35	17	47	30	35	4,586,298	35	17	46	31	36	1,196,268	34	67	61	1,804,761	36	78	45
17	12,927,445	20	18	40	39	15	12,369,311	19	19	38	40	10	2,416,300	22	98	27	6,837,532	14	73	48
44	2,881,461	45	23	17	32	26	939,108	62	69	1	99	1	218,641	62	297	1	386,217	61	241	1
3	396,296,506	2	18	43	31	32	395,720,870	2	18	44	31	34	73,852,676	3	96	30	146,708,281	2	83	38
6	40,482,340	6	17	50	28	44	40,482,340	6	17	51	28	43	7,905,508	7	86	48	13,109,152	7	86	31
50	1,814,647	52	20	32	29	38	1,573,675	55	23	20	34	23	238,480	60	150	3	454,281	57	118	3
16	21,192,868	13	16	56	24	60	21,192,868	13	16	57	24	59	3,212,039	16	104	20	6,397,486	15	80	42
34	6,584,437	32	16	54	27	49	6,584,434	32	16	55	27	47	967,657	36	108	18	2,076,204	34	86	34
62	1,493,412	53	10	68	20	67	1,493,412	56	10	68	20	66	284,830	57	53	65	433,226	59	68	57
55	2,012,404	51	11	67	20	66	1,978,115	50	12	65	20	65	221,480	61	104	19	395,076	60	101	14
35	6,101,269	33	17	46	26	52	6,101,269	33	17	48	26	50	1,414,428	32	75	55	2,084,2			

Progress Report

For: Guelph Hydro Electric Systems Inc.

#	Programs
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Use of Measure	Participation										Progress vs Forecast (%)													
	Forecasted (#)										Verified (#)										Total			
	2015	2016	2017	2018	2019	2020	Total	2015 Verified Results	2016 Verified Results Adjustments	2017 Verified Results Adjustments	Total Verified Results	2016 Verified Results	2017 Verified Results Adjustments	Total Verified Results	2015 Verified Results	2016 Verified Results	2017 Verified Results	Total						
2015-2020 Conservation First Framework Programs																								
Residential Province-Wide Programs																								
1	Save on Energy Coupon Program	Products	28,025	89,684	67,263	50,447	25,224	12,612	273,258	28,025	4,019	-	32,044	139,533	15,153	154,686	137,091	313,313	114	172	204	178		
2	Save on Energy Instant Discount Program	Products	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103,119	-	-	-	-		
3	Save on Energy Heating & Cooling Program	Equipment	514	1,802	1,250	1,350	1,350	1,350	7,316	514	72	-	586	2,399	12	2,411	1,107	4,104	114	134	89	111		
4	Save on Energy New Construction Program	Homes	-	4,234	2,900	1,450	2,900	1,450	17,934	-	1	-	1	-	-	-	-	1	-	-	-	1		
5	Save on Energy Home Assistance Program	Homes	-	-	2,936	4,194	2,936	889	10,306	-	-	-	-	-	-	-	-	81	-	-	3	3		
Sub-total: Residential Province-Wide Programs																								
Business Province-Wide Programs																								
6	Save on Energy Audit Funding Program	Projects	-	-	5	5	5	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-		
7	Save on Energy Retrofit Program	Projects	-	2,799	2,459	2,861	1,463	1,463	11,446	-	14	12	26	114	73	187	122	839	7	5	-	1		
8	Save on Energy Small Business Lighting Program	Projects	-	-	343	915	684	458	2,400	-	-	-	-	-	-	-	-	-	-	-	-	-		
9	Save on Energy High Performance New Construction Program	Projects	-	4	4	4	4	4	30	-	-	2	1	3	2	-	3	1	7	75	25	18	18	
10	Save on Energy Existing Building Commissioning Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	Save on Energy Business Refrigeration Incentive Program	Projects	-	-	143	563	424	281	1,411	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	Save on Energy Process & Systems Upgrades Program	Projects	-	-	5	4	5	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-		
13	Save on Energy Energy Manager Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
14	Save on Energy Monitoring & Targeting Program	Projects	-	-	1	1	1	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
15	Save on Energy Retrofit Program - PAP	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
16	Save on Energy Process & Systems Upgrades Program - PAP	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Business Province-Wide Programs																								
Local & Regional Programs																								
17	Adaptive Thermostat Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
18	Business Refrigeration Incentives Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
19	Conservation on the Coast Home Assistance Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20	Conservation on the Coast Small Business Lighting Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
21	First Nations Conservation Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
22	High Efficiency Agricultural Pumping Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
23	Instant Savings Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24	OPaver Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25	Pool Saver Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26	PUMPaver Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	RTU Saver Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	Social Benchmarking Local Program	Participants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Local & Regional Programs																								
LDC Innovation Fund Pilot Programs																								
29	Air Source Heat Pump - For Residential Space Heating LDC Innovation Fu	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	Air Source Heat Pump - For Residential Water Heating LDC Innovation Fu	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31	Block Heater Timer LDC Innovation Fund Pilot Program	Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
32	Commercial Energy Management and Load Control (CEMLC) LDC Innovat	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	Conservation Cultivator LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
34	Data Centre LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	Electronics Take Back LDC Innovation Fund Pilot Program	Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36	Energy Reinvestment LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
37	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Homes	-	-	-	1,380	2,760	2,760	6,900	-	-	-	-	-	-	-	-	-	-	-	-	-		
38	HomeMaster LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
39	Intelligent Air Technology LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
40	OPaver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
41	PUMPaver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
42	Residential Direct Install LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
43	Residential Direct Mail LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
44	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
45	Retrocommissioning LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
46	RTU Saver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
47	Small & Medium Business Energy Management System LDC Innovation F	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
48	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
49	Toronto Hydro - Edgebrook Joint Low-Income Program LDC Innovation Fu	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50	Troubleshoot Event LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: LDC Innovation Fund Pilot Programs																								
Centrally Delivered Programs																								
51	Industrial Accelerator Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
52	Save on Energy Energy Performance Program for Multi-Site Customers	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
53	Whole Home Pilot Program	Homes	-	-	-	-	-	-	179	178	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Centrally Delivered Programs																								
Program Enabled Savings																								
54	Save on Energy Retrofit Program Enabled Savings	Claims	-	1	1	1	1	1	5	-	1	-	1	-	-	-	-	1	-	-	1	1		
55	Save on Energy High Performance New Construction Program Enabled S	Claims	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
56	Save on Energy Process & Systems Upgrades Program Enabled Savings	Claims	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Program Enabled Savings																								
Other																								
57	Non-Approved Program	Various	-	-	4,960	23,156	23,156	74,438	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
58	Unassigned Program	Various	-	-	-	2	2	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Other																								
Sub-total: 2015-2020 Conservation First Framework																								
Conservation Fund																								
59	Conservation Voltage Reduction Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
60	EnerNOC Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
61	Home Depot Home Appliance Market Light Conservation Fund Pilot Pro	Projects	-	-	-	-	-	-	-	-	-	-	65	-	65	-	65	-	-	-	-	708		
62	Loblaws PAP Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
63	Ontario Clean Water Agency PAP Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
64	Performance Based Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
65	Social Benchmarking Conservation Fund Pilot Program	Participants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
66	Strategic Energy Group Conservation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Conservation Fund																								
2011-2014-2015 Extension Legacy Framework Programs																								
Residential Program																								
67	Appliance Retirement Initiative	Appliances	108	-	-	-	-	-	108	108	-	-	-	-	-	-	-	108	100	-	-	100		
68	Coupon Initiative	Products	25,636	-	-	-	-	-	25,636	9,557	254	-	9,811	-	-	-	9,811	38	-	-	38			
69	Big Annual Retailer Event Initiative	Products	-	-	-	-	-	-	16,079	16,079	-	-	-	-	-	-	-	16,079	-	-	-	-		
70	HVAC Incentives Initiative	Equipment	1,411	-	-	-	-	-	1,411	1,411	28	-	1,439	-	-	-	1,439	102	-	-	102			
71	Residential New Construction and Major Renovation Initiative	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Residential Program																								
Commercial & Institutional Program																								
72	Energy Audit Initiative	Projects	2	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2	100	-	-	100		
73	Efficiency - Equipment Replacement Incentive Initiative	Projects	6,188	-	-	-	-	-	6,188	199	24	3	226	-	-	-	226	4	-	-	4			
74	Direct Install Lighting and Water Heating Initiative	Projects	755	-	-	-	-	-	755	33	-	-	33	-	-	-	33	4	4	-	-	4		
75	New Construction and Major Renovation Initiative	Projects	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	1		
76	Existing Building Commissioning Incentive Initiative	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sub-total: Commercial & Institutional Program																								
Industrial Program																								
77	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Projects	1	-	-	-	-	-	1	1	-	-	-											

2017 Total Verified 2017 Results	Net-to-Gross Adjustment Energy	Net-to-Gross Adjustment - Peak Demand														Comparison (%) Total Verified 2015 Results	Total Verified 2016 Results	Total Verified 2017 Results	Net-to-Gross Adjustment Peak Demand	Realization Rate - Energy											Realization Rate - Energy	Realization Rate - Peak Demand											Realization Rate - Peak Demand	Gross Incre Forecasted (k) 2015			
		Forecasted (%)					Verified (%)					Comparison (%)								Verified (%)			Total			Verified (%)			Total			Verified (%)			Total												
		2015	2016	2017	2018	2019	2020	Total	2015 Results	2016 Results Adjustments	2017 Results Adjustments	Total Results	2016 Results	2017 Results Adjustments	Total Results					2017 Results	Total	2015 Results	2016 Results Adjustments	2017 Results Adjustments	Total Results	2016 Results	2017 Results Adjustments	Total Results	2017 Results	Total		2015 Results	2016 Results Adjustments	2017 Results Adjustments	Total Results	2016 Results	2017 Results Adjustments	Total Results	2017 Results	Total	2015 Results	2016 Results Adjustments			2017 Results Adjustments	Total Results	2016 Results
-25		162	165	162	165	162	162	162		167		163	150	153	150	129	135	0	-15	-33	100	100		100	164	175	165	271	86	100	100		100	160	170	161	280	85	448,682								
33		45	45	45	45	45	45	45	45		45	72	75	72	81		-0	27	36	100	118		102	112	112	112	108	100	200		107	108	100	108	77		78		78						533,459		
-							100		100	100	100				100																						17										982,141
21			86	86	86	86																																									-
7			75	75	75	75	75	87	82	83	80	80	80	80	101						99	96	97	93	97	95	97	86		92	91	91	87	90	89	101											-
			50	50	50	50	50	50			50	65	64	64	55						93	109	93	123	123	123	114		68		68	119	120	120	116											-	
			100	97	100	100																			97	97	95																				-
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Value Added Service Provider Cost / Variable Program Cost Administrative Expense Spending														
Forecasted (\$)														
2016	2017	2018	2019	2020	Total	Verified (\$)			Total			Progress (%)		
2016	2017	2018	2019	2020	Total	2015	2016	2017	2015	2016	2017	2015	2016	2017
Results	Results	Results	Results	Results	Results	Results	Adjustments	Results	Results	Results	Results	Results	Results	Results
-	-	-	-	-	-	32,544	-	-	32,544	26,285	-	26,285	50,842	109,671
-	-	-	-	-	-	-	-	-	-	-	-	-	6,086	6,086
-	-	-	-	-	-	6,682	-	-	6,682	17,680	-	17,680	20,339	44,701
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	39,226	-	-	39,226	43,965	-	43,965	77,267	160,458

ISO Value Added Service Provider Cost / Variable Program Cost Administrative Expense Spending

Total Administrative Expense Spending															
Forecasted (\$)															
2015	2016	2017	2018	2019	2020	Total	Verified (\$)			Total			Progress (%)		
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2015	2016	2017	2015	2016	2017
Results	Results	Results	Results	Results	Results	Results	Results	Adjustments	Results	Results	Results	Results	Results	Results	Results
10,734	84,478	89,000	94,200	94,500	94,500	467,712	32,544	483	-	33,027	86,536	-	36,536	250,635	320,198
-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,086	6,086
9,289	34,686	41,500	49,000	49,000	49,000	232,475	6,682	199	-	6,881	26,769	-	26,769	97,590	131,240
-	27,075	33,250	33,000	33,250	33,000	159,575	-	-	-	-	-	-	-	62,935	62,935
3,023	40,413	45,750	50,500	45,750	38,750	234,886	-	59	59	2,984	2,984	-	2,984	91,285	94,899
23,046	186,627	209,500	227,000	222,500	214,750	1,083,448	39,226	741	-	39,967	66,269	-	69,269	309,032	615,268

Total Administrative Expense Spending

Total 2015-2020 CFF LDC CDM		
Forecasted (\$)		
2015	2016	2017
10,734	520,796	416,232
9,289	591,686	408,750
3,023	114,546	93,162
23,046	1,247,441	1,007,428

Progress Report

For: Province Wide

Programs

2015-2020 Conservation First Framework Programs

Residential Province-Wide Programs

1 Save on Energy Coupon Program	Products	1,492,546	4,932,000	4,370,649	1,338,550	1,272,946	943,135	11,181,971	1,207,534	198,108	-	1,405,642	17,053,287	1,946,932	18,999,679	17,079,623	37,818,314	94	385	391	319
2 Save on Energy Instant Discount Program	Products	-	-	1,048,988	1,928,256	3,761,223	302,918	-	-	-	-	-	-	-	-	12,087,827	15,087,827	-	-	-	-
3 Save on Energy Heating & Cooling Program	Equipment	23,586	50,057	47,909	32,026	29,400	28,686	111,664	20,235	2,354	-	22,588	136,617	913	137,538	79,915	240,934	96	275	167	193
4 Save on Energy New Construction Program	Homes	3,333	7,187	8,319	6,879	8,500	6,967	41,863	6	5	11	130	74	204	328	543	0	3	4	4	
5 Save on Energy Home Assistance Program	Homes	80,753	15,512	56,654	89,092	37,435	85,128	704,574	1,032	226	-	1,258	5,066	1,500	6,566	6,910	14,734	2	42	12	10

Business Residential Province-Wide Programs

6 Save on Energy Audit Funding Program	Projects	61	293	433	444	443	359	2,031	2	27	2	31	213	207	420	349	800	51	143	81	100
7 Save on Energy Process & Systems Upgrades Program	Projects	51,299	273,262	347,045	262,455	232,887	228,156	1,496,104	811	2,495	289	3,595	10,600	30,429	13,719	8,783	26,699	7	5	3	4
8 Save on Energy Small Business Lighting Program	Projects	22,186	18,102	72,570	74,811	70,263	60,606	318,578	-	-	-	-	2,421	64	2,485	7,545	10,059	-	14	10	1
9 Save on Energy High Performance New Construction Program	Projects	59	293	4,284	4,647	4,576	4,568	18,839	-	8	-	11	180	61	24	4,576	167	19	82	3	3
10 Save on Energy Existing Building Commissioning Program	Projects	14	41	38	40	39	192	-	-	2	2	-	74	30	30	61	38	213	134	15	68
11 Save on Energy Business Refrigeration Incentive Program	Projects	-	306	16,748	21,710	20,262	16,934	74,960	-	-	-	-	-	-	-	1,077	1,077	-	-	6	6
12 Save on Energy Process & Systems Upgrades Program	Projects	41	3,138	1,728	1,701	135	512	3,960	-	-	-	3	12	13	13	16	79	-	0	9	1
13 Save on Energy Energy Manager Program	Projects	47	117	218	377	298	240	3,986	-	-	-	69	54	121	77	209	-	105	35	54	-
14 Save on Energy Monitoring & Targeting Program	Projects	7	6	26	25	26	23	113	-	-	-	-	-	-	-	-	-	-	-	-	-
15 Save on Energy Retrofit Program - PAP	Projects	134	1,166	-	-	-	-	-	61	9	70	472	178	651	753	974	-	52	56	75	-
16 Save on Energy Process & Systems Upgrades Program - PAP	Projects	-	5	-	-	-	-	-	-	-	-	3	2	5	-	-	-	100	100	-	-

Sub-total: Business Residential Province-Wide Programs

150,622,111 538,639,721 754,923,986 630,387,838 658,182,942 563,782,294 3,696,538,932 19,147,625

Local & Regional Programs

17 Adaptive Thermostat Local Program	Homes	-	1,041	5,000	5,000	5,000	5,000	41,041	-	-	-	-	-	-	-	-	-	-	-	-	-
18 Business Refrigeration Incentives Local Program	Homes	-	-	171	951	665	542	2,349	-	-	-	305	-	-	305	1,191	1,496	-	696	878	-
19 Conservation on the Coast Home Assistance Local Program	Projects	-	-	-	-	-	-	-	-	-	-	112	112	26	139	-	-	-	-	-	-
20 Conservation on the Coast Small Business Lighting Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 First Nations Conservation Local Program	Homes	-	750	1,363	747	890	780	4,530	-	-	-	-	-	-	2,135	2,135	-	-	157	101	-
22 High Efficiency Agricultural Pumping Local Program	Projects	-	-	3,944	5,268	6,581	6,581	22,374	-	-	-	-	-	-	-	-	-	-	-	-	-
23 Instant Savings Local Program	Homes	-	-	36,390	14,021	6,523	2,821	37,779	-	-	-	-	-	-	13,146	13,146	-	-	81	81	-
24 DPaver Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 Pool Saver Local Program	Homes	-	-	5,605	6,118	6,008	5,736	33,647	-	-	-	-	-	-	1,958	1,958	-	-	35	35	-
26 PUMPaver Local Program	Projects	-	16	269	618	134	67	867	-	-	-	5	1	6	193	199	-	-	38	72	70
27 RTU Saver Local Program	Projects	-	1	608	518	519	212	11,676	-	-	-	-	-	-	-	-	-	-	-	-	-
28 Social Benchmarking Local Program	Participants	-	1,333,125	2,390,945	3,744,545	4,430,904	4,457,000	16,366,515	-	-	-	-	764,789	764,789	1,050,385	1,815,174	-	-	57	44	48

Sub-total: Local & Regional Programs

187,000 16,359,664 6,914,108 8,977,095 6,414,866 6,664,174 45,336,907

LDC Innovation Fund Pilot Programs

29 Air Source Heat Pump - For Residential Space Heating LDC Innovation Fu	Homes	-	-	847	206	206	165	1,424	-	-	-	112	112	224	0	230	-	-	-	78	-
30 Air Source Heat Pump - For Residential Water Heating LDC Innovation Fu	Homes	-	-	-	-	-	-	-	-	-	-	69	69	69	69	69	-	-	-	-	-
31 Block Heater Timer LDC Innovation Fund Pilot Program	Equipment	-	-	4,000	4,285	4,270	4,270	16,843	-	-	-	-	-	-	1,599	1,599	-	-	-	40	40
32 Commercial Energy Management and Load Control (CEMLC) LDC Innovat	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33 Conservation Cultivar LDC Innovation Fund Pilot Program	Projects	1	-	12	-	-	1	2	-	-	4	4	-	-	-	-	-	400	-	400	-
34 Data Centre LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35 Electronics Take Back LDC Innovation Fund Pilot Program	Equipment	-	-	10,000	-	-	-	10,000	-	-	-	-	-	-	-	-	-	-	100	100	-
36 Energy Reinvestment LDC Innovation Fund Pilot Program	Projects	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37 Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Homes	-	323	6	1,380	2,760	2,760	7,743	-	-	-	-	-	-	838	838	-	-	13,967	255	-
38 Home/Hotel LDC Innovation Fund Pilot Program	Projects	-	5	5	7	7	7	16	-	-	-	-	-	-	4	4	-	-	80	46	-
39 Intelligent Air Technology LDC Innovation Fund Pilot Program	Projects	-	-	16	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
40 DPaver LDC Innovation Fund Pilot Program	Projects	-	5	-	-	-	-	5	-	-	-	5	-	-	-	-	-	-	100	100	-
41 PUMPaver LDC Innovation Fund Pilot Program	Projects	-	18	-	-	-	-	18	-	-	10	-	10	-	-	-	-	-	-	-	-
42 Residential Direct Install LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	322	-	-	322	-	-	-	-	-	-	-	10	-
43 Residential Direct Mail LDC Innovation Fund Pilot Program	Homes	-	2	-	-	-	-	2	-	-	726	-	726	-	-	-	-	36,300	-	36,300	-
44 Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Homes	-	1	-	-	-	-	1	-	-	-	94	94	-	94	-	-	9,400	-	9,400	-
45 Retrocommissioning LDC Innovation Fund Pilot Program	Projects	-	77	-	77	50	30	731	-	-	-	75	-	75	-	-	-	97	-	97	-
46 RTU Saver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	13	-	13	-	-	-	-	-	-	-
47 Small & Medium Business Energy Management System LDC Innovatio	Projects	-	-	133	-	-	-	133	-	-	-	45	45	754	754	-	-	-	-	567	601
48 Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Homes	-	1,000	-	-	-	-	1,000	-	-	1,026	-	1,026	-	-	-	-	103	-	103	-
49 Toronto Hyvco - Edgebrook Joint Low-Income Program LDC Innovation Fu	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	300	300	-	-	-	-	-
50 Troubleshoot Event LDC Innovation Fund Pilot Program	Projects	-	85,178	-	-	-	-	85,178	-	-	226,443	-	226,443	-	-	-	-	264	-	264	-

Sub-total: LDC Innovation Fund Pilot Programs

187,000 16,359,664 6,914,108 8,977,095 6,414,866 6,664,174 45,336,907

Centrally Delivered Programs

51 Industrial Accelerator Program	Projects	-	-	2	2	2	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-
52 Save on Energy Performance Program for Multi-Site Customers	Projects	-	-	4	11	4	4	16	-	-	-	-	-	-	30	30	-	-	780	780	-
53 Multiple Home Pilot Program	Homes	-	-	5,090	-	2	2	5,090	-	-	-	-	-	-	10,199	10,199	-	-	204	204	-

Sub-total: Centrally Delivered Programs

187,000 16,359,664 6,914,108 8,977,095 6,414,866 6,664,174 45,336,907

Program Enabled Savings

54 Save on Energy Retrofit Program Enabled Savings	Claims	5	10	1	1	1	1	18	-	-	9	9	18	28	14	42	24	84	360	420	2,400	521
55 Save on Energy High Performance New Construction Program Enabled S	Claims	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	1	8	-	-	-	-
56 Save on Energy Process & Systems Upgrades Program Enabled Savings	Claims	-	-	-	-	-	-	-	-	-	1	1	-	1	1	2	2	4	-	-	-	-

Sub-total: Program Enabled Savings

187,000 16,359,664 6,914,108 8,977,095 6,414,866 6,664,174 45,336,907

Other

57 Non-Approved Program	Various	-	3,401	46,669	228,390	181,677	185,296	646,063	-	-	-	-	-	-	-	-	-	-	-	-	-
58 Unassigned Program	Various	-	-	5,218	21,189	21,192	63,374	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sub-total: Other

187,000 16,359,664 6,914,108 8,977,095 6,414,866 6,664,174 45,336,907

2015-2016-2015 Extension Framework Programs

Residential Program

67 Appliance Retirement Initiative	Appliances	12,318</
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Energy Savings

2017					2018					2019					2020					Total					Verified (kWh)					Progress (%)																																									
2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total																																
2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019																																
Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results																																
95,432,950	94,208,317	92,034,688	96,295,762	405,967,180	31,459,586	4,531,473	-	39,991,059	427,989,595	49,843,524	477,831,119	521,520,622	1,055,944,800	92	268	546	931	1,835	18,125,171	27,499,663	5,217,810	3,646,754	52,489,402	10,181,961	1,384,911	-	11,566,873	76,249,162	744,673	76,993,835	68,318,325	156,879,033	51	227	194	191	603	8,392,603	8,490,585	8,706,173	8,424,523	33,994,523	1,624,371	397,324	2,021,695	1,746,478	4,174,220	51	58	21	33	143	163,986,168	7,162,177	7,002,798	6,748,178	38,637,847	1,145,292	2,874,282	1,430,074	9,590,437	1,946,201	1,430,074	9,590,437	1,946,201	18,078,683	63	135	94	108	399

Net Incremental First Year Peak Demand Savings

2017					2018					2019					2020					Total					Verified (kW)					Progress (%)																																				
2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total	2017	2018	2019	2020	Total																											
2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019																											
Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results																											
2,558	11,009	6,946	2,331	2,207	2,025	297	-	2,322	27,830	3,174	31,004	36,196	69,462	91	282	530	6,628	6,626	10,445	8,264	2,420	5,933	5,827	43,335	5,322	711	-	6,033	23,421	22,021	22,641	49,181	47,855	91	217	231	23	16,261	4,475	4,790	3,747	3,685	3,637	21,934	21,515	81	89	82	27	22	25	10,581	26,216	20,229	15,332	13,072	10,771	7,660	1,062	16	8,638	53,873	3,611	5,044	87,466	151,048

Gross Incremental First Year Peak Demand Savings										Gross Incremental First Year Peak Demand Savings				Gross Incremental First Year Peak Demand Savings					
Forecasted (kW)										Verified (kW)				Progress (%)					
2015	2016	2017	2018	2019	2020	Total	2015 Verified Results	2016 Verified Results Adjustments	2017 Verified Results Adjustments	Total Verified Results	2015 Verified Results	2016 Verified Results Adjustments	2017 Verified Results Adjustments	Total Verified Results	2015 Total Verified Results	2016 Total Verified Results	2017 Total Verified Results	Total Total Verified Results	
1,643	8,995	5,344	1,629	1,517	1,272	19,099	1,247	183	-	1,430	19,852	2,234	22,086	27,948	51,665	87	263	523	1,353
-	-	1,205	2,281	477	420	4,383	-	-	-	-	-	-	-	-	-	-	-	-	-
11,237	16,371	15,688	11,011	10,360	10,203	74,879	9,481	1,260	-	10,742	31,230	307	31,537	23,647	65,926	86	193	151	194
237	1,282	2,660	2,731	2,844	2,720	14,474	-	18	33	51	451	116	567	607	1,226	22	44	23	69
3,263	4,275	4,751	3,747	3,685	3,637	31,330	213	99	-	292	870	132	959	1,929	700	20	27	25	72
14,878	39,322	29,648	24,934	23,883	17,823	124,263	16,943	1,800	33	17,476	57,978	3,768	55,476	78,508	143,524	87	117	263	193
932	2,254	4,096	4,058	4,040	3,673	19,063	35	474	38	547	533	518	1,051	1,076	2,674	59	47	26	37
22,100	114,927	91,392	67,683	65,564	65,453	427,114	3,752	16,562	1,376	21,690	85,826	31,406	117,327	108,779	247,701	98	102	119	100
799	1,791	10,432	10,427	8,353	7,291	38,890	-	-	-	-	2,853	974	11,409	15,296	-	-	-	-	
1,402	13,821	9,332	5,738	6,224	6,392	60,365	-	178	106	284	8,700	1,437	12,107	13,944	26,339	20	106	162	138
-	650	1,356	1,442	925	885	4,468	-	-	-	-	83	81	146	229	133	113	13	11	
-	182	2,305	2,197	1,827	1,481	7,792	-	-	-	-	-	-	-	-	-	-	-	-	-
4,007	6,347	24,307	24,913	35,514	21,599	116,492	-	-	-	-	71	5,469	5,546	2,614	8,034	87	12	24	124
1,250	3,390	3,236	3,650	3,765	3,850	19,539	-	-	-	-	1,756	2,071	3,827	3,979	7,866	113	123	98	98
149	136	648	80	106	71	1,134	-	-	-	-	-	-	-	-	-	-	-	-	-
870	15,147	-	-	-	-	16,017	-	457	252	709	6,140	3,470	9,610	3,732	14,051	81	63	88	88
-	1,807	-	-	-	-	3,808	-	-	-	-	2,002	1,933	3,253	3,838	-	-	-	-	
31,509	150,447	146,324	119,400	126,318	110,409	694,407	3,787	17,671	1,772	23,230	168,251	48,383	157,514	146,555	327,157	74	83	100	97
-	58	280	280	280	280	1,178	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	24	12	6	42	-	-	-	-	183	-	183	611	794	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	10	10	2	12	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	296	537	308	365	321	1,827	-	-	-	-	-	-	-	277	277	-	-	-	-
-	-	2,191	2,931	3,657	3,657	12,436	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	256	628	385	233	1,509	-	-	-	-	-	-	150	150	-	-	-	-	-
-	-	695	4,892	4,099	5,469	13,158	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	4,997	4,997	4,997	4,911	19,904	-	-	-	-	-	-	-	-	-	-	-	-	-
-	65	1,089	681	544	272	2,051	-	-	-	-	75	14	89	1,675	1,764	137	154	23	24
-	-	380	2,763	2,730	1,560	7,998	-	-	-	-	-	-	-	-	-	-	-	-	-
-	9,857	15,819	20,866	23,173	23,451	93,168	-	-	-	-	5,199	5,199	25,776	30,975	-	-	-	-	
-	10,276	27,142	36,337	40,202	40,100	154,117	-	-	-	-	258	5,223	5,481	29,631	35,512	53	109	94	94
-	284	17	17	14	-	332	-	-	-	-	4	8	12	12	-	-	-	-	4
-	-	-	-	-	-	-	-	-	-	-	58	18	18	18	-	-	-	-	-
-	-	3	3	4	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-
-	15	-	-	-	-	15	-	-	-	-	12	12	-	-	12	80	-	-	-
-	-	628	-	-	-	628	-	-	-	-	-	-	-	-	-	-	-	-	-
-	160	470	-	-	-	630	-	-	-	-	36	-	36	36	-	-	23	23	83
-	-	208	-	-	-	208	-	-	-	-	-	-	-	-	-	-	-	-	-
-	66	132	132	132	304	768	-	-	-	-	-	-	-	59	59	-	-	-	-
-	132	132	185	185	185	639	-	-	-	-	-	-	-	-	-	-	-	-	10
-	411	-	-	-	-	411	-	-	-	-	2	-	2	2	0	-	-	-	0
-	70	-	-	-	-	70	-	-	-	-	68	-	68	31	68	31	-	-	97
-	-	-	-	-	-	-	-	-	-	-	22	-	22	22	-	-	-	-	31
-	251	-	-	-	-	251	-	-	-	-	32	32	32	32	88	13	18	-	88
-	282	-	282	183	110	857	-	-	-	-	386	386	386	386	130	130	-	-	130
-	-	-	-	-	-	-	-	-	-	-	37	-	37	37	-	-	-	-	37
-	125	-	-	-	-	125	-	-	-	-	13	13	13	160	172	10	-	-	10
-	211	-	-	-	-	211	-	-	-	-	442	-	442	78	78	209	-	-	209
15	1,642	1,032	761	921	445	4,416	68	14	80	958	310	1,043	910	1,413	533	62	30	51	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	1	207	1	1	210	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	157	-	-	-	157	-	-	-	-	-	-	-	1,035	1,035	88	669	669	669
-	-	158	207	1	1	369	-	-	-	-	-	-	-	1,035	1,035	685	685	685	685
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	212	3,555	15,772	12,306	12,654	44,499	-	-	-	-	-	-	-	-	-	-	-	-	-
-	212	3,555	20,404	20,231	77,072	117,499	-	-	-	-	-	-	-	-	-	-	-	-	-
46,902	203,908	207,859	214,623	216,442	259,060	1,146,121	14,729	19,239	1,817	35,785	161,622	57,443	219,066	253,431	988,281	78	108	122	111
-	570	-	-	-	-	570	-	-	-	-	-	-	-	-	-	-	-	-	-
-	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
145	-	-	-	-	-	145	724	-	-	724	73	-	73	73	724	499	2,433	2,433	2,433
506	42	42	-	-	-	590	-	-	-	18	3	21	85	106	-	-	-	-	-
510	-	-	-	-	-	510	1,661	-	-	1,661	-	-	1,661	326	326	-	-	-	326
1,054	1,054	-	-	-	-	2,108	1,054	-	-	1,054	-	-	1,054	106	106	-	-	-	106
2,216	48	612	-	-	-	2,876	3,440	-	-	3,440	91	3	94	85	3,619	155	208	14	126
3,275	1,532	1,532	-	-	-	7,871	2,256	-	-	2,256	-	-	2,256	69	69	-	-	-	69
4,129	3,302	5,343	4,518	3,977	3,168	24,437	2,000	383	-	2,383	-	-	2,383	58	58	-	-	58	
446	-	-	-	-	-	446	3,301	25	-	3,326	-	-	3,326	671	671	-	-	-	671
44,879	21,883	17,337	17,490	18,253	18,979	138,221	47,546	1,295	-	48,841	-	-	48,841	109	109	-	-	109	
2,507	-	-	-	-	-	2,507	2,263	508	-	2,775	-	-	2,775	111	111	-	-	-	111
55,256	26,717	24,212	23,540	22,230	22,147	174,102	57,166	2,211	4	59,381	-	-	59,381	107	107	-	-	-	107
6,713	-	-	-	-	-	6,713	6,296	4,176	-	10,472	-	-	10,472	156	156	-	-	-	156
110,663	540	1,297	700	367	307	113,874	122,480	10,059	2,869	135,408	-	-	135,408	122	-	-	-	122	
12,983	392	317	328	306	333	14,699	13,676	-	-	4,828	8,848	-	8,848	68	68	-	-	-	68
11,948	-	-	-	-	-	11,948	9,656	13,036	-	22,692	-	-	22,692	130	130	-	-	-	130
451	451	1	1	1	1	1,806	471	115	-	586	-	-	586	130	130	-	-	-	130
142,762	932	1,615	1,029	374	641	147,653	152,583	27,388	-	1,959	178,010	-	-	178,010	125	-	-	-	125
27,242	5,661	7,163	17,159	5,984	3,958	67,167	17,026	10,540	789	28,355	-	-	28,355	104	-	-	-	104	
8,245	-	-	-	-	-	8,245	9,370	-	-	9,370	-	-	9,370	114	114	-	-	-	114
35,487	5,661	7,163	17,159	5,984	3,958	75,412	26,396	10,540	789	37,725	-	-	37,725	106	-	-	-	106	
2,048	-	-	-	-	-	2,048	2,225	477	-	2,702	-	-	2,702	132	132	-	-	-	132
2,048	-	-	-	-	-	2,048	2,225	4											

Savings Persistence Report

For: Guelph Hydro Electric Systems Inc.

#	Program / Initiative Name	Gross Verified Annual Energy Savings (kWh)									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2015 Verified 2015 Results											
1	Save on Energy Coupon Program	448,681	445,006	445,006	445,006	445,006	445,006	445,006	444,723	444,723	444,723
3	Save on Energy Heating & Cooling Program	533,459	533,459	533,459	533,459	533,459	533,459	533,459	533,459	533,459	533,459
67	Appliance Retirement Initiative	99,737	99,737	99,737	99,192	55,969	-	-	-	-	-
68	Coupon Initiative	136,230	134,938	134,938	134,938	134,938	134,938	134,938	134,908	134,908	134,908
69	Bi-Annual Retailer Event Initiative	200,018	193,384	193,384	193,384	193,384	193,384	193,384	193,377	193,377	193,377
70	HVAC Incentives Initiative	1,142,555	1,142,555	1,142,555	1,142,555	1,142,555	1,142,555	1,142,555	1,142,555	1,142,555	1,142,555
72	Energy Audit Initiative	165,936	165,936	165,936	165,936	-	-	-	-	-	-
73	Efficiency: Equipment Replacement Incentive Initiative	17,320,229	17,320,229	17,270,073	17,270,073	17,270,073	17,270,073	16,776,888	16,776,888	16,288,819	14,523,887
74	Direct Install Lighting and Water Heating Initiative	114,659	109,338	65,004	65,004	65,004	65,004	65,004	65,004	65,004	65,004
77	Process and Systems Upgrades Initiatives - Project Incentive Initiative	52,034,400	52,034,400	52,034,400	52,034,400	52,034,400	52,034,400	52,034,400	52,034,400	52,034,400	52,034,400
78	Process and Systems Upgrades Initiatives - Energy Manager Initiative	22,985	22,985	22,985	22,985	22,985	22,985	22,985	22,985	22,985	22,985
80	Low Income Initiative	526,869	414,753	393,471	372,886	372,886	372,886	372,886	372,886	205,499	204,696
Subtotal: 2015 Verified 2015 Results		72,745,758	72,616,720	72,500,948	72,479,818	72,270,659	72,214,690	71,721,505	71,721,185	71,065,729	69,299,994
2016 Verified 2015 Results Adjustments											
83	Save on Energy Coupon Program	51,449	50,681	50,681	50,681	50,681	50,681	50,681	50,649	50,649	50,649
85	Save on Energy Heating & Cooling Program	78,815	78,815	78,815	78,815	78,815	78,815	78,815	78,815	78,815	78,815
86	Save on Energy New Construction Program	36,343	36,343	36,343	36,343	36,343	36,343	36,343	36,343	36,343	36,343
89	Save on Energy Retrofit Program	800,507	800,507	800,507	800,507	800,507	800,507	779,319	779,319	778,996	711,961
91	Save on Energy High Performance New Construction Program	244,498	244,498	244,498	244,498	244,498	244,498	244,498	244,498	244,498	244,498
150	Coupon Initiative	3,268	3,239	3,239	3,239	3,239	3,239	3,239	3,239	3,239	3,239
152	HVAC Incentives Initiative	27,924	27,924	27,924	27,924	27,924	27,924	27,924	27,924	27,924	27,924
154	Energy Audit Initiative	11,166	11,166	11,166	11,166	177,102	177,102	177,102	177,102	177,102	177,102
155	Efficiency: Equipment Replacement Incentive Initiative	1,392,564	1,392,564	1,392,564	1,392,564	1,392,564	1,392,564	1,291,396	1,291,396	1,279,355	847,446
157	New Construction and Major Renovation Initiative	185,733	185,733	185,733	185,733	185,733	185,733	185,733	185,733	185,733	185,733
Subtotal: 2016 Verified 2015 Results Adjustments		2,832,267	2,831,470	2,831,470	2,831,470	2,997,406	2,997,406	2,875,050	2,875,018	2,862,654	2,363,710
2017 Verified 2015 Results Adjustments											
171	Save on Energy Retrofit Program	1,361,370	1,361,370	1,361,370	1,361,370	1,361,370	1,361,370	1,382,558	1,382,558	1,382,708	1,012,118
173	Save on Energy High Performance New Construction Program	7,293	7,293	7,293	7,293	7,293	7,293	7,293	7,293	7,293	7,293
237	Efficiency: Equipment Replacement Incentive Initiative	27,458	27,458	77,614	79,798	79,798	79,798	674,151	674,151	1,098,774	1,049,153
238	Direct Install Lighting and Water Heating Initiative	-39,011	-33,690	10,644	11,836	11,836	11,836	11,836	11,836	11,836	11,836
Subtotal: 2017 Verified 2015 Results Adjustments		1,357,110	1,362,431	1,456,921	1,460,297	1,460,297	1,460,297	2,075,838	2,075,838	2,500,611	2,080,400
2016 Verified 2016 Results											
247	Save on Energy Coupon Program	-	2,496,433	2,496,433	2,496,433	2,496,433	2,496,433	2,496,433	2,496,433	2,496,071	2,496,071
249	Save on Energy Heating & Cooling Program	-	1,891,982	1,891,982	1,891,982	1,891,982	1,891,982	1,891,982	1,891,982	1,891,982	1,891,982
253	Save on Energy Retrofit Program	-	4,158,104	4,059,652	4,059,652	4,059,652	4,059,652	3,993,551	3,993,551	3,993,551	3,988,268
255	Save on Energy High Performance New Construction Program	-	153,544	153,544	153,544	153,544	153,544	153,544	153,544	153,544	153,544
307	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	-	9,219	9,219	9,219	9,219	9,219	9,219	9,219	9,219	9,219
Subtotal: 2016 Verified 2016 Results		-	8,709,282	8,610,830	8,610,830	8,610,830	8,610,830	8,544,729	8,544,729	8,544,367	8,539,084
2017 Verified 2016 Results Adjustments											
329	Save on Energy Coupon Program	-	273,375	273,375	273,375	273,375	273,375	273,375	273,375	273,351	273,351
331	Save on Energy Heating & Cooling Program	-	13,859	13,859	13,859	13,859	13,859	13,859	13,859	13,859	13,859
335	Save on Energy Retrofit Program	-	4,946,452	5,044,904	5,048,755	5,048,755	5,048,755	5,045,621	5,045,621	5,045,621	5,042,287
337	Save on Energy High Performance New Construction Program	-	380,295	380,295	380,295	380,295	380,295	380,295	380,295	380,295	380,295
341	Save on Energy Energy Manager Program	-	971	971	971	971	971	971	971	971	971
Subtotal: 2017 Verified 2016 Results Adjustments		-	5,614,952	5,713,404	5,717,255	5,717,255	5,717,255	5,714,121	5,714,121	5,714,097	5,710,763
2017 Verified 2017 Results											
411	Save on Energy Coupon Program	-	-	3,252,148	2,619,738	2,619,738	2,619,738	2,619,738	2,619,738	2,619,738	2,619,712
412	Save on Energy Instant Discount Program	-	-	2,833,440	2,027,682	2,027,682	2,027,682	2,027,682	2,027,682	2,027,682	2,027,631
413	Save on Energy Heating & Cooling Program	-	-	1,224,342	1,224,342	1,224,342	1,224,342	1,224,342	1,224,342	1,224,342	1,224,342
415	Save on Energy Home Assistance Program	-	-	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140
417	Save on Energy Retrofit Program	-	-	19,641,478	19,945,710	19,945,710	19,945,710	19,945,710	19,609,249	19,609,249	19,609,249
419	Save on Energy High Performance New Construction Program	-	-	128,440	128,440	128,440	128,440	128,440	128,440	128,440	128,440
423	Save on Energy Energy Manager Program	-	-	8,579	8,579	8,579	8,579	8,579	8,579	8,579	8,579
462	Save on Energy Energy Performance Program for Multi-Site Customers	-	-	769,772	769,772	769,772	769,772	769,772	585,809	585,809	585,809
463	Whole Home Pilot Program	-	-	133,628	133,628	133,628	133,628	133,312	131,452	131,452	131,452
Subtotal: 2017 Verified 2017 Results		-	-	28,136,967	27,003,031	27,003,031	27,003,031	27,002,715	26,480,431	26,480,431	26,480,354
Total		76,935,135	91,134,855	119,250,540	118,102,701	118,059,478	118,003,509	117,993,958	117,411,322	117,167,889	114,474,305

Net Verified Annual Energy Savings (kWh)																	
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
734,476	728,461	728,461	728,461	728,461	728,461	728,461	727,998	727,998	727,998	686,316	683,755	683,755	667,616	667,616	665,908	178,775	178,775
240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796	240,796
46,864	46,864	46,864	46,656	26,046	-	-	-	-	-	-	-	-	-	-	-	-	-
223,005	220,890	220,890	220,890	220,890	220,890	220,890	220,841	220,841	220,841	200,852	199,813	199,813	199,290	199,290	199,207	80,605	80,605
327,422	316,563	316,563	316,563	316,563	316,563	316,563	316,552	316,552	316,552	280,141	243,611	243,611	243,548	243,548	243,540	155,519	155,519
515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733
142,541	142,541	142,541	142,541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14,020,784	14,020,784	13,976,235	13,976,235	13,976,235	13,976,235	13,571,889	13,571,889	13,180,751	11,739,120	7,354,273	6,492,122	5,132,329	5,086,429	5,086,429	3,540,659	174,509	174,509
102,095	97,357	57,881	57,881	57,881	57,881	57,881	57,881	57,881	57,881	56,142	23,701	-	-	-	-	-	-
42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864
17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	-	-	-	-	-	-	-	-
526,869	414,753	393,471	372,886	372,886	372,886	372,886	372,886	372,886	205,499	204,696	199,041	190,416	189,415	189,415	12,992	9,466	9,466
59,045,688	58,909,845	58,804,538	58,783,745	58,620,594	58,594,548	58,190,202	58,189,679	57,631,154	56,188,720	51,681,158	50,737,811	49,353,316	49,290,691	49,114,268	47,563,173	43,503,267	43,503,267
84,221	82,963	82,963	82,963	82,963	82,963	82,963	82,911	82,911	82,911	78,111	77,986	77,986	77,602	77,602	77,445	44,518	44,518
35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577
30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	15,410	-
674,627	674,627	674,627	674,627	674,627	674,627	657,255	657,255	657,255	602,046	311,177	287,603	274,302	274,302	274,302	188,863	-	-
122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	71,099	42,414
5,350	5,303	5,303	5,303	5,303	5,303	5,303	5,303	5,303	5,303	5,315	5,315	5,315	5,315	5,315	5,315	3,125	3,125
12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605	12,605
9,592	9,592	9,592	152,133	152,133	152,133	152,133	152,133	152,133	152,133	152,133	152,133	152,133	106,493	-	-	-	-
1,007,040	1,007,040	1,007,040	1,007,040	1,007,040	1,007,040	932,984	932,984	924,392	608,291	295,002	261,259	177,381	177,381	177,381	136,728	-	-
92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	40,296	-	-	-
2,074,627	2,073,322	2,073,322	2,073,322	2,215,863	2,215,863	2,124,435	2,124,383	2,115,538	1,744,481	1,135,535	1,078,093	980,914	934,890	775,827	609,282	182,334	138,239
1,112,497	1,112,497	1,112,497	1,112,497	1,112,497	1,112,497	1,129,868	1,129,868	1,129,968	826,130	96,534	95,656	92,912	92,912	92,912	64,273	966	966
3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	2,768	-	-	-	-	-
155,652	155,652	200,201	202,141	202,141	202,141	680,542	680,542	1,013,226	929,158	276,275	79,460	105,916	80,239	80,239	72,031	42,014	42,014
-34,736	-29,998	9,477	10,539	10,539	10,539	10,539	10,539	10,539	10,539	10,539	9,573	-	-	-	-	-	-
1,237,060	1,241,798	1,325,822	1,328,824	1,328,824	1,328,824	1,824,596	1,824,596	2,157,380	1,769,474	386,995	188,336	201,596	173,151	173,151	136,304	42,980	42,980
-	3,738,398	3,738,398	3,738,398	3,738,398	3,738,398	3,738,398	3,738,398	3,737,857	3,737,857	3,721,827	3,677,797	3,675,586	3,675,586	3,656,511	3,171,439	3,171,439	1,426,787
-	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152
-	3,301,403	3,223,236	3,223,236	3,223,236	3,223,236	3,170,753	3,170,753	3,170,753	3,166,559	3,166,559	3,157,676	2,445,046	1,050,805	1,050,805	250,903	-	-
-	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	94,317	91,938
-	708	708	708	708	708	708	708	708	708	708	708	708	708	708	477	477	477
-	8,472,219	8,394,052	8,394,052	8,394,052	8,394,052	8,341,569	8,341,569	8,341,028	8,336,834	8,320,804	8,267,891	7,553,050	6,158,809	6,139,734	4,854,529	4,599,385	2,852,354
-	409,378	409,378	409,378	409,378	409,378	409,378	409,378	409,342	409,342	409,939	409,821	410,202	410,202	409,131	352,879	352,879	145,623
-	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758
-	3,927,327	4,005,494	4,008,552	4,008,552	4,008,552	4,006,064	4,006,064	4,006,064	4,003,417	4,003,417	3,978,963	3,054,994	1,364,628	1,364,628	94,690	620	620
-	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	190,550	160,515
-	835	835	835	835	835	835	835	835	835	835	835	835	-	-	-	-	-
-	4,591,404	4,669,571	4,672,629	4,672,629	4,672,629	4,670,141	4,670,141	4,670,105	4,667,458	4,668,055	4,643,483	3,719,895	2,028,694	2,027,623	701,433	553,807	316,516
-	-	4,196,635	3,380,561	3,380,561	3,380,561	3,380,561	3,380,561	3,380,561	3,380,527	3,380,527	3,372,527	3,289,568	3,289,041	3,289,041	3,288,792	2,783,257	2,783,257
-	-	3,777,549	2,735,657	2,735,657	2,735,657	2,735,657	2,735,657	2,735,657	2,735,604	2,735,604	2,735,604	2,685,800	2,681,118	2,681,118	2,263,843	2,263,843	1,753,449
-	-	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804
-	-	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140	119,043	118,453	118,453	118,453	118,453	118,453
-	-	18,742,234	19,032,537	19,032,537	19,032,537	19,032,537	18,711,481	18,711,481	18,711,481	18,691,215	18,691,215	18,367,876	17,205,289	6,339,572	4,579,334	381,773	-
-	-	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721
-	-	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	-	-
-	-	577,329	577,329	577,329	577,329	577,329	439,357	439,357	439,357	205,945	-	-	-	-	-	-	-
-	-	120,265	120,265	120,265	120,265	119,981	118,307	118,307	118,307	118,307	118,307	118,307	118,307	118,307	118,307	118,307	117,970
-	-	28,594,818	27,027,155	27,027,155	27,027,155	27,026,871	26,566,169	26,566,169	26,566,082	26,312,404	26,098,459	25,616,260	24,447,874	13,582,157	11,398,254	6,695,158	5,802,654
62,357,375	75,288,588	103,862,123	102,279,727	102,259,117	102,233,071	102,177,814	101,716,537	101,481,374	99,273,049	92,504,951	91,014,073	87,425,031	83,034,109	71,812,760	65,262,975	55,576,931	52,656,010

Net
Verified
Energy
Savings

2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
178,775	178,775	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
234,665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80,605	80,605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155,519	155,519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
489,315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
174,509	174,509	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42,147,864	42,147,864	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9,466	9,466	9,466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43,470,718	42,746,738	9,466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44,518	44,518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34,814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14,398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,125	3,125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12,249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
109,104	47,643	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
966	966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42,014	42,014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42,980	42,980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,333,152	1,304,118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31,210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
477	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,364,839	1,304,118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9,758	9,568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
620	620	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54,490	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64,868	10,188	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329,796	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,389,735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
956,804	956,804	912,764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
118,453	118,453	118,453	118,453	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72,721	24,687	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
117,970	117,763	114,394	22,645	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,985,479	1,217,707	1,145,611	141,098	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48,037,988	45,369,374	1,155,697	141,098	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Net Verified Annual Peak Demand Savings (kW)													
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
47	46	46	46	46	46	46	46	46	46	42	42	42	42
124	124	124	124	124	124	124	124	124	124	124	124	124	124
7	7	7	7	4	-	-	-	-	-	-	-	-	-
14	14	14	14	14	14	14	14	14	14	13	13	13	13
24	24	24	24	24	24	24	24	24	24	18	15	15	15
273	273	273	273	273	273	273	273	273	273	273	273	273	273
30	30	30	30	-	-	-	-	-	-	-	-	-	-
6,992	6,992	6,978	6,978	6,978	6,978	6,895	6,895	6,849	6,580	5,867	5,817	5,616	5,602
23	22	13	13	13	13	13	13	13	13	13	6	-	-
4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811
5	5	5	5	5	5	5	5	5	5	-	-	-	-
43	37	36	35	35	35	35	35	26	25	25	25	24	24
12,393	12,385	12,361	12,360	12,327	12,323	12,240	12,240	12,185	11,915	11,186	11,126	10,918	10,904
5	5	5	5	5	5	5	5	5	5	5	5	5	5
18	18	18	18	18	18	18	18	18	18	18	18	18	18
6	6	6	6	6	6	6	6	6	6	6	6	6	6
133	133	133	133	133	133	129	129	129	117	40	33	30	30
14	14	14	14	14	14	14	14	14	14	14	14	14	14
-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	6	6	6	6	6	6	6	6	6	6	6	6	6
2	2	2	2	32	32	32	32	32	32	32	32	32	23
147	147	147	147	147	147	135	135	135	84	34	26	13	13
21	21	21	21	21	21	21	21	21	21	21	21	21	21
352	352	352	352	382	382	366	366	366	303	176	161	145	136
265	265	265	265	265	265	268	268	268	193	13	13	12	12
-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	30	44	44	44	44	139	139	164	124	33	22	21	13
-8	-7	2	3	3	3	3	3	3	3	3	2	-	-
287	288	311	312	312	312	410	410	435	320	49	37	33	25
-	243	243	243	243	243	243	243	243	243	242	233	233	233
-	392	392	392	392	392	392	392	392	392	392	392	392	392
-	558	541	541	541	541	534	534	534	533	533	532	381	141
-	20	20	20	20	20	20	20	20	20	20	20	20	20
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	1,213	1,196	1,196	1,196	1,196	1,189	1,189	1,189	1,188	1,187	1,177	1,026	786
-	26	26	26	26	26	26	26	26	26	26	26	26	26
-	3	3	3	3	3	3	3	3	3	3	3	3	3
-	587	603	604	604	604	603	603	603	603	601	407	104	104
-	46	46	46	46	46	46	46	46	46	46	46	46	46
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	662	678	679	679	679	678	678	678	678	678	676	482	179
-	-	299	244	244	244	244	244	244	244	244	244	220	220
-	-	259	189	189	189	189	189	189	189	189	189	179	179
-	-	274	274	274	274	274	274	274	274	274	274	274	274
-	-	24	24	24	24	24	24	24	24	24	24	8	8
-	-	2,946	3,061	3,061	3,061	3,061	3,005	3,005	3,005	3,005	3,005	2,938	2,443
-	-	16	16	16	16	16	16	16	16	16	16	16	16
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	17	17	17	17	17	17	17	17	17	17	17	17
-	-	3,835	3,825	3,825	3,825	3,825	3,769	3,769	3,769	3,769	3,769	3,652	3,157
13,032	14,900	18,733	18,724	18,721	18,717	18,708	18,652	18,622	18,173	17,045	16,946	16,256	15,187

2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
42	42	11	11	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124	124	124	124	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	13	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	15	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
273	273	273	273	243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5,602	3,871	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,811	4,811	4,811	4,811	4,811	4,811	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,882	9,150	5,298	5,298	5,261	4,901	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	5	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	18	18	18	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	14	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	6	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101	78	33	27	26	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	13	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	21	14	14	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
233	203	203	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
392	392	392	392	392	360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
141	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	20	16	14	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
786	683	611	496	397	360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	23	23	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
104	8	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	46	27	16	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
179	80	54	29	10	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
220	220	187	187	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
179	152	152	118	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
274	274	274	274	274	274	246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
778	483	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	16	16	16	16	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	17	17	17	17	17	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,492	1,170	694	620	430	305	267	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13,465	11,182	6,704	6,484	6,138	5,587	269	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Net
Verified
Peak
Demand
Savings

Net
Verified
Savings

2017 Final Verified Annual LDC CDM Program Results Report

Methodology

General

All results are at the end-user level, i.e. not including losses as a result transmission and distribution lines.

2015 results are based on projects completed between January 1, 2015 and December 31, 2015; 2016 results are based on projects completed between January 1, 2016 and December 31, 2016; and 2017 results are based on projects completed between January 1, 2017 and December 31, 2017.

The 2015 verified results considers projects reported to the IESO between January 1, 2015 and March 31, 2016; the 2016 verified results considers projects reported to the IESO between April 1, 2016 and April 15, 2017; the 2017 verified results considers projects reported to the IESO between April 16, 2017 and April 15, 2018.

Legacy Framework results are based on projects begun prior to an LDC's transition to the Conservation First Framework program and completed by December 31, 2015. Conservation First Framework results are based on projects begun on or after an LDC's transition to the Conservation First Framework program and projects transitioned to the Conservation First Framework through a valid Extension Agreement for eligible Programs.

Savings Calculations

#	Project Type	Attributing Savings to LDCs
1	Prescriptive Measures and Projects Programs	<p>Gross Reported Savings = Activity * Per Unit Assumption Savings</p> <p>Gross Verified Savings = Gross Reported Savings * Realization Rate</p> <p>Net Verified Savings = Gross Verified Savings * Net-to-Gross Ratio</p> <p>All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)</p>
2	Engineered and Custom Projects / Programs	<p>Gross Reported Savings = Reported Savings</p> <p>Gross Verified Savings = Gross Reported Savings * Realization Rate</p> <p>Net Verified Savings = Gross Verified Savings * Net-to-Gross Ratio</p> <p>All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)</p>
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 2017 IESO Reporting Period: 1) program savings; and 2) Participant Incentives; associated with a 2017 completed project, as well as 3) Administrative Expenses; then: a) the savings; b) expenditures; and c) corresponding cost effectiveness; are attributed to the 2017 program year.

However if the same is reported in or after the January 2018 IESO Reporting Period: only the i) the savings and ii) costs for the purposes of Cost Effectiveness Test calculations will be attributed to the 2017 program year; The expenditures for the purposes of spending reporting (in the Monthly Participation & Cost Report and this Verified Annual LDC CDM Program Results Report) will be allocated to the 2018 program year and will not appear.

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, 2018	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings 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.
2	Save on Energy Instant Discount Program	Results are allocated based on Consumer Program Allocation Reference Table.	April 15, 2018	Savings are considered to begin in the year in which the event occurred.	
3	Save on Energy Heating & Cooling Program	Results directly attributed to LDC based on customer applications and postal code.	April 15, 2018	Savings are considered to begin in the year that the installation occurred.	
4	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in LDC Report	April 15, 2018	Savings are considered to begin in the year of the project completion date.	
5	Save on Energy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the measures were installed.	
6	Save on Energy Audit Funding Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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).
7	Save on Energy Retrofit Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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 ICDN 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).
8	Save on Energy Small Business Lighting Program	Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2018	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 spillover for both peak demand and energy savings at the program level (net).
9	Save on Energy High Performance New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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. Preliminary unverified net savings are calculated by multiplying reported savings by 2016 Net-to-gross ratios and realization rates.
10	Save on Energy Existing Building Commissioning Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	
11	Save on Energy Business Refrigeration Incentive Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	
12	Save on Energy Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the project was in-service.	
13	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the project was completed by the energy manager.	Peak demand and energy savings are determined by the total savings 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).
14	Save on Energy Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings 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).

2011-2014+2015 Extension Legacy Framework

#	Initiative	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings
1	saveONenergy Appliance Retirement Initiative	2015 Results only. 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.	April 15, 2018	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings 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.
2	saveONenergy Conservation Instant Coupon Booklet	2015 Results only. LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	April 15, 2018	Savings are considered to begin in the year in which the coupon was redeemed.	
3	saveONenergy Bi-Annual Retailer Event	2015 Results only. Results are allocated based on average of 2008 & 2009 residential throughput.	April 15, 2018	Savings are considered to begin in the year in which the event occurs.	
4	saveONenergy HVAC Incentives	2015 Results only. Results directly attributed to LDC based on customer applications and postal code.	April 15, 2018	Savings are considered to begin in the year that the installation occurred.	

5	saveONenergy Residential New Construction	2015 Results only. Results are directly attributed to LDC based on LDC identified in application in the iCon system.	April 15, 2018	Savings are considered to begin in the year of the project completion date.	
6	saveONenergy Energy Audit	2015 Results only. Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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).
7	saveONenergy Efficiency: Equipment Replacement	2015 Results only. Results are directly attributed to LDC based on LDC identified at the 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 Building type to Sector mapping.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date in the iCON system.	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&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). 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 2015)
8	saveONenergy Direct Installed Lighting	2015 Results only. Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2018	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 spillover for both peak demand and energy savings at the program level (net).
9	saveONenergy New Construction and Major Renovation Incentive	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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 (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 take into account net-to-gross factors such as free-ridership and spillover (net).
10	saveONenergy Existing Building Commissioning Incentive	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018		
11	saveONenergy Process & System Upgrades	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings 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 take into account net-to-gross factors such as free-ridership and spillover (net).
12	saveONenergy Energy Manager	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	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.	
13	saveONenergy Monitoring & Targeting	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	
14	saveONenergy Home Assistance Program	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings 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.
15	Aboriginal Conservation Program	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018		
16	Program Enabled Savings	2015 Results only.	April 15, 2018		

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Consumer Program Allocation Reference Table

#	Local Distribution Company	Allocation (%)
1	Alectra Utilities Corporation	19.77
2	Algoma Power Inc.	0.18
3	Atikokan Hydro Inc.	0.02
4	Attawapiskat Power Corporation	0.01
5	Bluewater Power Distribution Corporation	0.62
6	Brantford Power Inc.	0.67
7	Burlington Hydro Inc.	1.34
8	Canadian Niagara Power Inc.	0.35
9	Centre Wellington Hydro Ltd.	0.11
10	Chapleau Public Utilities Corporation	0.03
11	COLLUS PowerStream Corp.	0.25
12	Cooperative Hydro Embrun Inc.	0.06
13	E.L.K. Energy Inc.	0.25
14	Energy+ Inc.	1.12
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
26	Halton Hills Hydro Inc.	0.59
27	Hearst Power Distribution Company Limited	0.05
28	Hydro 2000 Inc.	0.04
29	Hydro Hawkesbury Inc.	0.15
30	Hydro One Networks Inc.	27.29
31	Hydro Ottawa Limited	6.61
32	InnPower Corporation	0.33
33	Kashechewan Power Corporation	0.02
34	Kenora Hydro Electric Corporation Ltd.	0.09
35	Kingston Hydro Corporation	0.29
36	Kitchener-Wilmot Hydro Inc.	1.51
37	Lakefront Utilities Inc.	0.11
38	Lakeland Power Distribution Ltd.	0.23
39	London Hydro Inc.	2.61
40	Midland Power Utility Corporation	0.10
41	Milton Hydro Distribution Inc.	0.66
42	Newmarket-Tay Power Distribution Ltd.	0.60
43	Niagara Peninsula Energy Inc.	0.82
44	Niagara-on-the-Lake Hydro Inc.	0.13
45	North Bay Hydro Distribution Limited	0.42

46	Northern Ontario Wires Inc.	0.09
47	Oakville Hydro Electricity Distribution Inc.	1.51
48	Orangeville Hydro Limited	0.20
49	Orillia Power Distribution Corporation	0.22
50	Oshawa PUC Networks Inc.	1.48
51	Ottawa River Power Corporation	0.12
52	Peterborough Distribution Incorporated	0.46
53	PUC Distribution Inc.	0.65
54	Renfrew Hydro Inc.	0.05
55	Rideau St. Lawrence Distribution Inc.	0.07
56	Sioux Lookout Hydro Inc.	0.08
57	St. Thomas Energy Inc.	0.28
58	Thunder Bay Hydro Electricity Distribution Inc.	0.82
59	Tillsonburg Hydro Inc.	0.12
60	Toronto Hydro-Electric System Limited	15.57
61	Veridian Connections Inc.	2.39
62	Wasaga Distribution Inc.	0.18
63	Waterloo North Hydro Inc.	0.96
64	Welland Hydro-Electric System Corp.	0.31
65	Wellington North Power Inc.	0.06
66	West Coast Huron Energy Inc.	0.06
67	Westario Power Inc.	0.37
68	Whitby Hydro Electric Corporation	1.12
Total		100.00

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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 Verified 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		
6	2011-2014+2015 Extension Legacy Framework	Programs in market from 2011-2015 resulting from the April 23, 2010 GEA CDM Ministerial Directive and funded separately from 2015-2020 Conservation First Framework Programs but whose savings in 2015 are attributed towards the 2015-2020 Conservation First Framework target.
7	2015-2020 Conservation First Framework	Programs in market from 2015-2020 resulting from the March 31, 2014 CFF 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 from LDC CDM Plan Budgets that the IESO maintains to support LDC led program design and 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 First Framework.

11	Province-Wide Program	Programs available to all LDCs to deliver and that are consistent across the province.
12	Regional Program	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 Extension Legacy Framework.

Activity Terms

16	Participation	A measure of the level of program participation, such as number of projects, homes, equipment, etc..
17	Unit of Measure	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; audits performed; or projects completed;).

Savings Terms

18	Energy Savings	Energy savings attributable to conservation and demand management activities.
19	Peak Demand Savings	Peak Demand savings attributable to conservation and demand management 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 years).
23	Gross Savings	The energy or peak demand savings that have been reported based on a conservation and demand management program's participation tracking.
24	Net Savings	The energy or peak demand savings attributable to conservation and demand management activities, net of free-riders, spillover, etc.
25	Realization Rate	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 demand savings; etc.
26	Net-to-Gross Adjustment	The ratio of net savings to gross savings, which takes into account factors such as free-ridership, spillover, etc.
27	Free-ridership	The percentage of participants who would have implemented the program measure or practice in the absence of the program.
28	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.
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 Administrative Expense and IESO Value Added Services Cost.
34	Delivery Cost	<p>The sum of Total Administrative Expenses and Participant Incentives.</p> <p>All costs are presented based on the period reported by LDCs to the IESO, not necessarily associated with reported activity.</p> <p>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.</p> <p>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;</p>
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 by the program administrator, including incentive costs and excluding net costs incurred by the participant.
38	Levelized Unit Energy Cost Cost Effectiveness Test	A cost effectiveness test that normalizes the costs incurred by the program administrator per unit of energy or demand reduced.