

Cleveland Electric Illuminating Company Energy Efficiency Savings Summary

1 Incremental Savings and Expenditures from Programs in Year 2017

	Ex Ante Gross Savings			Realization Rate		Actual Expenditures			Participation		Weighted Program Measure Life	TRC Test Ratio ¹	PAC Test Ratio
	A	B	C	D	E	F	G=F/(A*1,000)	H=F/(C*1000)	I	J	K=C/A	L	M
	First Year Annual Energy Savings (MWh)	First Year Peak Demand Savings (MW)	Lifetime Savings (MWh)	Energy Savings (Ex Post Gross/Ex Ante Gross)	Demand Savings (Ex Post Gross/Ex Ante Gross)	Program Costs (\$)	Ex Ante First Year Cost Per First Year Annual Savings (\$/kWh)	Ex Ante Cost per Lifetime Savings (\$/kWh)	Participation Number	Unit Description (See Evaluation Report for Details)	Years	C/E Score By Program	C/E Score By Program
Residential Programs													
Appliance Turn-In	15,510	3.03	121,458	98%	84%	\$ 2,056,033	\$ 0.13	\$ 0.02	9,569	Appliances	7.8	5.22	3.57
Customer Action Program	45,851	12.01	653,608	-	-	\$ 74,979	< \$0.01	< \$0.01	1,484,621	See Appendix	14.3	3.16	509.05
Direct Load Control	0	0.00	-	-	-	\$ 93,445	\$ -	\$ -	7,055	Participants	-	N/A	N/A
Energy Efficient Homes	37,005	4.71	388,307	103%	100%	\$ 4,796,213	\$ 0.13	\$ 0.01	150,465	See Appendix	10.5	3.97	3.97
Energy Efficient Products	32,138	3.96	417,726	88%	88%	\$ 1,435,365	\$ 0.04	< \$0.01	222,581	See Appendix	13.0	7.98	14.32
Low Income Energy Efficiency	3,659	1	55,209	100%	99%	\$ 2,900,826	\$ 0.79	\$ 0.05	1,908	Application	15.1	0.93	0.93
Total Residential	134,163	24.24	1,636,308	96%	92%	\$ 11,356,861	\$ 0.08	\$ 0.01	1,876,199		12.2	3.68	7.73
Business Programs													
C&I Demand Response Program	0	368.03	-	-	-	\$ -	\$ -	\$ -	386	Participants	-	N/A	N/A
Customer Action Program - Small	13,128	2.98	169,850	-	-	\$ 102,309	\$ 0.01	< \$0.01	57,735	See Appendix	12.9	3.52	95.12
Customer Action Program - Large	370	0.16	5,223	-	-	\$ 3,055	\$ 0.01	< \$0.01	416	See Appendix	14.1	4.45	120.46
Energy Solutions for Business - Small	68,331	11.99	745,640	88%	86%	\$ 7,462,460	\$ 0.11	\$ 0.01	914	See Appendix	10.9	2.51	5.54
Energy Solutions for Business - Large	16,275	3.03	172,834	103%	104%	\$ 2,192,584	\$ 0.13	\$ 0.01	58	See Appendix	10.6	2.54	4.46
Government Tariff Lighting	27	0.01	274	-	-	\$ 8,503	\$ 0.32	\$ 0.03	4	Project	10.2	1.96	1.96
Mercantile (Approved) ²	10,850	1.41	139,309	95%	113%	\$ 544,628	\$ 0.05	< \$0.01	43	Application	12.8	N/A	12.81
Mercantile (Pending)	-	-	-	-	-	\$ -	\$ -	\$ -	-	Application	-	N/A	N/A
Total Business	108,980	387.61	1,233,130	91%	92%	\$ 10,313,539	\$ 0.09	\$ 0.01	59,556		11.3	2.92	6.62
Other Programs													
Energy Special Improvement District	0	0.00	-	-	-	\$ -	\$ -	\$ -	0	Project	-	N/A	N/A
Smart Grid Modernization Initiative	0	0.01	-	-	-	\$ -	\$ -	\$ -	22	Participants	-	N/A	N/A
T&D Improvements	1,789	0.65	-	-	-	\$ -	\$ -	\$ -	3	Project	-	N/A	N/A
Total Other	1,789	0.66	-	0%	0%	\$ -	\$ -	\$ -	25		-	-	-
Portfolio Total	244,932	412.50	2,869,438	94%	92%	\$ 21,670,400	\$ 0.09	\$ 0.01	1,935,780		11.7	3.30	7.20

¹ Any Program TRC score of 0.00 reflects no participants or kWh savings in the 2013-2016 program years. N/A reflects a TRC score is not applicable for that program. The Smart Grid Modernization Initiative, Transmission & Distribution Improvements, and Energy Special Improvement District programs have no reportable costs or TRC score

² In line with the Commission's Orders in 10-834-EL-POR and 12-665-EL-UNC, the Companies' evaluator has calculated Mercantile program cost effectiveness using the Utility Cost Test (UCT), not the Total Resource Cost (TRC) Test

2 Information Relative to Statutory Targets for Year 2017

3 year baseline retail normalized (mercantile, weather, opt-out, etc.) sales.	17,452,850
2017 Annual Benchmark Target (%)	1%
2017 Savings (MWh)	244,932
2017 Achievement (%)	140%

3 Banked Savings in Year 2017

2017 Excess Savings Banked Toward Future Compliance	98,804
Total Banked Savings Remaining After 2017	1,081,506

4 Opt Out - Three year baseline in 2017

Total Opt Out load (MWh)	1,559,313
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Ohio Edison Energy Efficiency Savings Summary

1 Incremental Savings and Expenditures from Programs in Year 2017

	Ex Ante Gross Savings			Realization Rate		Actual Expenditures			Participation		Weighted Program Measure Life	TRC Test Ratio ¹	PAC Test Ratio
	A	B	C	D	E	F	G=F/(A*1,000)	H=F/(C*1000)	I	J	K=C/A	L	M
	First Year Annual Energy Savings (MWh)	First Year Peak Demand Savings (MW)	Lifetime Savings (MWh)	Energy Savings (Ex Post Gross/Ex Ante Gross)	Demand Savings (Ex Post Gross/Ex Ante Gross)	Program Costs (\$)	Ex Ante First Year Cost Per First Year Annual Savings (\$/kWh)	Ex Ante Cost per Lifetime Savings (\$/kWh)	Participation Number	Unit Description (See Evaluation Report for Details)	Years	C/E Score By Program	C/E Score By Program
Residential Programs													
Appliance Turn-In	23,734	4.58	185,859	98%	84%	\$ 3,028,877	\$ 0.13	\$ -	14,550	Appliances	7.8	5.49	3.70
Customer Action Program	63,823	16.75	909,794	-	-	\$ 156,406	< \$0.01	< \$0.01	1,484,621	See Appendix	14.3	3.15	339.85
Direct Load Control	0	0.00	-	-	-	\$ 153,430	\$ -	\$ -	12,374	Participants	-	N/A	N/A
Energy Efficient Homes	53,034	6.24	556,502	104%	118%	\$ 6,667,753	\$ 0.13	\$ -	223,308	See Appendix	10.5	3.92	3.92
Energy Efficient Products	41,290	5.14	536,685	88%	88%	\$ 2,297,934	\$ 0.06	< \$0.01	312,095	See Appendix	13.0	6.78	11.55
Low Income Energy Efficiency	2,951	0	44,525	100%	98%	\$ 2,440,630	\$ 0.83	\$ 0.05	1,425	Application	15.1	0.89	0.89
Total Residential	184,831	33.11	2,233,365	97%	99%	\$ 14,745,030	\$ 0.08	\$ 0.01	2,048,373		12.1	3.72	8.08
Business Programs													
C&I Demand Response Program	0	305.61	-	-	-	\$ -	\$ -	\$ -	497	Participants	-	N/A	N/A
Customer Action Program - Small	31,348	6.80	405,582	-	-	\$ 77,115	< \$0.01	< \$0.01	78,910	See Appendix	12.9	3.56	297.21
Customer Action Program - Large	8,332	1.25	117,464	-	-	\$ 21,333	< \$0.01	< \$0.01	1,027	See Appendix	14.1	3.32	277.07
Energy Solutions for Business - Small	66,909	10.78	730,125	101%	97%	\$ 6,357,608	\$ 0.10	\$ 0.01	1,146	See Appendix	10.9	2.47	6.24
Energy Solutions for Business - Large	29,781	4.21	316,270	97%	91%	\$ 3,512,540	\$ 0.12	\$ 0.01	157	See Appendix	10.6	2.50	4.78
Government Tariff Lighting	1	0.00	13	-	-	\$ 7,130	\$ 5.60	\$ 0.55	1	Project	10.2	0.11	0.11
Mercantile (Approved) ²	26,261	2.48	337,195	104%	116%	\$ 1,370,620	\$ 0.05	< \$0.01	59	Application	12.8	N/A	11.65
Mercantile (Pending)	-	-	-	-	-	\$ -	\$ -	\$ -	-	Application	-	N/A	N/A
Total Business	162,632	331.13	1,906,648	101%	99%	\$ 11,346,347	\$ 0.07	\$ 0.01	81,797		11.7	3.25	8.92
Other Programs													
Energy Special Improvement District	0	0.00	-	-	-	\$ -	\$ -	\$ -	0	Project	-	N/A	N/A
Smart Grid Modernization Initiative	0	0.00	-	-	-	\$ -	\$ -	\$ -	-	Participants	-	N/A	N/A
T&D Improvements	1,532	0.50	-	-	-	\$ -	\$ -	\$ -	3	Project	-	N/A	N/A
Total Other	1,532	0.50	-	0%	0%	\$ -	\$ -	\$ -	3		-	-	-
Portfolio Total	348,995	364.74	4,140,013	99%	99%	\$ 26,091,377	\$ 0.07	\$ 0.01	2,130,173		11.9	3.49	8.45

¹ Any Program TRC score of 0.00 reflects no participants or kWh savings in the 2013-2016 program years. N/A reflects a TRC score is not applicable for that program. The Smart Grid Modernization Initiative, Transmission & Distribution Improvements, and Energy Special Improvement District programs have no reportable costs or TRC score

² In line with the Commission's Orders in 10-834-EL-POR and 12-665-EL-UNC, the Companies' evaluator has calculated Mercantile program cost effectiveness using the Utility Cost Test (UCT), not the Total Resource Cost (TRC) Test

2 Information Relative to Statutory Targets for Year 2017

3 year baseline retail normalized (mercantile, weather, opt-out, etc.) sales.	22,389,259
2017 Annual Benchmark Target (%)	1%
2017 Savings (MWh)	348,995
2017 Achievement (%)	156%

3 Banked Savings in Year 2017

2017 Excess Savings Banked Toward Future Compliance	195,006
Total Banked Savings Remaining After 2017	884,608

4 Opt Out - Three year baseline in 2017

Total Opt out load (MWh)	1,948,991
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Toledo Edison Energy Efficiency Savings Summary

1 Incremental Savings and Expenditures from Programs in Year 2017

	Ex Ante Gross Savings			Realization Rate		Actual Expenditures			Participation		Weighted Program Measure Life	TRC Test Ratio ¹	PAC Test Ratio
	A	B	C	D	E	F	G=F/(A*1,000)	H=F/(C*1000)	I	J	K=C/A	L	M
	First Year Annual Energy Savings (MWh)	First Year Peak Demand Savings (MW)	Lifetime Savings (MWh)	Energy Savings (Ex Post Gross/Ex Ante Gross)	Demand Savings (Ex Post Gross/Ex Ante Gross)	Program Costs (\$)	Ex Ante First Year Cost Per First Year Annual Savings (\$/kWh)	Ex Ante Cost per Lifetime Savings (\$/kWh)	Participation Number	Unit Description (See Evaluation Report for Details)	Years	C/E Score By Program	C/E Score By Program
Residential Programs													
Appliance Turn-In	5,389	1.06	42,204	98%	84%	\$ 760,043	\$ 0.14	\$ 0.02	3,335	Appliances	7.8	4.77	3.36
Customer Action Program	18,302	4.88	260,893	-	-	\$ 55,544	< \$0.01	< \$0.01	408,034	See Appendix	14.3	3.13	275.89
Direct Load Control	0	0.00	-	-	-	\$ 26,695	\$ -	\$ -	1,735	Participants	-	N/A	N/A
Energy Efficient Homes	13,482	1.53	141,470	102%	110%	\$ 1,952,409	\$ 0.14	\$ 0.01	60,052	See Appendix	10.5	3.86	3.86
Energy Efficient Products	11,558	1.41	150,225	87%	87%	\$ 564,453	\$ 0.05	< \$0.01	75,739	See Appendix	13.0	7.80	13.13
Low Income Energy Efficiency	1,349	0	20,350	101%	100%	\$ 1,338,340	\$ 0.99	\$ 0.07	805	Application	15.1	0.74	0.74
Total Residential	50,079	9.06	615,142	96%	95%	\$ 4,697,483	\$ 0.09	\$ 0.01	549,700		12.3	3.49	7.20
Business Programs													
C&I Demand Response Program	0	138.69	-	-	-	\$ -	\$ -	\$ -	112	Participants	-	N/A	N/A
Customer Action Program - Small	3,254	0.93	42,105	-	-	\$ 31,659	\$ 0.01	< \$0.01	23,971	See Appendix	12.9	3.75	81.93
Customer Action Program - Large	7	0.00	98	-	-	\$ 70	\$ 0.01	< \$0.01	424	See Appendix	14.1	3.87	84.68
Energy Solutions for Business - Small	24,181	3.61	263,868	100%	71%	\$ 2,036,030	\$ 0.08	\$ 0.01	418	See Appendix	10.9	2.44	6.92
Energy Solutions for Business - Large	16,038	2.69	170,320	102%	99%	\$ 1,849,880	\$ 0.12	\$ 0.01	86	See Appendix	10.6	2.63	5.08
Government Tariff Lighting	7	0.00	68	-	-	\$ 1,789	\$ 0.27	\$ 0.03	2	Project	10.2	2.30	2.30
Mercantile (Approved) ²	9,419	0.78	120,937	100%	143%	\$ 594,194	\$ 0.06	< \$0.01	21	Application	12.8	N/A	9.46
Mercantile (Pending)	-	-	-	-	-	\$ -	\$ -	\$ -	-	Application	-	N/A	N/A
Total Business	52,906	146.70	597,396	100%	90%	\$ 4,513,623	\$ 0.09	\$ 0.01	25,034		11.3	3.12	7.03
Other Programs													
Energy Special Improvement District	0	0.00	-	-	-	\$ -	\$ -	\$ -	0	Project	-	N/A	N/A
Smart Grid Modernization Initiative	0	0.00	-	-	-	\$ -	\$ -	\$ -	-	Participants	-	N/A	N/A
T&D Improvements	304	0.10	-	-	-	\$ -	\$ -	\$ -	6	Project	-	N/A	N/A
Total Other	304	0.10	-	0%	0%	\$ -	\$ -	\$ -	6		-	-	-
Portfolio Total	103,289	155.87	1,212,538	99%	92%	\$ 9,211,106	\$ 0.09	\$ 0.01	574,740		11.7	3.30	7.12

¹ Any Program TRC score of 0.00 reflects no participants or kWh savings in the 2013-2016 program years. N/A reflects a TRC score is not applicable for that program. The Smart Grid Modernization Initiative, Transmission & Distribution Improvements, and Energy Special Improvement District programs have no reportable costs or TRC score

² In line with the Commission's Orders in 10-834-EL-POR and 12-665-EL-UNC, the Companies' evaluator has calculated Mercantile program cost effectiveness using the Utility Cost Test (UCT), not the Total Resource Cost (TRC) Test

2 Information Relative to Statutory Targets for Year 2017

3 year baseline retail normalized (mercantile, weather, opt-out, etc.) sales.	7,388,218
2017 Annual Benchmark Target (%)	1%
2017 Savings (MWh)	103,289
2017 Achievement (%)	140%

3 Banked Savings in Year 2017

2017 Excess Savings Banked Toward Future Compliance	41,112
Total Banked Savings Remaining After 2017	439,070

4 Opt Out - Three year baseline in 2017

Total Opt Out load (MWh)	3,172,453
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FirstEnergy Energy Efficiency Savings Summary

1 Incremental Savings and Expenditures from Programs in Year 2017

	Ex Ante Gross Savings			Realization Rate		Actual Expenditures			Participation		Weighted Program Measure Life	TRC Test Ratio ¹	PAC Test Ratio
	A	B	C	D	E	F	G=F/(A*1,000)	H=F/(C*1000)	I	J	K=C/A	L	M
	First Year Annual Energy Savings (MWh)	First Year Peak Demand Savings (MW)	Lifetime Savings (MWh)	Energy Savings (Ex Post Gross/Ex Ante Gross)	Demand Savings (Ex Post Gross/Ex Ante Gross)	Program Costs (\$)	Ex Ante First Year Cost Per First Year Annual Savings (\$/kWh)	Ex Ante Cost per Lifetime Savings (\$/kWh)	Participation Number	Unit Description (See Evaluation Report for Details)	Years	C/E Score By Program	C/E Score By Program
Residential Programs													
Appliance Turn-In	44,633	8.67	349,521	98%	84%	\$ 5,844,953	\$ 0.13	\$ 0.02	27,454	Appliances	7.8	5.30	3.61
Customer Action Program	127,976	33.64	1,824,295	-	-	\$ 286,929	< \$0.01	< \$0.01	3,377,276	See Appendix	14.3	3.15	371.68
Direct Load Control	0	0.00	-	-	-	\$ 273,570	\$ -	\$ -	21,164	Participants	-	N/A	N/A
Energy Efficient Homes	103,521	12.47	1,086,279	103%	110%	\$ 13,416,374	\$ 0.13	\$ 0.01	433,825	See Appendix	10.5	3.93	3.93
Energy Efficient Products	84,985	10.50	1,104,636	88%	88%	\$ 4,297,752	\$ 0.05	< \$0.01	610,415	See Appendix	13.0	7.33	12.68
Low Income Energy Efficiency	7,958	1	120,085	100%	99%	\$ 6,679,796	\$ 0.84	\$ 0.06	4,138	Applications	15.1	0.88	0.88
Total Residential	369,073	66.41	4,484,815	97%	96%	\$ 30,799,374	\$ 0.08	\$ 0.01	4,474,272		12.2	3.67	7.82
Business Programs													
C&I Demand Response Program	0	812.34	-	-	-	\$ -	\$ -	\$ -	995	Participants	-	N/A	N/A
Customer Action Program - Small	47,730	10.70	617,538	-	-	\$ 211,083	< \$0.01	< \$0.01	160,616	See Appendix	12.9	3.56	166.97
Customer Action Program - Large	8,710	1.41	122,784	-	-	\$ 24,459	< \$0.01	< \$0.01	1,867	See Appendix	14.1	3.37	256.96
Energy Solutions for Business - Small	159,421	26.38	1,739,633	95%	88%	\$ 15,856,099	\$ 0.10	\$ 0.01	2,478	See Appendix	10.9	2.48	6.00
Energy Solutions for Business - Large	62,094	9.92	659,423	100%	97%	\$ 7,555,004	\$ 0.12	\$ 0.01	301	See Appendix	10.6	2.54	4.76
Government Tariff Lighting	35	0.01	355	-	-	\$ 17,422	\$ 0.50	\$ 0.05	7	Project	10.2	1.24	1.24
Mercantile (Approved) ²	46,530	4.67	597,441	101%	120%	\$ 2,509,442	\$ 0.05	< \$0.01	123	Applications	12.8	N/A	11.38
Mercantile (Pending)	-	-	-	-	-	\$ -	\$ -	\$ -	-	Applications	-	N/A	N/A
Total Business	324,518	865.43	3,737,174	97%	94%	\$ 26,173,509	\$ 0.08	\$ 0.01	166,387		11.5	3.11	7.69
Other Programs													
Energy Special Improvement District	0	0.00	-	-	-	\$ -	\$ -	\$ -	0	Project	-	N/A	N/A
Smart Grid Modernization Initiative	0	0.01	-	-	-	\$ -	\$ -	\$ -	22	Participants	-	N/A	N/A
T&D Improvements	3,625	1.25	-	-	-	\$ -	\$ -	\$ -	12	Project	-	N/A	N/A
Total Other	3,626	1.26	-	0%	0%	\$ -	\$ -	\$ -	34		-	-	-
Portfolio Total	697,217	933.11	8,221,989	97%	95%	\$ 56,972,883	\$ 0.08	\$ 0.01	4,640,693		11.8	3.39	7.76

¹ Any Program TRC score of 0.00 reflects no participants or kWh savings in the 2013-2016 program years. N/A reflects a TRC score is not applicable for that program. The Smart Grid Modernization Initiative, Transmission & Distribution Improvements, and Energy Special Improvement District programs have no reportable costs or TRC score

² In line with the Commission's Orders in 10-834-EL-POR and 12-665-EL-UNC, the Companies' evaluator has calculated Mercantile program cost effectiveness using the Utility Cost Test (UCT), not the Total Resource Cost (TRC) Test

2 Information Relative to Statutory Targets for Year 2017

3 year baseline retail normalized (mercantile, weather, opt-out, etc.) sales.	46,297,618
2017 Annual Benchmark Target (%)	1%
2017 Savings (MWh)	697,217
2017 Achievement (%)	151%

3 Banked Savings in Year 2017

2017 Excess Savings Banked Toward Future Compliance	352,754
Total Banked Savings Remaining After 2017	2,405,184

4 Opt Out - Three year baseline in 2017

Total Opt Out load (MWh)	6,680,757
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