

Duke Energy Ohio
2017 True Up
Shared Savings Achievement Tier

Achievement Level

	2017 Achievement from Shared Savings Portfolio	300,811
1	+ Use of Incentive Bank, if any	0
	= Total Claimed Impacts	300,811
	/ Mandate excluding Mercantile	198,537
	= Achievement	152%
	- Achievement for 2017	198,537
	= Impacts to Bank, if any	102,274

Achievement Tiers

Achievement of Annual Target	After-Tax Shared Savings
<100	0.00%
>100-106	6.00%
>106-112	9.00%
>112	12.00%

Shared Savings Rate Earned and Tax Gross-up

2	After-Tax Achievement Rate Achieved	0.0%
	/ Tax Grossup Factor	77.8410%
	= Pre-Tax Achievement Rate	0.00% rounded to nearest basis point

Bank

	Starting Incentive Bank from Prior Year's True-up Filing	207,608
	- Use of Incentive Bank, if any	0
	+ Banked Impacts	102,274
	= Ending Incentive Bank	309,882

1 - Use of incentive bank to achieve incentive level is disallowed per pending settlement agreement in Case Nos. 14-0457-EL-RDR and 15-0534-EL-RDR.

2 - Shared savings rate for 2017 is 0% based on waiver approval in Case No. 16-0576-EL-POR.

Duke Energy Ohio
2017 True Up
Total Revenue Requirement

	Res	NonRes	Total
Shared Savings Revenue	9,085,353	41,253,775	50,339,129
Lost Revenues	0	2,801,537	2,801,537
Mercantile Self-Direct Cost Recovery		1,111,531	1,111,531
Total Revenue Requirement	9,085,353	45,166,843	54,252,197

Duke Energy Ohio
2017 True Up - Program Summary

Program	Impacts & Participants			Shared Savings Calculation: (Avoided Cost minus Program Costs) x Sharing Rate								Cost Recovery				Revenue Requirement		
	A	B	C	D	E	G	H	I	J	K	L	M	N	O	P	Q	R	S
	Annual KWH Gross FR @ Plant Total (Annualized)	Annual KW Gross FR @ Plant Total (Annualized)	Participants	Total NPV Avoided Cost of Capacity / Total	Total NPV Avoided Cost of Energy / Total	Total NPV Avoided Cost of T&D / Total	Total Avoided Costs	Total Costs	Shared Savings Pool	Shared Savings Tier, pre-tax	Shared Savings Revenue	Non-M&V Costs	M&V Costs	Total Costs	Cost Recovery Revenue	Total Revenue	Lost Revenue Make-Whole \$	Total Revenue Requirement
Unit Type	KWH data	KW data	# of Measure Units data	\$ data	\$ data	\$ data	\$ D+E+G	\$ O	\$ H-I	% data	\$ J x K	\$ data	\$ data	\$ M+N	\$ O	\$ L+P	\$ data	\$ Q+R
Shared Savings Recovery																		
Res																		
Energy Efficiency																		
Energy Efficiency Education Program for Schools	4,191,192	1,128	7,850	\$ 630,426	\$ 1,534,518	\$ 473,837	\$ 2,638,780	\$ 679,661	\$ 1,959,119	0.00%	\$ -	\$ 654,871	\$ 24,790	\$ 679,661	\$ 679,661	\$ 679,661	\$ -	\$ 679,661
Home Energy Comparison Report	81,532,319	20,848	296,616	\$ 2,221,707	\$ 5,792,069	\$ 1,508,398	\$ 9,522,173	\$ 2,387,859	\$ 7,134,314	0.00%	\$ -	\$ 2,387,859	\$ -	\$ 2,387,859	\$ 2,387,859	\$ 2,387,859	\$ -	\$ 2,387,859
Low Income Neighborhood Program	500,665	153	1,120	\$ 92,265	\$ 225,270	\$ 68,551	\$ 386,085	\$ 504,069	\$ (117,983)	0.00%	\$ -	\$ 419,317	\$ 84,752	\$ 504,069	\$ 504,069	\$ 504,069	\$ -	\$ 504,069
Residential Energy Assessments	2,097,980	260	10,607	\$ 233,773	\$ 1,600,680	\$ 158,787	\$ 1,993,240	\$ 714,651	\$ 1,278,589	0.00%	\$ -	\$ 670,804	\$ 43,847	\$ 714,651	\$ 714,651	\$ 714,651	\$ -	\$ 714,651
Smart Saver Residential	20,572,728	3,745	416,582	\$ 2,501,232	\$ 11,037,949	\$ 1,882,439	\$ 15,421,621	\$ 3,999,626	\$ 11,421,995	0.00%	\$ -	\$ 3,588,440	\$ 411,186	\$ 3,999,626	\$ 3,999,626	\$ 3,999,626	\$ -	\$ 3,999,626
Low Income Weatherization - Pay for Performance	545,181	68	6,282	\$ 33,314	\$ 183,739	\$ 22,689	\$ 239,741	\$ 187,038	\$ 52,703	0.00%	\$ -	\$ 187,038	\$ -	\$ 187,038	\$ 187,038	\$ 187,038	\$ -	\$ 187,038
Total	109,440,665	26,201	739,057	\$ 5,712,717	\$ 20,374,224	\$ 4,114,700	\$ 30,201,641	\$ 8,472,905	\$ 21,728,736	\$ -	\$ -	\$ 7,908,330	\$ 564,575	\$ 8,472,905	\$ 8,472,905	\$ 8,472,905	\$ -	\$ 8,472,905
Demand Response																		
Power Manager*		64,483		\$ 5,623,706	\$ -	\$ 3,342,668	\$ 8,966,374	\$ 612,448	\$ 8,353,926	0.00%	\$ -	\$ 529,466	\$ 82,982	\$ 612,448	\$ 612,448	\$ 612,448	\$ -	\$ 612,448
Total		64,483		\$ 5,623,706	\$ -	\$ 3,342,668	\$ 8,966,374	\$ 612,448	\$ 8,353,926	\$ -	\$ -	\$ 529,466	\$ 82,982	\$ 612,448	\$ 612,448	\$ 612,448	\$ -	\$ 612,448
NonRes																		
Energy Efficiency																		
Power Manager* for Business		0	0	\$ -	\$ -	\$ -	\$ -	\$ 114,187	\$ (114,187)	0.00%	\$ -	\$ 114,187	\$ -	\$ 114,187	\$ 114,187	\$ 114,187	\$ -	\$ 114,187
Smart Saver Non Residential Custom	33,825,399	4,402	4,095	\$ 3,866,427	\$ 15,092,862	\$ 3,332,847	\$ 22,292,136	\$ 4,199,640	\$ 18,092,496	0.00%	\$ -	\$ 4,000,153	\$ 199,487	\$ 4,199,640	\$ 4,199,640	\$ 4,199,640	\$ 559,652	\$ 4,759,292
Smart Saver Non Residential Performance Incentive Program	0	0	0	\$ -	\$ -	\$ -	\$ -	\$ 1,673	\$ (1,673)	0.00%	\$ -	\$ 1,673	\$ -	\$ 1,673	\$ 1,673	\$ 1,673	\$ -	\$ 1,673
Smart Saver Non Residential Prescriptive	140,986,985	27,140	1,823,570	\$ 15,216,747	\$ 60,519,074	\$ 10,040,408	\$ 85,776,229	\$ 31,947,228	\$ 53,829,001	0.00%	\$ -	\$ 31,946,730	\$ 498	\$ 31,947,228	\$ 31,947,228	\$ 31,947,228	\$ 1,678,422	\$ 33,625,650
Small Business Energy Saver	16,558,222	3,301	15,652,562	\$ 2,309,459	\$ 10,520,091	\$ 1,476,215	\$ 14,305,764	\$ 3,515,948	\$ 10,789,816	0.00%	\$ -	\$ 3,314,637	\$ 201,311	\$ 3,515,948	\$ 3,515,948	\$ 3,515,948	\$ 563,463	\$ 4,079,411
Total	191,370,605	34,843	17,480,227	\$ 21,392,633	\$ 86,132,027	\$ 14,849,470	\$ 122,374,130	\$ 39,778,676	\$ 82,595,454	\$ -	\$ -	\$ 39,377,380	\$ 401,296	\$ 39,778,676	\$ 39,778,676	\$ 39,778,676	\$ 2,801,537	\$ 42,580,213
Demand Response																		
PowerShare*		51,095		\$ 4,546,966	\$ -	\$ 2,825,270	\$ 7,372,235	\$ 1,475,099	\$ 5,897,136	0.00%	\$ -	\$ 1,452,516	\$ 22,583	\$ 1,475,099	\$ 1,475,099	\$ 1,475,099	\$ -	\$ 1,475,099
Total		51,095		\$ 4,546,966	\$ -	\$ 2,825,270	\$ 7,372,235	\$ 1,475,099	\$ 5,897,136	\$ -	\$ -	\$ 1,452,516	\$ 22,583	\$ 1,475,099	\$ 1,475,099	\$ 1,475,099	\$ -	\$ 1,475,099
Total	300,810,670	176,622	18,219,284	\$ 37,276,022	\$ 106,506,251	\$ 25,132,108	\$ 168,914,381	\$ 50,339,129	\$ 118,575,252	\$ -	\$ -	\$ 49,267,693	\$ 1,071,436	\$ 50,339,129	\$ 50,339,129	\$ 50,339,129	\$ 2,801,537	\$ 53,140,666
Cost Recovery Only																		
NonRes																		
Energy Efficiency																		
Mercantile Self-Direct	9,216,612	1,113	1,299									\$ 1,111,531	\$ -	\$ 1,111,531	\$ 1,111,531	\$ 1,111,531	\$ -	\$ 1,111,531
Total	9,216,612	1,113	1,299									\$ 1,111,531	\$ -	\$ 1,111,531	\$ 1,111,531	\$ 1,111,531	\$ -	\$ 1,111,531
Other EE Programs and Impacts																		
Res																		
Energy Efficiency																		
Low Income Weatherization	1,710,449	460	1,622															
Total	1,710,449	460	1,622															
Total	1,710,449	460	1,622															
Total	311,737,731	178,195	18,222,205	\$ 37,276,022	\$ 106,506,251	\$ 25,132,108	\$ 168,914,381	\$ 50,339,129	\$ 118,575,252	\$ -	\$ -	\$ 50,379,224	\$ 1,071,436	\$ 51,450,660	\$ 51,450,660	\$ 51,450,660	\$ 2,801,537	\$ 54,252,197
Energy Efficiency																		
Res Total	111,150,513	26,661	740,679	\$ 5,712,717	\$ 20,374,224	\$ 4,114,700	\$ 30,201,641	\$ 8,472,905	\$ 21,728,736	\$ -	\$ -	\$ 7,908,330	\$ 564,575	\$ 8,472,905	\$ 8,472,905	\$ 8,472,905	\$ -	\$ 8,472,905
NonRes Total	200,587,217	35,956	17,481,526	\$ 21,392,633	\$ 86,132,027	\$ 14,849,470	\$ 122,374,130	\$ 39,778,676	\$ 82,595,454	\$ -	\$ -	\$ 40,488,911	\$ 401,296	\$ 40,890,207	\$ 40,890,207	\$ 40,890,207	\$ 2,801,537	\$ 43,691,744

Non-Res LR Rate calculation based upon prior period achievement and dollars

NR LR Rate		0.011613		
Non Res Totals	\$	2,801,537	\$	543,222
				\$ 241,234,747

Program	Product Code of Measure	Rate Class	Transaction Year	Lost Revenue KWH Dollars	Monthly Lost Revenue kW	Monthly Lost Revenue kWh
Appliance Recycling Program	FRCYCL	RS	2014		258.78	138,481.13
Appliance Recycling Program	FRCYCL	RS	2015		271.32	160,609.24
Appliance Recycling Program	FRCYCL	RS	2016		7.39	4,377.19
Appliance Recycling Program	FRCYCL	RS01	2015		1.14	673.41
Appliance Recycling Program	RRCYCL	RS	2014		1,120.48	726,270.62
Appliance Recycling Program	RRCYCL	RS	2015		1,296.23	1,031,477.69
Appliance Recycling Program	RRCYCL	RS	2016		40.54	32,258.88
Appliance Recycling Program	RRCYCL	RS01	2014		9.47	5,951.50
Appliance Recycling Program	RRCYCL	RS01	2015		12.67	10,080.90
Appliance Recycling Program	RRCYCL	RS3P	2014		0.25	201.62
Energy Efficiency Education Program for Schools	K12PRF	RS	2014		13,432.10	1,089,015.00
Energy Efficiency Education Program for Schools	K12PRF	RS	2015		9,284.24	1,702,710.00
Energy Efficiency Education Program for Schools	K12PRF	RS	2016		12,668.84	4,874,731.00
Energy Efficiency Education Program for Schools	K12PRF	RS	2017		5,536.92	2,162,333.33
Energy Efficiency Education Program for Schools	K12PRF	RS01	2014		10.23	829.50
Energy Efficiency Education Program for Schools	K12PRF	RS01	2015		5.19	1,996.00
Energy Efficiency Education Program for Schools	K12PRF	RS01	2016		16.86	6,487.00
Energy Efficiency Education Program for Schools	K12PRF	RS01	2017		8.04	3,201.92
Energy Efficiency Education Program for Schools	K12PRF	RS3P	2014		2.68	217.25
Home Energy Comparison Report	HECR	RS	2014		-	-
Home Energy Comparison Report	HECR	RS	2015		-	-
Home Energy Comparison Report	HECR	RS	2016		-	-
Home Energy Comparison Report	HECR	RS	2017		202,386.16	78,458,397.70
Home Energy Solutions	HES	RS	2014			516,444.33
Home Energy Solutions	HES	RS	2015			1,167,788.00
Home Energy Solutions	HES	RS	2016			561,152.00
Home Energy Solutions	HES	RS01	2014			1,278.67
Low Income Neighborhood Program	HWLI	RS	2014		1,368.07	526,407.00
Low Income Neighborhood Program	HWLI	RS	2015		2,514.79	710,928.97
Low Income Neighborhood Program	HWLI	RS	2016		2,091.15	527,837.86
Low Income Neighborhood Program	HWLI	RS	2017		673.27	170,013.63
Low Income Neighborhood Program	HWLI	RS01	2014		8.98	3,454.50
Low Income Neighborhood Program	HWLI	RS01	2015		5.55	1,705.46
Low Income Neighborhood Program	HWLI	RS01	2016		53.83	13,587.09
Low Income Neighborhood Program	HWLI	RS01	2017		12.64	3,190.91
Mercantile Self-Direct	NRCSSD	DP	2014		2,623.83	1,916,817.19
Mercantile Self-Direct	NRCSSD	DP	2016		229.82	55,033.75
Mercantile Self-Direct	NRCSSD	DP	2017		8,701.34	5,583,479.09
Mercantile Self-Direct	NRCSSD	DS	2014		141.72	103,532.23
Mercantile Self-Direct	NRCSSD	DS	2015		2,909.32	2,951,607.76
Mercantile Self-Direct	NRCSSD	DS	2016		854.73	460,581.30
Mercantile Self-Direct	NRCSSD	TS	2015		2,819.82	2,052,332.04
Mercantile Self-Direct	NRCSSD	TS	2016		54,524.25	38,793,171.03
Mercantile Self-Direct	NRCSSD	TS	2017		3,747.27	917,334.19
Mercantile Self-Direct	NRPRSD	DP	2014		64.80	33,723.33
Mercantile Self-Direct	NRPRSD	DP	2015		109.22	40,500.00
Mercantile Self-Direct	NRPRSD	DS	2014		197.50	111,667.20
Mercantile Self-Direct	NRPRSD	DS	2015		17.35	6,434.94
Mercantile Self-Direct	NRPRSD	DS	2017		330.66	135,396.06
Mercantile Self-Direct	NRPRSD	TS	2017		448.85	174,149.07
Residential Energy Assessments	HEHC	RS	2014		7,799.79	786,054.33
Residential Energy Assessments	HEHC	RS	2015		15,331.41	1,727,747.00
Residential Energy Assessments	HEHC	RS	2016		4,767.77	1,864,409.58
Residential Energy Assessments	HEHC	RS	2017		3,208.85	1,281,472.44
Residential Energy Assessments	HEHC	RS01	2014		1.57	158.50
Residential Energy Assessments	HEHC	RS01	2015		6.29	634.00
Residential Energy Assessments	HEHC	RS01	2016		11.20	4,394.28
Residential Energy Assessments	HEHC	RS01	2017		3.31	1,257.12
Residential Energy Assessments	HEHC	RS3P	2016		2.41	981.08
Residential Energy Assessments	HEHC	RS3P	2017		0.41	183.06
Smart Saver Non Residential Custom	NRPRSC	DM	2014		60.21	15,715.91
Smart Saver Non Residential Custom	NRPRSC	DM	2015		340.18	127,886.34
Smart Saver Non Residential Custom	NRPRSC	DM	2016		101.06	54,295.16
Smart Saver Non Residential Custom	NRPRSC	DM	2017		83.88	28,159.66
Smart Saver Non Residential Custom	NRPRSC	DP	2014	\$	26,419	2,663,853.21
Smart Saver Non Residential Custom	NRPRSC	DP	2015	\$	71,760	7,235,756.98
Smart Saver Non Residential Custom	NRPRSC	DP	2016	\$	8,886.21	6,021,084.70
Smart Saver Non Residential Custom	NRPRSC	DP	2017	\$	12,594	1,269,869.73
Smart Saver Non Residential Custom	NRPRSC	DS	2014	\$	38,201	2,355,234.42
Smart Saver Non Residential Custom	NRPRSC	DS	2015	\$	133,439	8,227,055.63
Smart Saver Non Residential Custom	NRPRSC	DS	2016	\$	148,439	9,151,844.85
Smart Saver Non Residential Custom	NRPRSC	DS	2017	\$	7,245.79	4,259,483.24
Smart Saver Non Residential Custom	NRPRSC	EH	2015		47.48	15,690.31
Smart Saver Non Residential Custom	NRPRSC	EH	2017		25.53	10,451.37
Smart Saver Non Residential Custom	NRPRSC	TS	2014		5,525.12	2,988,881.36
Smart Saver Non Residential Custom	NRPRSC	TS	2015		20,583.12	13,885,322.46
Smart Saver Non Residential Custom	NRPRSC	TS	2016		5,880.34	4,295,715.28
Smart Saver Non Residential Custom	NRPRSC	TS	2017		4,922.24	3,119,320.53
Smart Saver Non Residential Prescriptive	NRFS	DM	2014		4.28	2,739.64
Smart Saver Non Residential Prescriptive	NRFS	DM	2015		-	-
Smart Saver Non Residential Prescriptive	NRFS	DM	2016		12.24	8,938.20
Smart Saver Non Residential Prescriptive	NRFS	DM	2017		4.77	3,341.53
Smart Saver Non Residential Prescriptive	NRFS	DP	2014	\$	-	-
Smart Saver Non Residential Prescriptive	NRFS	DP	2015	\$	9	925.03
Smart Saver Non Residential Prescriptive	NRFS	DP	2016	\$	1,089	109,784.63
Smart Saver Non Residential Prescriptive	NRFS	DP	2017	\$	595	60,009.98
Smart Saver Non Residential Prescriptive	NRFS	DS	2014	\$	742	45,736.17
Smart Saver Non Residential Prescriptive	NRFS	DS	2015	\$	2,642	162,901.25
Smart Saver Non Residential Prescriptive	NRFS	DS	2016	\$	3,047	187,871.20
Smart Saver Non Residential Prescriptive	NRFS	DS	2017	\$	5,950	366,814.28
Smart Saver Non Residential Prescriptive	NRFS	EH	2014		5.19	2,560.33
Smart Saver Non Residential Prescriptive	NRFS	EH	2015		33.03	13,270.54
Smart Saver Non Residential Prescriptive	NRFS	EH	2016		0.37	267.72
Smart Saver Non Residential Prescriptive	NRFS	EH	2017		5.25	2,873.14
Smart Saver Non Residential Prescriptive	NRFS	TS	2017		16.87	9,565.77
Smart Saver Non Residential Prescriptive	NRHVAC	DM	2014		107.91	41,151.07
Smart Saver Non Residential Prescriptive	NRHVAC	DM	2015		184.01	67,879.56
Smart Saver Non Residential Prescriptive	NRHVAC	DM	2016		118.05	61,511.23
Smart Saver Non Residential Prescriptive	NRHVAC	DM	2017		134.94	51,660.44
Smart Saver Non Residential Prescriptive	NRHVAC	DP	2014	\$	1,186	119,608.61
Smart Saver Non Residential Prescriptive	NRHVAC	DP	2015	\$	632	63,699.30
Smart Saver Non Residential Prescriptive	NRHVAC	DP	2016	\$	616	62,090.86
Smart Saver Non Residential Prescriptive	NRHVAC	DP	2017	\$	1,528	154,044.84
Smart Saver Non Residential Prescriptive	NRHVAC	DS	2014	\$	3,699	228,032.46
Smart Saver Non Residential Prescriptive	NRHVAC	DS	2015	\$	15,148	933,943.09
Smart Saver Non Residential Prescriptive	NRHVAC	DS	2016	\$	7,481	461,222.43
Smart Saver Non Residential Prescriptive	NRHVAC	DS	2017	\$	7,220	445,144.89
Smart Saver Non Residential Prescriptive	NRHVAC	EH	2014		25.59	51,595.31
Smart Saver Non Residential Prescriptive	NRHVAC	EH	2015		58.00	21,590.96
Smart Saver Non Residential Prescriptive	NRHVAC	EH	2016		19.86	7,250.62
Smart Saver Non Residential Prescriptive	NRHVAC	EH	2017		67.24	25,654.78
Smart Saver Non Residential Prescriptive	NRHVAC	TS	2014		-	-
Smart Saver Non Residential Prescriptive	NRHVAC	TS	2015		47.55	17,633.66
Smart Saver Non Residential Prescriptive	NRHVAC	TS	2016		37.63	14,015.41

Non-Res LR Rate calculation based upon prior period achievement and dollars

NR LR Rate	0.011613
Non Res Totals	\$ 2,801,537 \$ 543,222 \$ 241,234,747

Program	Product Code of Measure	Rate Class	Transaction Year	Lost Revenue KWH Dollars	Monthly Lost Revenue kW	Monthly Lost Revenue kWh
Smart Saver Non Residential Prescriptive	NRHVAC	TS	2017		248.67	92,214.74
Smart Saver Non Residential Prescriptive	NRIT	DM	2014		0.30	114.00
Smart Saver Non Residential Prescriptive	NRIT	DM	2015		0.38	144.00
Smart Saver Non Residential Prescriptive	NRIT	DM	2016		0.08	56.73
Smart Saver Non Residential Prescriptive	NRIT	DP	2015	\$ 29	7.55	2,880.00
Smart Saver Non Residential Prescriptive	NRIT	DS	2014	\$ 1	0.13	48.00
Smart Saver Non Residential Prescriptive	NRIT	DS	2015	\$ 10	1.59	632.73
Smart Saver Non Residential Prescriptive	NRIT	DS	2016	\$ 10	0.86	624.04
Smart Saver Non Residential Prescriptive	NRIT	DS	2017	\$ 4	0.36	264.75
Smart Saver Non Residential Prescriptive	NRLTG	DM	2014		1,456.25	888,984.06
Smart Saver Non Residential Prescriptive	NRLTG	DM	2015		3,000.44	1,669,982.14
Smart Saver Non Residential Prescriptive	NRLTG	DM	2016		9,539.47	4,275,493.96
Smart Saver Non Residential Prescriptive	NRLTG	DM	2017		10,561.44	4,170,847.95
Smart Saver Non Residential Prescriptive	NRLTG	DP	2014	\$ 6,204	1,828.79	625,535.59
Smart Saver Non Residential Prescriptive	NRLTG	DP	2015	\$ 31,149	7,099.73	3,140,816.07
Smart Saver Non Residential Prescriptive	NRLTG	DP	2016	\$ 52,777	13,933.68	5,321,606.70
Smart Saver Non Residential Prescriptive	NRLTG	DP	2017	\$ 38,699	10,703.91	3,902,075.56
Smart Saver Non Residential Prescriptive	NRLTG	DS	2014	\$ 18,238.96	7,534.857.01	7,534,857.01
Smart Saver Non Residential Prescriptive	NRLTG	DS	2015	\$ 258,158	32,872.93	15,916,461.78
Smart Saver Non Residential Prescriptive	NRLTG	DS	2016	\$ 88,788.16	35,758.738.57	35,758,738.57
Smart Saver Non Residential Prescriptive	NRLTG	DS	2017	\$ 479,119	81,166.30	29,539,618.52
Smart Saver Non Residential Prescriptive	NRLTG	EH	2014		339.74	152,813.79
Smart Saver Non Residential Prescriptive	NRLTG	EH	2015		1,174.03	495,202.94
Smart Saver Non Residential Prescriptive	NRLTG	EH	2016		3,040.51	1,128,899.95
Smart Saver Non Residential Prescriptive	NRLTG	EH	2017		2,863.83	960,470.00
Smart Saver Non Residential Prescriptive	NRLTG	TS	2014		644.58	274,657.60
Smart Saver Non Residential Prescriptive	NRLTG	TS	2015		2,529.68	1,214,808.34
Smart Saver Non Residential Prescriptive	NRLTG	TS	2016		7,009.56	2,800,660.11
Smart Saver Non Residential Prescriptive	NRLTG	TS	2017		8,832.97	3,034,816.28
Smart Saver Non Residential Prescriptive	NRP&M	DM	2014		131.84	67,031.22
Smart Saver Non Residential Prescriptive	NRP&M	DM	2015		139.21	72,447.84
Smart Saver Non Residential Prescriptive	NRP&M	DM	2016		55.40	28,833.45
Smart Saver Non Residential Prescriptive	NRP&M	DM	2017		22.16	11,533.38
Smart Saver Non Residential Prescriptive	NRP&M	DP	2014	\$ 5,332	1,033.03	537,608.95
Smart Saver Non Residential Prescriptive	NRP&M	DP	2015	\$ 8,411	1,672.82	848,133.28
Smart Saver Non Residential Prescriptive	NRP&M	DP	2016	\$ 23	4.43	2,306.68
Smart Saver Non Residential Prescriptive	NRP&M	DP	2017	\$ 1,294	255.99	130,504.53
Smart Saver Non Residential Prescriptive	NRP&M	DS	2014	\$ 4,881	579.70	300,908.68
Smart Saver Non Residential Prescriptive	NRP&M	DS	2015	\$ 13,613	1,682.99	839,297.30
Smart Saver Non Residential Prescriptive	NRP&M	DS	2016	\$ 4,482	540.26	276,325.23
Smart Saver Non Residential Prescriptive	NRP&M	DS	2017	\$ 8,556	1,051.39	527,534.55
Smart Saver Non Residential Prescriptive	NRP&M	EH	2015		53.03	27,599.18
Smart Saver Non Residential Prescriptive	NRP&M	TS	2014		66.29	34,498.97
Smart Saver Non Residential Prescriptive	NRP&M	TS	2015		379.54	197,578.13
Smart Saver Non Residential Prescriptive	NRP&M	TS	2016		64.71	33,882.84
Smart Saver Non Residential Prescriptive	NRP&M	TS	2017		476.42	243,334.29
Smart Saver Non Residential Prescriptive	NRPROC	DP	2016	\$ 212	60.99	21,419.60
Smart Saver Non Residential Prescriptive	NRPROC	DP	2017	\$ 935	220.02	94,291.03
Smart Saver Non Residential Prescriptive	NRPROC	DS	2014	\$ 3,260	576.81	200,987.92
Smart Saver Non Residential Prescriptive	NRPROC	DS	2015	\$ 2,811	496.27	173,289.01
Smart Saver Non Residential Prescriptive	NRPROC	DS	2016	\$ 1,327	203.38	81,809.06
Smart Saver Non Residential Prescriptive	NRPROC	DS	2017	\$ 3,340	535.50	205,945.51
Smart Saver Residential	HPWH	RS	2014		18.65	13,611.83
Smart Saver Residential	HPWH	RS	2015		80.06	58,443.45
Smart Saver Residential	HPWH	RS	2016		39.00	28,472.45
Smart Saver Residential	HPWH	RS	2017		29.48	21,520.58
Smart Saver Residential	MFEEAR	RS	2014		259.79	189,343.25
Smart Saver Residential	MFEEAR	RS	2015		3,141.37	544,080.88
Smart Saver Residential	MFEEAR	RS	2016		3,309.16	100,653.63
Smart Saver Residential	MFEEAR	RS	2017		262.92	7,997.22
Smart Saver Residential	MFEEPW	RS	2014		91.24	66,954.67
Smart Saver Residential	MFEEPW	RS	2015		373.58	239,776.15
Smart Saver Residential	MFEEPW	RS	2016		101.52	39,064.43
Smart Saver Residential	MFEEPW	RS	2017		31.72	12,204.44
Smart Saver Residential	MFEESH	RS	2014		161.31	117,731.28
Smart Saver Residential	MFEESH	RS	2015		4,102.18	511,497.81
Smart Saver Residential	MFEESH	RS	2016		6,866.34	208,851.03
Smart Saver Residential	MFEESH	RS	2017		1,350.78	41,086.37
Smart Saver Residential	PEEPVS	RS	2014		5.97	4,370.82
Smart Saver Residential	PEEPVS	RS	2015		167.12	122,383.08
Smart Saver Residential	PEEPVS	RS	2016		209.36	153,315.07
Smart Saver Residential	PEEPVS	RS	2017		202.31	148,196.43
Smart Saver Residential	PEEPVS	RS3P	2017		0.92	672.43
Smart Saver Residential	RCFL	RS	2014		30,890.29	18,930,714.04
Smart Saver Residential	RCFL	RS	2015		38,412.46	23,540,428.08
Smart Saver Residential	RCFL	RS	2016		(62.23)	(38,296.78)
Smart Saver Residential	RCFL	RS	2017		(0.76)	(464.77)
Smart Saver Residential	RCFL	RS01	2014		226.02	138,512.07
Smart Saver Residential	RCFL	RS01	2015		359.77	220,482.06
Smart Saver Residential	RCFL	RS01	2016		(1.01)	(619.69)
Smart Saver Residential	RCFL	RS3P	2014		7.49	4,588.96
Smart Saver Residential	RCFL	RS3P	2015		12.35	7,568.52
Smart Saver Residential	RCFLPM	RS	2014		602.90	370,101.26
Smart Saver Residential	RCFLPM	RS	2015		1,075.37	660,125.92
Smart Saver Residential	RCFLPM	RS	2016		430.18	264,050.28
Smart Saver Residential	RCFLPM	RS	2017		38.60	23,691.96
Smart Saver Residential	RCFLPM	RS01	2015		1.44	881.65
Smart Saver Residential	RCFLPM	RS01	2016		1.24	758.38
Smart Saver Residential	RCFLPM	RS3P	2014		0.02	10.71
Smart Saver Residential	RCFLSP	RS	2014		5,068.91	3,063,635.63
Smart Saver Residential	RCFLSP	RS	2015		11,212.12	6,614,259.78
Smart Saver Residential	RCFLSP	RS	2016		6,093.69	3,498,721.39
Smart Saver Residential	RCFLSP	RS	2017		3,064.50	1,763,905.97
Smart Saver Residential	RCFLSP	RS01	2014		32.93	20,165.70
Smart Saver Residential	RCFLSP	RS01	2015		61.21	36,226.31
Smart Saver Residential	RCFLSP	RS01	2016		31.06	17,789.05
Smart Saver Residential	RCFLSP	RS01	2017		20.57	11,807.05
Smart Saver Residential	RCFLSP	RS3P	2014		4.30	2,536.62
Smart Saver Residential	RCFLSP	RS3P	2015		3.14	1,832.97
Smart Saver Residential	RCFLSP	RS3P	2016		0.87	508.18
Smart Saver Residential	RCFLSP	RS3P	2017		0.86	480.26
Smart Saver Residential	RLED	RS	2016		11,661.16	7,180,539.12
Smart Saver Residential	RLED	RS	2017		4,685.66	2,883,070.63
Smart Saver Residential	RLED	RS01	2016		95.99	59,105.79
Smart Saver Residential	RLED	RS01	2017		8.43	5,175.57
Smart Saver Residential	RLED	RS3P	2016		3.13	1,925.75
Smart Saver Residential	RLED	RS3P	2017		0.30	185.17
Smart Saver Residential	SFEEAR	RS	2014		331.18	244,749.87
Smart Saver Residential	SFEEAR	RS	2015		2,007.05	1,483,357.60
Smart Saver Residential	SFEEAR	RS	2016		824.81	609,540.80
Smart Saver Residential	SFEEAR	RS	2017		1,180.54	872,175.12
Smart Saver Residential	SFEEAR	RS01	2015		1.00	740.80
Smart Saver Residential	SFEEAR	RS01	2016		2.30	1,698.40
Smart Saver Residential	SFEEAR	RS01	2017		0.71	521.88

Non-Res LR Rate calculation based upon prior period achievement and dollars

NR LR Rate 0.011613
 Non Res Totals \$ 2,801,537 \$ 543,222 \$ 241,234,747

Program	Product Code of Measure	Rate Class	Transaction Year	Lost Revenue KWH Dollars	Monthly Lost Revenue kW	Monthly Lost Revenue kWh
Smart Saver Residential	SFEEAR	RS3P	2017		0.38	277.80
Smart Saver Residential	SFEPPW	RS	2014		158.79	114,846.67
Smart Saver Residential	SFEPPW	RS	2015		932.03	674,107.00
Smart Saver Residential	SFEPPW	RS	2016		397.56	287,546.00
Smart Saver Residential	SFEPPW	RS	2017		620.52	448,800.82
Smart Saver Residential	SFEPPW	RS01	2015		0.45	322.00
Smart Saver Residential	SFEPPW	RS01	2016		1.11	805.00
Smart Saver Residential	SFEPPW	RS01	2017		0.30	214.67
Smart Saver Residential	SFEPPW	RS3P	2017		0.17	120.75
Smart Saver Residential	SFEESH	RS	2014		222.90	162,891.75
Smart Saver Residential	SFEESH	RS	2015		1,364.13	996,861.60
Smart Saver Residential	SFEESH	RS	2016		538.57	393,573.60
Smart Saver Residential	SFEESH	RS	2017		743.23	543,127.90
Smart Saver Residential	SFEESH	RS01	2015		0.66	478.80
Smart Saver Residential	SFEESH	RS01	2016		1.47	1,077.30
Smart Saver Residential	SFEESH	RS01	2017		0.45	330.40
Smart Saver Residential	SFEESH	RS3P	2017		0.25	179.55
Smart Saver Residential	SSAC	RS	2014		2,390.83	415,141.92
Smart Saver Residential	SSAC	RS	2015		3,849.70	758,576.23
Smart Saver Residential	SSAC	RS	2016		3,287.14	1,219,258.23
Smart Saver Residential	SSAC	RS	2017		1,760.18	657,084.74
Smart Saver Residential	SSAC	RS01	2014		1.64	284.52
Smart Saver Residential	SSAC	RS01	2015		2.18	379.36
Smart Saver Residential	SSAC	RS01	2016		1.32	488.29
Smart Saver Residential	SSAC	RS3P	2016		1.32	488.29
Smart Saver Residential	SSAC	RS3P	2017		1.32	488.29
Smart Saver Residential	SSACTU	RS	2014		2.42	858.00
Smart Saver Residential	SSACTU	RS	2015		0.33	117.00
Smart Saver Residential	SSAIAS	RS	2014		80.79	30,976.98
Smart Saver Residential	SSAIAS	RS	2015		171.83	65,885.40
Smart Saver Residential	SSAIAS	RS	2016		284.26	108,995.60
Smart Saver Residential	SSAIAS	RS	2017		194.72	74,808.63
Smart Saver Residential	SSDINS	RS	2014		4.34	1,537.38
Smart Saver Residential	SSDINS	RS	2015		3.86	1,366.56
Smart Saver Residential	SSDINS	RS	2017		1.29	455.52
Smart Saver Residential	SSDSEA	RS	2014		13.83	4,903.60
Smart Saver Residential	SSDSEA	RS	2015		18.04	6,396.00
Smart Saver Residential	SSDSEA	RS	2016		2.71	959.40
Smart Saver Residential	SSDSEA	RS	2017		2.03	719.55
Smart Saver Residential	SSHHP	RS	2014		1,895.76	1,073,720.21
Smart Saver Residential	SSHHP	RS	2015		3,242.64	1,784,220.76
Smart Saver Residential	SSHHP	RS	2016		1,855.63	692,832.61
Smart Saver Residential	SSHHP	RS	2017		903.50	339,119.17
Smart Saver Residential	SSHHP	RS3P	2015		2.90	1,645.13
Smart Saver Residential	SSHPTU	RS	2014		3.82	1,418.82
Smart Saver Residential	SSHPTU	RS	2015		10.78	4,006.08
Smart Saver Residential	SSAISN	RS	2017		3.02	1,272.39
Small Business Energy Saver	SSBDIR	DM	2015		8,646.52	3,357,121.71
Small Business Energy Saver	SSBDIR	DM	2016		7,880.87	3,071,550.10
Small Business Energy Saver	SSBDIR	DM	2017		6,693.55	2,524,014.74
Small Business Energy Saver	SSBDIR	DS	2015	\$ 213,967	34,197.07	13,191,933.70
Small Business Energy Saver	SSBDIR	DS	2016	\$ 247,928	36,965.10	15,285,752.45
Small Business Energy Saver	SSBDIR	DS	2017	\$ 101,568	17,593.49	6,262,066.04
Small Business Energy Saver	SSBDIR	EH	2016		424.93	134,601.06
Small Business Energy Saver	SSBDIR	EH	2017		24.69	15,330.12
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2014		87.86	55,086.02
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2015		2,153.67	1,283,152.90
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2016		1,369.91	975,218.17
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2017		480.83	350,549.95
Low Income Weatherization - Pay for Performance	WTZKWH	RS01	2016		0.84	613.10
Grand Total				\$ 2,801,537	\$ 1,073,439	\$ 483,517,888

Duke Energy Ohio
2018 Projection
Program Summary

Program	Unit Type	Impacts			Shared Savings Calculation: (Avoided Cost - Program Costs) x Sharing Rate							Cost Recovery				Capped Revenue					Revenue Requirement						
		A Annual KWH Gross FR, @ Plant Total (Annualized)	B Annual KW Gross FR, @ Plant Total (Annualized)	C Participants	D Total NPV Avoided Cost of Capacity / Total	E Total NPV Avoided Cost of Energy / Total	F Total NPV Avoided Cost of T&D / Total	G Total Avoided Costs	H Total Costs (2,3)	I Shared Savings Pool	J Shared Savings Tier, pre-tax	K Shared Savings Revenue, Uncapped	L Non-M&V Costs	M M&V Costs	N Total Costs	O Cost Recovery Revenue, Uncapped	P Incentive Cap Adjustment	Q Shared Savings Revenue, Capped	R Cost Recovery Revenue Compared to Revenue Cap	S Cost Recovery Revenue, Capped	T Total Revenue	U Total Revenue Adjustment	V Total Revenue, Capped	W Lost Revenue Make-Whole \$	X Total Revenue Requirement (\$)		
		KWH data	KW data	# of Measure Units data	\$ data	\$ data	\$ data	D+E+F data	\$ data	\$-H data	% data	\$ data	\$ data	\$ data	\$ data	\$ data	K+P data	\$ data	O+R data	Q+S data	\$ data	T+U data	\$ data	\$ data	V+W data		
Shared Savings Revenue																											
Res																											
Energy Efficiency																											
Energy Efficiency Education Program for Schools		3,209,568	863	6,000	533,750	746,307	503,092	1,783,150	584,863	1,198,287	7.71%	92,388	506,039	78,825	584,863	584,863	-	92,388	-	584,863	677,251	(83,191)	594,060	-	594,060	-	594,060
Home Energy Comparison Report		98,463,040	25,177	400,852	2,539,067	3,192,420	2,457,179	8,188,665	4,839,029	3,349,637	7.71%	258,257	4,593,403	245,626	4,839,029	4,839,029	-	258,257	-	4,839,029	5,097,286	(688,308)	4,408,978	-	4,408,978	-	4,408,978
Low Income Neighborhood Program		602,871	187	1,339	129,015	157,478	130,620	417,114	726,109	(308,995)	7.71%	(23,824)	681,070	45,039	726,109	726,109	-	(23,824)	-	726,109	702,285	(103,282)	599,003	-	599,003	-	599,003
Low Income Weatherization - Pay for Performance		2,733,079	587	7,838	703,462	1,193,743	649,137	2,544,963	520,735	2,023,846	7.73%	156,039	518,613	2,285	520,735	520,735	-	156,039	-	520,735	606,764	(294,067)	602,687	-	602,687	-	602,687
Residential Energy Assessments		2,971,795	351	17,675	379,046	1,205,680	424,493	2,009,218	1,171,188	838,030	7.71%	64,612	1,057,844	113,344	1,171,188	1,171,188	-	64,612	-	1,171,188	1,235,800	(166,591)	1,069,209	-	1,069,209	-	1,069,209
Smart Saver Residential	4	58,253,690	6,589	908,384	5,718,655	17,754,547	8,804,078	32,277,280	8,102,860	24,174,421	7.71%	1,863,848	7,836,807	265,903	8,102,860	8,102,860	-	1,863,848	-	8,102,860	9,966,708	(1,152,558)	8,814,150	-	8,814,150	-	8,814,150
Total		166,234,644	33,754	1,342,068	10,961,195	24,250,176	12,968,619	47,219,989	15,944,764	31,275,225		2,411,320	15,193,704	751,000	15,944,764	15,944,764		2,411,320		15,944,764	18,356,084	(2,267,597)	16,088,487		16,088,487		16,088,487
Demand Response																											
Power Manager ¹		0	64,320	60,000	6,486,661	0	6,182,926	12,669,587	1,058,992	11,610,595	7.71%	895,177	918,200	140,792	1,058,992	1,058,992	-	895,177	-	1,058,992	1,954,169	(150,632)	1,803,537	-	1,803,537	-	1,803,537
Total		0	64,320	60,000	6,486,661	0	6,182,926	12,669,587	1,058,992	11,610,595		895,177	918,200	140,792	1,058,992	1,058,992		895,177		1,058,992	1,954,169	(150,632)	1,803,537		1,803,537		1,803,537
NonRes																											
Energy Efficiency																											
Power Manager ¹ for Business - EE	1	676,784	249	724	172,462	169,558	162,135	504,155	461,833	42,302	7.71%	3,261	455,752	6,101	461,853	461,853	-	3,261	-	461,853	465,115	(65,694)	399,420	-	397,129	-	403,392
Small Business Energy Saver		23,368,115	4,443	22,000,000	3,844,539	7,660,036	3,591,948	15,098,523	4,995,409	10,103,114	7.73%	778,950	4,219,600	75,869	4,995,409	4,995,409	-	778,950	-	4,995,409	5,774,359	(710,551)	5,063,808	-	5,063,808	-	5,203,671
Smart Saver Non Residential Custom	5	29,075,651	3,319	1	3,198,033	9,555,421	2,954,631	15,708,085	3,414,166	12,293,919	7.71%	947,861	3,283,114	131,053	3,414,166	3,414,166	-	947,861	-	3,414,166	4,362,027	(485,634)	3,876,393	-	146,726.87	-	4,023,120
Smart Saver Non Residential Prescriptive	5	61,278,972	13,089	190,990	8,274,806	16,105,320	7,651,398	30,031,524	7,351,597	22,679,928	7.71%	1,748,622	7,119,902	231,695	7,351,597	7,351,597	-	1,748,622	-	7,351,597	9,100,219	(1,045,698)	8,054,522	-	205,943.53	-	8,260,465
Total		114,399,522	21,100	22,191,115	15,489,839	31,492,335	14,360,112	61,342,287	16,223,025	45,119,262		3,478,695	15,778,368	444,627	16,223,025	16,223,025		3,478,695		16,223,025	19,701,740	(2,307,577)	17,394,163		496,506		17,890,669
Demand Response																											
Power Manager ¹ for Business - DR	1	0	2,911	2,715	293,535	0	278,791	573,326	0	573,326	7.71%	44,203	-	-	-	-	-	44,203	-	-	44,203	-	44,203	-	44,203	-	44,203
PowerShare ²		0	44,488	41,500	4,486,607	0	4,276,524	8,763,131	2,263,446	6,499,685	7.71%	501,126	2,149,955	113,491	2,263,446	2,263,446	-	501,126	-	2,263,446	2,764,572	(321,954)	2,442,617	-	2,442,617	-	2,442,617
Total		0	47,399	44,215	4,780,143	0	4,555,315	9,336,457	2,263,446	7,073,012		545,329	2,149,955	113,491	2,263,446	2,263,446		545,329		2,263,446	2,806,775	(321,954)	2,486,820		2,486,820		2,486,820
Total		280,614,165	166,573	23,637,398	36,757,838	55,742,511	38,067,972	130,568,320	35,490,227	95,078,094		7,330,521	34,040,227	1,450,000	35,490,227	35,490,227		7,330,521		35,490,227	42,820,748	(5,048,161)	37,772,587		496,506		38,269,093
Cost Recovery Only																											
NonRes																											
Energy Efficiency																											
Mercantile Self Direct		9,950,914	1,136	2									1,025,331	-	1,025,331	1,025,331				1,025,331	1,025,331	(145,844)	879,487	-	879,487	-	879,487
Total		9,950,914	1,136	2									1,025,331	-	1,025,331	1,025,331				1,025,331	1,025,331	(145,844)	879,487		879,487		879,487
Total		9,950,914	1,136	2									1,025,331	-	1,025,331	1,025,331				1,025,331	1,025,331	(145,844)	879,487		879,487		879,487
Total		290,565,080	167,709	23,637,400	36,757,838	55,742,511	38,067,972	130,568,320	35,490,227	95,078,094		7,330,521	35,065,558	1,450,000	36,515,558	36,515,558		7,330,521		36,515,558	43,846,079	(5,194,005)	38,652,074		496,506		39,148,580

1 Power Manager¹ for Business has both an energy efficiency and demand response component. Costs have been allocated to EE and DR based on forecasted KW.
 2 Total costs for PJM EMV are as follows. Costs have been allocated to Residential and NonResidential based on forecasted KW.
 2018 \$100,000
 3 Total costs for Market Potential Study are as follows. Costs have been allocated to all Duke Energy programs.
 2018 \$300,000
 4 Thermostat and heat pump measures from Case No. 16-576-EL-PDR stipulation agreement are included
 5 Stipulation agreements from Case No. 16-576-EL-PDR are included
 6 Expected Revenue Requirement if mandates are met, includes shared savings incentive.

Sum of 2018				Metric			
Program	Product Code of Measure	Rate Class	Transaction Year	Lost Revenue KWH Dollars	Monthly Lost Revenue kW	Monthly Lost Revenue kWh	
Appliance Recycling Program	FRCYCL	RS	2015		62.57	37,037.77	
Appliance Recycling Program	FRCYCL	RS	2016		1.85	1,094.30	
Appliance Recycling Program	FRCYCL	RS01	2015		0.28	168.35	
Appliance Recycling Program	RRCYCL	RS	2015		293.32	233,406.44	
Appliance Recycling Program	RRCYCL	RS	2016		10.13	8,064.72	
Appliance Recycling Program	RRCYCL	RS01	2015		2.87	2,285.00	
Energy Efficiency Education Program for Schools	K12PRF	RS	2015		2,139.33	410,944.00	
Energy Efficiency Education Program for Schools	K12PRF	RS	2016		3,167.21	1,218,682.75	
Energy Efficiency Education Program for Schools	K12PRF	RS	2011	\$ -	-	-	
Energy Efficiency Education Program for Schools	K12PRF	RS	2017		6,702.85	2,728,407.25	
Energy Efficiency Education Program for Schools	K12PRF	RS01	2015		1.30	499.00	
Energy Efficiency Education Program for Schools	K12PRF	RS01	2016		4.21	1,621.75	
Energy Efficiency Education Program for Schools	K12PRF	RS01	2011	\$ -	-	-	
Energy Efficiency Education Program for Schools	K12PRF	RS01	2017		16.56	6,861.25	
Home Energy Comparison Report	HECR	RS	2015		-	-	
Home Energy Comparison Report	HECR	RS	2016		-	-	
Home Energy Comparison Report	HECR	RS	2011	\$ -	-	-	
Home Energy Comparison Report	HECR	RS	2017		-	-	
Home Energy Comparison Report	HECR	RS	2010	\$ -	-	-	
Low Income Neighborhood Program	HWLI	RS	2015		493.49	127,902.82	
Low Income Neighborhood Program	HWLI	RS	2016		522.79	131,959.47	
Low Income Neighborhood Program	HWLI	RS	2017		1,745.01	441,312.98	
Low Income Neighborhood Program	HWLI	RS01	2015		0.68	171.55	
Low Income Neighborhood Program	HWLI	RS01	2016		13.46	3,396.77	
Low Income Neighborhood Program	HWLI	RS01	2017		34.66	8,749.26	
Low Income Services	REFRPL	RS	2011	\$ -	-	-	
Low Income Services	REFRPL	RS	2010	\$ -	-	-	
Low Income Services	REFRPL	RS	2009	\$ -	-	-	
Low Income Services	REFRPL	RS01	2011	\$ -	-	-	
Mercantile Self-Direct	NRCSSD	DP	2016		57.46	13,758.44	
Mercantile Self-Direct	NRCSSD	DP	2011		-	-	
Mercantile Self-Direct	NRCSSD	DP	2017		4,747.52	3,904,493.51	
Mercantile Self-Direct	NRCSSD	DS	2015		727.33	737,901.94	
Mercantile Self-Direct	NRCSSD	DS	2016		213.68	115,145.32	
Mercantile Self-Direct	NRCSSD	DS	2011		-	-	
Mercantile Self-Direct	NRCSSD	TS	2015		3.98	1,002.00	
Mercantile Self-Direct	NRCSSD	TS	2016		13,631.06	9,698,292.76	
Mercantile Self-Direct	NRCSSD	TS	2017		6,183.81	1,336,027.90	
Mercantile Self-Direct	NRPRSD	DP	2015		-	-	
Mercantile Self-Direct	NRPRSD	DS	2015		5.44	2,019.13	
Mercantile Self-Direct	NRPRSD	DS	2017		465.62	193,472.50	
Mercantile Self-Direct	NRPRSD	TS	2017		897.70	348,298.15	
Residential Energy Assessments	HEHC	RS	2015		2,939.53	341,908.75	
Residential Energy Assessments	HEHC	RS	2016		1,191.94	466,102.40	
Residential Energy Assessments	HEHC	RS	2011	\$ -	-	-	
Residential Energy Assessments	HEHC	RS	2017		3,418.62	1,383,364.97	
Residential Energy Assessments	HEHC	RS	2010	\$ -	-	-	
Residential Energy Assessments	HEHC	RS	2009	\$ -	-	-	
Residential Energy Assessments	HEHC	RS01	2015		1.57	158.50	
Residential Energy Assessments	HEHC	RS01	2016		2.80	1,098.57	
Residential Energy Assessments	HEHC	RS01	2011	\$ -	-	-	
Residential Energy Assessments	HEHC	RS01	2017		2.61	992.46	
Residential Energy Assessments	HEHC	RS01	2010	\$ -	-	-	
Residential Energy Assessments	HEHC	RS01	2009	\$ -	-	-	
Residential Energy Assessments	HEHC	RS3P	2016		0.60	245.27	
Residential Energy Assessments	HEHC	RS3P	2017		2.48	1,098.33	
Residential Energy Assessments	HEHC	RS3P	2010	\$ -	-	-	
Residential Energy Assessments	HEHC	RS3P	2009	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DM	2015		85.05	31,971.58	
Smart \$aver Non Residential Custom	NRPRSC	DM	2016		25.26	13,573.79	
Smart \$aver Non Residential Custom	NRPRSC	DM	2011	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DM	2017		22.88	7,679.91	
Smart \$aver Non Residential Custom	NRPRSC	DM	2010	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DM	2009	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DP	2015	\$ 17,037.87	1,063.36	1,717,971.20	
Smart \$aver Non Residential Custom	NRPRSC	DP	2016	\$ 14,928.43	2,221.55	1,505,271.18	
Smart \$aver Non Residential Custom	NRPRSC	DP	2011	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DP	2017	\$ 46,142.16	12,160.19	4,652,630.38	
Smart \$aver Non Residential Custom	NRPRSC	DP	2010	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DP	2009	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DS	2015	\$ 28,391.32	2,937.15	1,750,438.17	
Smart \$aver Non Residential Custom	NRPRSC	DS	2016	\$ 37,109.70	5,437.09	2,287,961.21	
Smart \$aver Non Residential Custom	NRPRSC	DS	2011	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DS	2017	\$ 125,322.71	16,075.57	7,726,645.66	
Smart \$aver Non Residential Custom	NRPRSC	DS	2010	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	DS	2009	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	EH	2015		7.91	2,615.05	
Smart \$aver Non Residential Custom	NRPRSC	EH	2011	\$ -	-	-	
Smart \$aver Non Residential Custom	NRPRSC	EH	2017		106.34	35,828.42	
Smart \$aver Non Residential Custom	NRPRSC	TS	2015		5,145.78	3,471,330.61	
Smart \$aver Non Residential Custom	NRPRSC	TS	2016		1,470.09	1,073,928.82	
Smart \$aver Non Residential Custom	NRPRSC	TS	2017		15,473.34	10,908,938.92	
Smart \$aver Non Residential Prescriptive	NRFS	DM	2015		(0.17)	(83.47)	
Smart \$aver Non Residential Prescriptive	NRFS	DM	2016		3.06	2,234.55	
Smart \$aver Non Residential Prescriptive	NRFS	DM	2011	\$ -	-	-	
Smart \$aver Non Residential Prescriptive	NRFS	DM	2017		9.83	5,502.15	
Smart \$aver Non Residential Prescriptive	NRFS	DM	2010	\$ -	-	-	
Smart \$aver Non Residential Prescriptive	NRFS	DM	2009	\$ -	-	-	
Smart \$aver Non Residential Prescriptive	NRFS	DP	2015	\$ 2.29	0.32	231.26	
Smart \$aver Non Residential Prescriptive	NRFS	DP	2016	\$ 272.20	61.48	27,446.16	
Smart \$aver Non Residential Prescriptive	NRFS	DP	2017	\$ 335.45	50.84	33,823.99	
Smart \$aver Non Residential Prescriptive	NRFS	DS	2015	\$ 637.26	64.68	39,289.32	

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Program	Product Code of Measure	Rate Class	Transaction Year	Metric		
				Lost Revenue KWH Dollars	Monthly Lost Revenue kW	Monthly Lost Revenue kWh
Smart \$aver Non Residential Prescriptive	NRFS	DS	2016	\$ 761.80	82.61	46,967.80
Smart \$aver Non Residential Prescriptive	NRFS	DS	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRFS	DS	2017	\$ 34,616.27	3,578.62	2,134,231.43
Smart \$aver Non Residential Prescriptive	NRFS	DS	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRFS	DS	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRFS	EH	2015		8.26	3,317.63
Smart \$aver Non Residential Prescriptive	NRFS	EH	2016		0.09	66.93
Smart \$aver Non Residential Prescriptive	NRFS	EH	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRFS	EH	2017		7.88	4,309.72
Smart \$aver Non Residential Prescriptive	NRFS	EH	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRFS	TS	2017		40.48	22,957.85
Smart \$aver Non Residential Prescriptive	NRHVAC	DM	2015		40.45	14,742.17
Smart \$aver Non Residential Prescriptive	NRHVAC	DM	2016		29.51	15,377.81
Smart \$aver Non Residential Prescriptive	NRHVAC	DM	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	DM	2017		120.85	50,846.63
Smart \$aver Non Residential Prescriptive	NRHVAC	DM	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	DM	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	DP	2015	\$ 152.49	37.19	15,375.54
Smart \$aver Non Residential Prescriptive	NRHVAC	DP	2016	\$ 153.95	40.70	15,522.72
Smart \$aver Non Residential Prescriptive	NRHVAC	DP	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	DP	2017	\$ 2,497.53	450.29	251,832.07
Smart \$aver Non Residential Prescriptive	NRHVAC	DP	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	DP	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	DS	2015	\$ 3,625.14	582.94	223,504.56
Smart \$aver Non Residential Prescriptive	NRHVAC	DS	2016	\$ 1,870.20	305.84	115,305.61
Smart \$aver Non Residential Prescriptive	NRHVAC	DS	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	DS	2017	\$ 12,243.75	1,623.28	754,876.35
Smart \$aver Non Residential Prescriptive	NRHVAC	DS	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	DS	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	EH	2015		14.50	5,397.74
Smart \$aver Non Residential Prescriptive	NRHVAC	EH	2016		4.97	1,812.65
Smart \$aver Non Residential Prescriptive	NRHVAC	EH	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	EH	2017		81.57	38,454.20
Smart \$aver Non Residential Prescriptive	NRHVAC	EH	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	EH	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRHVAC	TS	2015		7.23	2,679.62
Smart \$aver Non Residential Prescriptive	NRHVAC	TS	2016		9.41	3,503.85
Smart \$aver Non Residential Prescriptive	NRHVAC	TS	2017		475.51	176,332.66
Smart \$aver Non Residential Prescriptive	NRIT	DM	2015		0.09	36.00
Smart \$aver Non Residential Prescriptive	NRIT	DM	2016		0.02	14.18
Smart \$aver Non Residential Prescriptive	NRIT	DP	2015	\$ 7.14	1.89	720.00
Smart \$aver Non Residential Prescriptive	NRIT	DS	2015	\$ 2.57	0.40	158.18
Smart \$aver Non Residential Prescriptive	NRIT	DS	2016	\$ 2.53	0.21	156.01
Smart \$aver Non Residential Prescriptive	NRIT	DS	2017	\$ 1.15	0.10	70.91
Smart \$aver Non Residential Prescriptive	NRLTG	DM	2015		619.49	349,200.49
Smart \$aver Non Residential Prescriptive	NRLTG	DM	2016		2,384.87	1,068,873.49
Smart \$aver Non Residential Prescriptive	NRLTG	DM	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	DM	2017		15,514.29	6,118,065.22
Smart \$aver Non Residential Prescriptive	NRLTG	DM	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	DM	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	DP	2015	\$ 5,812.92	1,340.11	586,131.54
Smart \$aver Non Residential Prescriptive	NRLTG	DP	2016	\$ 13,194.17	3,483.42	1,330,401.68
Smart \$aver Non Residential Prescriptive	NRLTG	DP	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	DP	2017	\$ 59,603.51	17,512.90	6,009,972.02
Smart \$aver Non Residential Prescriptive	NRLTG	DP	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	DP	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	DS	2015	\$ 49,492.83	6,545.57	3,051,430.92
Smart \$aver Non Residential Prescriptive	NRLTG	DS	2016	\$ 144,997.66	22,197.04	8,939,684.64
Smart \$aver Non Residential Prescriptive	NRLTG	DS	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	DS	2017	\$ 709,820.26	120,279.66	43,763,254.36
Smart \$aver Non Residential Prescriptive	NRLTG	DS	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	DS	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	EH	2015		269.32	114,589.90
Smart \$aver Non Residential Prescriptive	NRLTG	EH	2016		760.13	282,224.99
Smart \$aver Non Residential Prescriptive	NRLTG	EH	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	EH	2017		3,935.80	1,378,823.01
Smart \$aver Non Residential Prescriptive	NRLTG	EH	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	EH	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	RS01	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	RS01	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	TS	2015		371.78	202,377.00
Smart \$aver Non Residential Prescriptive	NRLTG	TS	2016		1,752.39	700,165.03
Smart \$aver Non Residential Prescriptive	NRLTG	TS	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	TS	2017		12,738.63	4,434,195.45
Smart \$aver Non Residential Prescriptive	NRLTG	TS	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRLTG	TS	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	DM	2015		34.80	18,111.96
Smart \$aver Non Residential Prescriptive	NRP&M	DM	2016		13.85	7,208.36
Smart \$aver Non Residential Prescriptive	NRP&M	DM	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	DM	2017		44.32	23,066.76
Smart \$aver Non Residential Prescriptive	NRP&M	DM	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	DP	2015	\$ 969.40	198.17	97,746.97
Smart \$aver Non Residential Prescriptive	NRP&M	DP	2016	\$ 5.72	1.11	576.67
Smart \$aver Non Residential Prescriptive	NRP&M	DP	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	DP	2017	\$ 6,307.80	1,284.87	636,031.38
Smart \$aver Non Residential Prescriptive	NRP&M	DP	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	DP	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	DS	2015	\$ 2,630.62	327.31	162,188.30
Smart \$aver Non Residential Prescriptive	NRP&M	DS	2016	\$ 1,120.47	135.07	69,081.31
Smart \$aver Non Residential Prescriptive	NRP&M	DS	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	DS	2017	\$ 10,279.07	1,276.26	633,745.60
Smart \$aver Non Residential Prescriptive	NRP&M	DS	2010	\$ -	-	-

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Program	Product Code of Measure	Rate Class	Transaction Year	Metric		
				Lost Revenue KWH Dollars	Monthly Lost Revenue kW	Monthly Lost Revenue kWh
Smart \$aver Non Residential Prescriptive	NRP&M	DS	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	EH	2015		13.26	6,899.79
Smart \$aver Non Residential Prescriptive	NRP&M	EH	2010	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	EH	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRP&M	TS	2015		4.40	2,303.44
Smart \$aver Non Residential Prescriptive	NRP&M	TS	2016		16.18	8,470.71
Smart \$aver Non Residential Prescriptive	NRP&M	TS	2011		-	-
Smart \$aver Non Residential Prescriptive	NRP&M	TS	2017		779.72	397,842.56
Smart \$aver Non Residential Prescriptive	NRP&M	TS	2009	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRPROC	DP	2016	\$ 53.11	15.25	5,354.90
Smart \$aver Non Residential Prescriptive	NRPROC	DP	2017	\$ 1,220.42	287.14	123,057.78
Smart \$aver Non Residential Prescriptive	NRPROC	DS	2015	\$ 373.47	65.89	23,025.90
Smart \$aver Non Residential Prescriptive	NRPROC	DS	2016	\$ 331.73	50.84	20,452.26
Smart \$aver Non Residential Prescriptive	NRPROC	DS	2011	\$ -	-	-
Smart \$aver Non Residential Prescriptive	NRPROC	DS	2017	\$ 2,219.69	366.69	136,852.58
Smart \$aver Non Residential Prescriptive	NRPROC	DS	2010	\$ -	-	-
Smart \$aver Residential	HPWH	RS	2015		12.83	9,365.94
Smart \$aver Residential	HPWH	RS	2016		9.75	7,118.11
Smart \$aver Residential	HPWH	RS	2017		38.84	28,355.73
Smart \$aver Residential	MFEEAR	RS	2015		760.29	117,757.89
Smart \$aver Residential	MFEEAR	RS	2016		827.29	25,163.41
Smart \$aver Residential	MFEEAR	RS	2017		613.01	18,645.58
Smart \$aver Residential	MFEEPW	RS	2015		86.81	55,111.94
Smart \$aver Residential	MFEEPW	RS	2016		25.38	9,766.11
Smart \$aver Residential	MFEEPW	RS	2017		73.65	28,340.86
Smart \$aver Residential	MFEESH	RS	2015		999.76	109,055.27
Smart \$aver Residential	MFEESH	RS	2016		1,716.58	52,212.76
Smart \$aver Residential	MFEESH	RS	2017		3,151.22	95,849.51
Smart \$aver Residential	PEEPVS	RS	2015		40.71	29,811.26
Smart \$aver Residential	PEEPVS	RS	2016		52.34	38,328.77
Smart \$aver Residential	PEEPVS	RS	2017		440.45	322,841.78
Smart \$aver Residential	PEEPVS	RS3P	2017		1.84	1,344.87
Smart \$aver Residential	RCFL	RS	2015		7,565.81	4,636,569.98
Smart \$aver Residential	RCFL	RS	2016		(15.56)	(9,574.19)
Smart \$aver Residential	RCFL	RS	2011	\$ -	-	-
Smart \$aver Residential	RCFL	RS	2017		(0.63)	(387.31)
Smart \$aver Residential	RCFL	RS	2010	\$ -	-	-
Smart \$aver Residential	RCFL	RS	2009	\$ -	-	-
Smart \$aver Residential	RCFL	RS01	2015		69.40	42,528.07
Smart \$aver Residential	RCFL	RS01	2016		(0.25)	(154.92)
Smart \$aver Residential	RCFL	RS01	2011	\$ -	-	-
Smart \$aver Residential	RCFL	RS01	2010	\$ -	-	-
Smart \$aver Residential	RCFL	RS01	2009	\$ -	-	-
Smart \$aver Residential	RCFL	RS3P	2015		2.56	1,565.90
Smart \$aver Residential	RCFL	RS3P	2011	\$ -	-	-
Smart \$aver Residential	RCFL	RS3P	2010	\$ -	-	-
Smart \$aver Residential	RCFLPM	RS	2015		225.06	138,153.92
Smart \$aver Residential	RCFLPM	RS	2016		107.54	66,012.57
Smart \$aver Residential	RCFLPM	RS	2011	\$ -	-	-
Smart \$aver Residential	RCFLPM	RS	2017		90.34	55,451.00
Smart \$aver Residential	RCFLPM	RS	2010	\$ -	-	-
Smart \$aver Residential	RCFLPM	RS01	2015		0.36	220.41
Smart \$aver Residential	RCFLPM	RS01	2016		0.31	189.60
Smart \$aver Residential	RCFLPM	RS01	2011	\$ -	-	-
Smart \$aver Residential	RCFLSP	RS	2015		2,207.37	1,295,736.42
Smart \$aver Residential	RCFLSP	RS	2016		1,523.42	874,680.35
Smart \$aver Residential	RCFLSP	RS	2017		6,447.67	3,671,161.19
Smart \$aver Residential	RCFLSP	RS01	2015		10.91	6,409.15
Smart \$aver Residential	RCFLSP	RS01	2016		7.77	4,447.26
Smart \$aver Residential	RCFLSP	RS01	2017		48.48	27,515.73
Smart \$aver Residential	RCFLSP	RS3P	2015		0.64	373.86
Smart \$aver Residential	RCFLSP	RS3P	2016		0.22	127.05
Smart \$aver Residential	RCFLSP	RS3P	2017		1.44	788.89
Smart \$aver Residential	RLED	RS	2016		2,915.29	1,795,134.78
Smart \$aver Residential	RLED	RS	2017		8,205.90	5,041,467.91
Smart \$aver Residential	RLED	RS01	2016		24.00	14,776.45
Smart \$aver Residential	RLED	RS01	2017		13.95	8,466.66
Smart \$aver Residential	RLED	RS3P	2016		0.78	481.44
Smart \$aver Residential	RLED	RS3P	2017		0.30	185.17
Smart \$aver Residential	SFEEAR	RS	2015		424.93	314,057.20
Smart \$aver Residential	SFEEAR	RS	2016		206.20	152,385.20
Smart \$aver Residential	SFEEAR	RS	2017		1,583.46	1,169,611.00
Smart \$aver Residential	SFEEAR	RS01	2015		0.25	185.20
Smart \$aver Residential	SFEEAR	RS01	2016		0.57	424.60
Smart \$aver Residential	SFEEAR	RS01	2017		1.36	1,001.50
Smart \$aver Residential	SFEEAR	RS3P	2017		0.50	370.40
Smart \$aver Residential	SFEEPW	RS	2015		196.89	142,404.50
Smart \$aver Residential	SFEEPW	RS	2016		99.39	71,886.50
Smart \$aver Residential	SFEEPW	RS	2017		805.53	582,617.60
Smart \$aver Residential	SFEEPW	RS01	2015		0.11	80.50
Smart \$aver Residential	SFEEPW	RS01	2016		0.28	201.25
Smart \$aver Residential	SFEEPW	RS01	2017		0.50	362.25
Smart \$aver Residential	SFEEPW	RS3P	2017		0.22	161.00
Smart \$aver Residential	SFEESH	RS	2015		288.82	211,061.03
Smart \$aver Residential	SFEESH	RS	2016		134.64	98,393.40
Smart \$aver Residential	SFEESH	RS	2017		1,009.93	738,023.48
Smart \$aver Residential	SFEESH	RS01	2015		0.16	119.70
Smart \$aver Residential	SFEESH	RS01	2016		0.37	269.33
Smart \$aver Residential	SFEESH	RS01	2017		0.83	605.85
Smart \$aver Residential	SFEESH	RS3P	2017		0.33	239.40
Smart \$aver Residential	SSAC	RS	2015		852.46	170,549.81
Smart \$aver Residential	SSAC	RS	2016		821.79	304,814.56

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Program	Product Code of Measure	Rate Class	Transaction Year	Lost Revenue KWH Dollars	Monthly Lost Revenue kW	Monthly Lost Revenue kWh
Smart \$aver Residential	SSAC	RS	2011	\$ -	-	-
Smart \$aver Residential	SSAC	RS	2017		2,723.88	1,037,176.00
Smart \$aver Residential	SSAC	RS	2010	\$ -	-	-
Smart \$aver Residential	SSAC	RS	2009	\$ -	-	-
Smart \$aver Residential	SSAC	RS01	2015		0.55	94.84
Smart \$aver Residential	SSAC	RS01	2016		0.33	122.07
Smart \$aver Residential	SSAC	RS01	2011	\$ -	-	-
Smart \$aver Residential	SSAC	RS01	2010	\$ -	-	-
Smart \$aver Residential	SSAC	RS01	2009	\$ -	-	-
Smart \$aver Residential	SSAC	RS3P	2016		0.33	122.07
Smart \$aver Residential	SSAC	RS3P	2017		2.63	976.58
Smart \$aver Residential	SSACTU	RS	2015		0.08	29.25
Smart \$aver Residential	SSAIAS	RS	2015		36.24	13,895.58
Smart \$aver Residential	SSAIAS	RS	2016		71.07	27,248.90
Smart \$aver Residential	SSAIAS	RS	2017		202.56	78,377.09
Smart \$aver Residential	SSDINS	RS	2015		0.96	341.64
Smart \$aver Residential	SSDINS	RS	2017		1.93	683.28
Smart \$aver Residential	SSDSEA	RS	2015		3.61	1,279.20
Smart \$aver Residential	SSDSEA	RS	2016		0.68	239.85
Smart \$aver Residential	SSDSEA	RS	2017		2.03	719.55
Smart \$aver Residential	SSHHP	RS	2015		682.86	373,669.56
Smart \$aver Residential	SSHHP	RS	2016		463.91	173,208.15
Smart \$aver Residential	SSHHP	RS	2011	\$ -	-	-
Smart \$aver Residential	SSHHP	RS	2017		1,216.10	466,224.17
Smart \$aver Residential	SSHHP	RS	2010	\$ -	-	-
Smart \$aver Residential	SSHHP	RS	2009	\$ -	-	-
Smart \$aver Residential	SSHHP	RS01	2011	\$ -	-	-
Smart \$aver Residential	SSHHP	RS01	2010	\$ -	-	-
Smart \$aver Residential	SSHHP	RS01	2009	\$ -	-	-
Smart \$aver Residential	SSHHP	RS3P	2015		0.73	411.28
Smart \$aver Residential	SSHPTU	RS	2015		2.70	1,001.52
Smart \$aver Residential	SSAISN	RS	2017		36.29	15,268.68
Small Business Energy Saver	SSBDIR	DM	2015		2,041.17	798,159.96
Small Business Energy Saver	SSBDIR	DM	2016		1,970.22	767,887.53
Small Business Energy Saver	SSBDIR	DM	2017		9,787.36	3,607,529.03
Small Business Energy Saver	SSBDIR	DS	2015	\$ 51,367.20	8,196.91	3,166,992.85
Small Business Energy Saver	SSBDIR	DS	2016	\$ 61,982.00	9,241.28	3,821,438.11
Small Business Energy Saver	SSBDIR	DS	2017	\$ 152,998.35	26,358.63	9,432,959.40
Small Business Energy Saver	SSBDIR	EH	2016		106.23	33,650.27
Small Business Energy Saver	SSBDIR	EH	2017		49.44	19,877.93
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2015		353.81	212,074.48
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2016		342.48	243,804.54
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2017		434.68	316,355.80
Low Income Weatherization - Pay for Performance	WTZKWH	RS01	2016		0.21	153.27
Invalid	HEHCRD	RS	2011	\$ -	-	-
Invalid	HEHCRD	RS	2010	\$ -	-	-
Invalid	HES	RS	2015			257,560.00
Invalid	HES	RS	2016			140,288.00
Invalid	K12CFL	RS	2011	\$ -	-	-
Invalid	K12CFL	RS	2010	\$ -	-	-
Invalid	K12CFL	RS	2009	\$ -	-	-
Invalid	K12CFL	RS01	2010	\$ -	-	-
Invalid	K12CFL	RS01	2009	\$ -	-	-
Invalid	LICFL	RS	2011	\$ -	-	-
Invalid	LICFL	RS	2010	\$ -	-	-
Invalid	LICFL	RS01	2011	\$ -	-	-
Invalid	LICFL	RS01	2010	\$ -	-	-
Invalid	OHEC	RS	2011	\$ -	-	-
Invalid	OHEC	RS	2010	\$ -	-	-
Invalid	OHEC	RS	2009	\$ -	-	-
Invalid	OHEC	RS01	2010	\$ -	-	-
Invalid	OHEC	RS01	2009	\$ -	-	-
Invalid	PER	RS	2011	\$ -	-	-
Invalid	PER	RS	2010	\$ -	-	-
Invalid	PER	RS	2009	\$ -	-	-
Invalid	PER	RS01	2010	\$ -	-	-
Invalid	PER	RS01	2009	\$ -	-	-
Invalid	PER	RS3P	2010	\$ -	-	-
Invalid	PER	RS3P	2009	\$ -	-	-
Grand Total				\$ 1,600,894.28	443,358.54	191,394,195.75

**DUKE ENERGY OHIO
RIDER EE-PDRR REVENUES**

Rider Revenue Rate 2017

Sum of RIDER EE	Column Labels												
Row Labels	1/1/2017	2/1/2017	3/1/2017	4/1/2017	5/1/2017	6/1/2017	7/1/2017	8/1/2017	9/1/2017	10/1/2017	11/1/2017	12/1/2017	Grand Total
DM	\$74,040	\$62,879	\$59,885	\$57,270	\$55,893	\$65,180	\$73,134	\$72,224	\$66,038	\$60,722	\$56,598	\$64,638	\$768,500
DP	\$294,284	\$251,731	\$248,853	\$260,869	\$267,862	\$286,095	\$301,780	\$298,628	\$287,297	\$271,985	\$256,020	\$253,209	\$3,278,612
DS	\$921,719	\$830,820	\$813,760	\$823,362	\$842,187	\$944,639	\$1,012,443	\$993,230	\$956,002	\$895,198	\$823,793	\$854,527	\$10,711,681
EH	\$15,713	\$12,660	\$11,114	\$9,051	\$8,056	\$7	\$0	-\$12	\$1	\$8,585	\$9,282	\$12,603	\$87,059
GF	\$3,578	\$3,563	\$3,575	\$3,576	\$3,575	\$3,575	\$3,575	\$3,564	\$3,574	\$3,574	\$3,574	\$2,335	\$41,636
OR	\$2,975	\$2,087	\$1,879	\$1,378	\$1,162	\$1,233	\$1,523	\$1,418	\$1,193	\$1,094	\$1,602	\$2,585	\$20,127
RS	\$2,623,134	\$2,009,390	\$1,827,329	\$1,605,246	\$1,520,588	\$1,960,219	\$2,429,131	\$2,369,804	\$1,998,273	\$1,741,744	\$1,658,387	\$2,168,495	\$23,911,740
SF	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$89
TD	\$116	\$93	\$72	\$65	\$60	\$75	\$97	\$97	\$76	\$64	\$57	\$87	\$959
TS	\$280,503	\$236,498	\$279,243	\$263,771	\$272,750	\$261,336	\$271,444	\$276,619	\$258,073	\$252,635	\$243,616	\$262,915	\$3,159,404
CUR	\$13,786	\$11,596	\$11,012	\$10,366	\$9,231	\$9,425	\$9,654	\$9,254	\$9,081	\$8,678	\$9,623	\$11,856	\$123,562
Grand Total	\$4,229,855	\$3,421,324	\$3,256,730	\$3,034,960	\$2,981,371	\$3,531,793	\$4,102,788	\$4,024,832	\$3,579,615	\$3,244,285	\$3,062,559	\$3,633,258	\$42,103,370

**DUKE ENERGY OHIO
KWH BY MONTH AND RATE FOR RATES DS, DP, AND TS
JANUARY 2017 - DECEMBER 2017**

Sum of	USAGE	Column Labels			
Row Labels		DP	DS	TS	Grand Total
1/1/2017		176,217,667	551,836,133	295,550,204	1,023,604,004
2/1/2017		161,757,603	497,798,393	257,635,934	917,191,930
3/1/2017		159,784,336	487,404,771	295,102,151	942,291,258
4/1/2017		169,279,451	492,410,631	264,409,121	926,099,203
5/1/2017		174,523,556	504,789,700	302,857,132	982,170,388
6/1/2017		186,290,740	565,528,767	278,325,945	1,030,145,452
7/1/2017		199,374,835	606,278,079	292,082,226	1,097,735,140
8/1/2017		193,996,897	594,791,662	291,035,462	1,079,824,021
9/1/2017		186,697,587	572,362,805	274,906,162	1,033,966,554
10/1/2017		175,502,846	536,327,640	246,452,413	958,282,899
11/1/2017		165,272,164	493,597,867	248,588,733	907,458,764
12/1/2017		161,954,853	511,984,277	269,571,290	943,510,420
Grand Total		2,110,652,535	6,415,110,725	3,316,516,773	11,842,280,033

Duke Energy Ohio
Energy Efficiency and Peak Demand Response Rider
Summary of Billing Determinants

Year

July 2018 - June 2019

Projected Annual Electric Sales KWH

Residential Rates RS, ORH, TD, RS3P, RSLI, TD-13

7,284,645,159

Non-Residential Rates

DS, DP, DM, GS-FL, EH, SP, SFL-ADPL, TS, RTP, & CUR

12,952,543,914

Non-Residential Rates

DS, DP, & TS

12,206,806,057

Duke Energy Ohio
Energy Efficiency and Peak Demand Response Rider
Summary of Calculations

2018 Annual Filing

Rate Schedule	2012-2014 Actual Program Costs & Shared Savings	2012-2014 Actual Lost Revenues (DS, DP, TS)	2012-2014 Actual Riders EE-PDRR / SAWR Revenues	2016 Actual Program Costs & Shared Savings	2016 Actual Lost Revenues (DS, DP, TS)	2016 Actual Riders EE-PDRR Revenues	2018 Expected Program Costs & Shared Savings	2018 Expected Lost Revenues (DS, DP, TS)	Total Revenue Requirements	Total Revenue Requirements Plus CAT (b)	Estimated Billing Determinants	Effective July 2017 Energy Efficiency and Peak Demand Response Recovery Rider (EE-PDRR)
	A	B	C	D	E	F	G	H	A+B+C+D+E+F+G+H+ AA+BB+CC+DD+EE+FF			
<u>Electric Rider DSM</u>	(d)	(a)		(d)	(a)		(d)	(a)				
Residential Rates RS, ORH, TD, RS3P, RSLI, TD-13	\$ 57,060,033	\$ -	\$ (48,028,991)	\$ 12,949,286	\$ -	\$ (25,072,795)	\$ 17,891,624	\$ -	\$ (8,514,690)	\$ (8,536,887)	7,284,645,159 kWh	\$ (0.001172) \$/kWh
Distribution Level Rates - Program Cost Recovery (Part A) Applies to Rates DS, DP, DM, GS-FL, EH, SFL-ADPL, TS, RTP, & CUR	\$ 52,456,573	\$ -	\$ (46,708,059)	\$ 31,574,208	\$ -	\$ (15,733,707)	\$ 20,760,450	\$ -	\$ 69,254,091	\$ 69,434,623	12,952,543,914 kWh	\$ 0.005361 \$/kWh
Distribution Level Rates - Lost Revenue Recovery (Part B) Applies to Rates DS, DP, TS, & RTP		\$ 5,653,696	\$ (6,770,213)		\$ 2,137,750	\$ (3,235,906)	\$ -	\$ 2,097,400	\$ (1,729,075)	\$ (1,733,582)	12,206,806,057 kWh	\$ (0.000142) \$/kWh
Total Recovery	\$ 109,516,606	\$ 5,653,696	\$ (101,507,263)	\$ 44,523,494	\$ 2,137,750	\$ (44,042,408)	\$ 38,652,074	\$ 2,097,400	\$ 59,010,326	\$ 59,164,154		
	2015 Actual Program Costs & Shared Savings	2015 Actual Lost Revenues (DS, DP, TS)	2015 Actual Riders EE-PDRR Revenues	2017 Actual Program Costs & Shared Savings	2017 Actual Lost Revenues (DS, DP, TS)	2017 Actual Riders EE-PDRR Revenues	Adjustments From Case No. 14-457, 15-534					
	AA	BB	CC	DD	EE	FF	GG (Amounts Included in Column A)					
<u>Electric Rider DSM</u>	(d)	(a)		(d)	(a)							
Residential Rates RS, ORH, TD, RS3P, RSLI, TD-13	\$ 16,413,356	\$ -	\$ (24,879,730)	\$ 9,085,353	\$ -	\$ (23,932,826)	\$	\$ (1,861,446)				
Distribution Level Rates - Program Cost Recovery (Part A) Applies to Rates DS, DP, DM, GS-FL, EH, SFL-ADPL, TS, RTP, & CUR	\$ 15,118,552	\$ -	\$ (15,546,893)	\$ 42,365,306	\$ -	\$ (15,032,339)	\$	\$ (3,137,530)				
Distribution Level Rates - Lost Revenue Recovery (Part B) Applies to Rates DS, DP, TS, & RTP		\$ 1,940,545	\$ (3,215,679)	\$ -	\$ 2,801,537	\$ (3,138,204)						
Total Recovery	\$ 31,531,908	\$ 1,940,545	\$ (43,642,302)	\$ 51,450,660	\$ 2,801,537							
Total Charge for Residential Rates RS, ORH, TD, RS3P, RSLI, TD-2013												\$ (0.001172) \$/kWh
Total Charge for Rates DM, GS-FL, EH, SFL-ADPL, & CUR (Part A Only)												\$ 0.005361 \$/kWh
Total Charge for Rates DS, DP, TS, & RTP (Part A plus Part B)												\$ 0.005219 \$/kWh

Note: (a) Rider DDR (Distribution Decoupling Rider) does not apply to Rates DS, DP, and TS. These rates are therefore subject to lost distribution revenue recovery under Rider EE-PDR.
 (b) Commercial Activity Tax (CAT) factor is 1.0026068
 (c) Includes adjustments ordered in Case No. 14-457-EL-RDR and 15-534-EL-RDR. Adjustments are shown in GG.
 (d) M&V costs are included in the Shared Savings calculation per the order in Case No. 13-753-EL-RDR

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in

Case No(s). 18-0397-EL-RDR

Summary: Testimony Attachment JEZ-1 Rate Calculations electronically filed by Carys Cochern on behalf of Watts, Elizabeth H. Ms.