BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of Duke Energy Ohio, Inc., for Recovery of Program Costs, Lost Distribution Revenue and Performance Incentives Related to its Energy Efficiency and Demand Response Programs.	))))))	Case No. 19-622-EL-RDR

AMENDED APPLICATION OF DUKE ENERGY OHIO, INC.

Duke Energy Ohio, Inc., (Duke Energy Ohio or the Company) submits this Amended Application to provide cost schedules that have been revised consistent the Ohio Supreme Court's October 15, 2019 decision in *In re Application of Ohio Edison Co.*, Slip Opinion No. 2019-Ohio-4196 (*Ohio Edison*),[1] that was issued after the Company's original application in this proceeding had been submitted. The *Ohio Edison* decision is determinative of an issue currently pending before the Public Utilities Commission of Ohio (Commission) on rehearing in the Company's Appliction in Case No. 16-576-EL-POR, and directly impacts the Company's Application pending in this proceeding.

In *Ohio Edison*, the Court reversed an Opinion and Order by the Commission related to the energy efficiency and peak demand portfolio and cost recovery mechanism for Ohio Edison Company, the Cleveland Electric Illuminating Company, and the Toledo Edison Company (FirstEnergy) that is identical to that of the Company. In *Ohio Edison*, the Commission had approved FirstEnergy's application for an energy efficiency portfolio and related cost recovery mechanism, but altered the stipulation by imposing a "cost cap" on costs

[1] *In re Application of Ohio Edison Co.*, Slip Opinion No. 2019-Ohio-4196.

incurred in implementing energy efficiency, peak demand reduction, and shared savings programs not to exceed 4 percent of its reported 2015 total revenues.[2] In *Ohio Edison* the Court held: "...we find no express or implied authorization in the language of R.C.4928.66 that would allow the commission to preemptively impose a limitation on FirstEnergy's recovery of costs incurred in order to meet its statutory benchmarks."[3]

Like FirstEnergy, Duke Energy Ohio is currently subject to a Commission-imposed cap on its cost recovery for energy efficiency and peak demand initiatives undertaken to comply with R.C. 4928.66. Both FirstEnergy and Duke Energy Ohio submitted applications for energy efficiency and peak demand reduction portfolios and cost recovery mechanism sfor the period of 2017-2019.[4] On January 27, 2017, Duke Energy Ohio, along with other stipulating parties submitted an Amended Stipulation (Stipulation) for Commission approval, that among other things, provided for a cost recovery mechanism with no cost cap. Just like it did in Ohio Edison, the Commission approved Duke Energy Ohio's Stipulation in a modified form by imposing a cost cap based on the same factors; four percent of Duke Energy Ohio's total electric retail revenues as reported in the 2015 FERC Form 1 Annual Report.[5] Duke Energy Ohio timely sought rehearing of the Commission's Opinion and Order in this case and specifically argued that the Commission had no basis – legal or factual – upon which to impose a cap on cost recovery.[6] The Commission granted rehearing on November 21,

---

[2] *Id.*
[3] *Id.*
[4] *In the Matter of the Application of Ohio Edison Company, The Cleveland Electric Illuminating Company, and The Toledo Edison Company for Approval of Their Energy Efficiency and Peak Demand Reduction Program Portfolio Plans for 2017 Through 2019*, Case No.16-073-EL-POR, Application (April 15, 2016), and;
In the Matter of the Application of Duke Energy Ohio, Inc. for Approval of its 2017-2019 Energy Efficiency and Peak Demand Reduction Program Portfolio Plan, Case No.16-576-EL-POR, Opinion and Order, September 27, 2017 at pg.22.
[5] *In re Application of Ohio Edison Co.*, Slip Opinion No. 2019-Ohio-4196.
[6] *In the Matter of the Application of Duke Energy Ohio, Inc. for Approval of its 2017-2019 Energy Efficiency and Peak Demand Reduction Program Portfolio Plan*, Case No.16-576-EL-POR Duke Energy Ohio, Inc.'s Application for Rehearing, (October 27, 2017).

2017, for further consideration and granted the Company's waiver request regarding the imposition of the cost cap for 2017, but did so on the condition that the Company not receive any shared savings incentive for 2017.[7] To date, the Commission has not substantively addressed the Application for Rehearing filed by the Company and other parties who also sought rehearing of the September 27, 2017, Order.[8]

In light of the recent Supreme Court decision, the Commission should, on rehearing, amend its prior order to remove the improper cost-recovery cap. The cap, and the necessary waiver of that cap due to timing caused the Company to be foreclosed from recovery of shared savings in 2017. Had the Commission not imposed a cap, the waiver would not have been necessary and the Company would have had an opportunity to earn shared savings for 2017. Accordingly, the current cost recovery cap imposed upon the Company's EE-PDR Rider for the period 2017-2019 should be removed and the Company now seeks to amend its Application in this case to true-up its EE-PDR costs as if the improper cost cap was not in effect.

In 2019, Duke Energy Ohio submitted an application for recovery of program costs, lost distribution revenues, and a performance incentive for costs incurred in 2018. The performance incentive was calculated at a lower amount than actually earned due to the cost-recovery cap previously imposed by the Commission and still subject to rehearing in the case below. Now the Ohio Supreme Court has conclusively determined that the Commission lacked authority to impose such a cost cap on a utility's energy efficiency/demand response

---

[7] *In the Matter of the Application of Duke Energy Ohio, Inc. for Approval of its 2017-2019 Energy Efficiency and Peak Demand Reduction Program Portfolio Plan*, Case No.16-576-EL-POR, Entry on Rehearing (November 21, 2017).

[8] On January 10, 2018, the Commission issued its Second Entry on Rehearing in response to an Application for Rehearing filed by the OCC on December 21, 2017. In that Second Entry for Rehearing, the Commission denied OCC's December 21, 2017 Application for Rehearing challenging the Commission's approval of the Company's waiver request. Second Entry on Rehearing did not address any of the rehearing issuses granted by the Commission in its November 21, 2017 Entry.

programs required under Ohio law. Accordingly, the Company submits its revised and corrected calculation, excluding and eliminating the improper cost recovery cap, and in a manner that is consistent with the Court's *Ohio Edison* decision. The revised tariff sheets and worksheets showing revised calculations are attached hereto.

Rule 4901:1-39-07, O.A.C., provides for the recovery of costs and specifies what may be included in a cost recovery mechanism. Rule 4901:1-39-07, O.A.C., states that cost recovery may include "costs due to electric utility peak-demand reduction, demand response, energy efficiency program costs, appropriate lost distribution revenues, and shared savings."

This Amended Application continues to rely upon the testimony already filed by Duke Energy Ohio witnesses Haemmerle and James E. Ziolkowski (and not refiled with this amended application), but includes schedules that have been corrected per Court precedent to include compliance costs that would have otherwise been included had the unlawful cap not been imposed. Consistent with the Supreme Court's Ohio Edison decision, the Company has revised its schedules in this proceeding to remove the impact of the improper cost cap on the the Company's portfolio that has been in effect since its approval, but remains pending before the Commission on rehearing in 16-0576-EL-POR (as well as the improper limitation on the inclusion of shared savings for 2017 as a condition of a waiver of the now-determined improper cost-cap).

On December 12, 2019, the Staff of the Commission issued its Review and Recommendations (Staff Report) in the this proceeding, that among other things recommended disallowances for costs that Staff believes are improper. While the Company does not agree with the Staff's recommendations, the Company notes that the Staff Report also failed to recognize the fact that the cost-recovery cap imposed by the Commission is invalid per the Ohio Supreme Court decision in Ohio Edison. The Staff Report made no

adjustment reflecting the fact that the cost cap on the Company's filing is inconsistent with the Court's holding in *Ohio Edison*. Accordingly, the Commission should not take any action on the Staff Report.

As supported by the testimony of the Duke Energy Ohio witnesses filed previously with the Company's original application, the Company respectfully requests that the Commission approve its Amended Application, subject to the terms outlined herein and with removal of the cost-recovery cap previously imposed.

Respectfully submitted,

/s/ Rocco O. D'Ascenzo
Rocco O. D'Ascenzo (0077651)
Deputy General Counsel
Elizabeth H. Watts (0031092)
Associate General Counsel
Duke Energy Business Services, Inc.
139 Fourth Street, 1303-Main
P. O. Box 960
Cincinnati, Ohio 45202-0960
(513) 287-4359 (telephone)
(513) 287-4385 (facsimile)
Rocco.D'Ascenzo@duke-energy.com
Elizabeth.Watts@duke-energy.com

CERTIFICATE OF SERVICE

The undersigned hereby certifies that a true and accurate copy of the foregoing document was served this 20th day of December 2019, by U.S. mail, postage prepaid, or by electronic mail upon the persons listed below.

/s/Elizabeth H. Watts
Elizabeth Watts

John H. Jones
Thomas McNamee
Section Chief
Public Utilities Section
30 East Broad Street
16th Floor
Columbus, Ohio 43215-3414
John.Jones@ohioattorneygeneral.gov
Thomas.mcnamee@ohioattorneygeneral.gov

Counsel for The Public Utilities Commission of Ohio

Christopher Healey (Counsel of Record)
Assistant Consumers' Counsels
Office of the Ohio Consumers' Counsel
10 West Broad Street
Suite 1800
Columbus, Ohio 43215
Christopher.Healey@occ.ohio.gov

Counsel for the Office of the Ohio Consumer's Counsel

Miranda Leppla
Environmental Law & Policy Center
21 W. Broad Street., 8th Floor
Columbus, Ohio 43215
mleppa@elpc.org

Counsel for the Environmental Law & Policy Center

Colleen L. Mooney
Ohio Partners for Affordable Energy
P.O. Box 12451
Columbus, Ohio 43212
cmooney@opae.org

Counsel for the Ohio Partners for Affordable Energy

RIDER EE-PDRR
ENERGY EFFICIENCY AND PEAK DEMAND RESPONSE RECOVERY RATE

The EE-PDRR rate shall be determined in accordance with the provisions of Rider EE-PDR, Energy Efficiency and Peak Demand Response Recovery rider, Sheet No. 120 of this Tariff.

The EE-PDRR rate to be applied to residential service customer bills beginning with the ~~May 2014~~____ revenue month is ~~($0.002157~~001849)~~$0.003443~~ per kilowatt-hour.

The EE-PDRR rate to be applied to non-residential service customer bills, other than service under Rates DS, DP, TS, and RTP, beginning with the ~~May 2014~~_____ revenue month for distribution service is $0.~~001405~~ ~~005799~~006012 per kilowatt-hour.

The EE-PDRR rate to be applied to non-residential service customer bills, for service under Rates DS, DP, TS, and RTP, beginning with the ~~May 2014~~_____ revenue month for distribution service is $0.~~00167000~~5703005917 per kilowatt-hour.

This Rider is subject to reconciliation, including, but not limited to, refunds or additional charges to customers, ordered by the Commission as the result of audits by the Commission in accordance with the December 19, 2018, Opinion and Order in Case No. 17-1263-EL-SSO, et al.

RIDER EE-PDRR
ENERGY EFFICIENCY AND PEAK DEMAND RESPONSE RECOVERY RATE

The EE-PDRR rate shall be determined in accordance with the provisions of Rider EE-PDR, Energy Efficiency and Peak Demand Response Recovery rider, Sheet No. 120 of this Tariff.

The EE-PDRR rate to be applied to residential service customer bills beginning with the ____ revenue month is ($0.001849) per kilowatt-hour.

The EE-PDRR rate to be applied to non-residential service customer bills, other than service under Rates DS, DP, TS, and RTP, beginning with the _____ revenue month for distribution service is $0.006012 per kilowatt-hour.

The EE-PDRR rate to be applied to non-residential service customer bills, for service under Rates DS, DP, TS, and RTP, beginning with the _____ revenue month for distribution service is $0.005917 per kilowatt-hour.

This Rider is subject to reconciliation, including, but not limited to, refunds or additional charges to customers, ordered by the Commission as the result of audits by the Commission in accordance with the December 19, 2018, Opinion and Order in Case No. 17-1263-EL-SSO, et al.

Duke Energy Ohio
2018 True Up
Shared Savings Achievements and Revenue Requirement Compared to Cap

Achievement Level

	2018 Achievement from Shared Savings Portfolio	345,146
1	+ Use of Incentive Bank, if any	0
	= Total Claimed Impacts	345,146
	/ Mandate excluding Mercantile	197,555
	= **Achievement**	**175%**
	- Achievement Used for 2018 Calculation	221,262
	= Impacts to Bank, if any	123,884

Shared Savings Rate and Tax Gross-up

	After-Tax Achievement Rate	12.0%
	/ Tax Grossup Factor	77.8410%
	= **Pre-Tax Achievement Rate**	**15.42%**

Shared Savings Cap

2	After-Tax Achievement Cap	$8,000,000
	/ Tax Grossup Factor	77.8410%
	= **Pre-Tax Achievement Cap**	**$10,277,360**

Shared Savings, Capped

	Shared Savings Achievement, Uncapped	$18,641,770
	- Pre-Tax Achievement Cap	$10,277,360
	= Shared Savings Achievement, Compared to Cap	$8,364,409
	Shared Savings Achievement, Capped	**$10,277,360**

Bank

	Starting Incentive Bank from Prior Year's True-up Filing	309,882
	- Use of Incentive Bank, if any	0
	+ Banked Impacts	123,884
	= Ending Incentive Bank	433,767

Achievement Tiers

Achievement of Annual Target	After-Tax Shared Savings
≤100	0.0%
>100-106	6.0%
≥106-112	9.0%
>112	12.0%

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

2 - Caps as set in order in Case No. 16-576-EL-POR

Duke Energy Ohio
2018 True Up
Total Revenue Requirement

	Res	NonRes	Total
Shared Savings Revenue	23,656,863	21,304,115	44,960,977
Lost Revenues	0	3,345,900	3,345,900
Mercantile Self-Direct Cost Recovery		244,648	244,648
Total Revenue Requirement	**23,656,863**	**24,894,662**	**48,551,525**

Data Group One
2010 Tax Up Program Summary

Program	Group Type	Claimed Base Rate PL @ Post-Cap (Base+Bond)	Claimed PM Rate PL @ Post Total (Base+Bond)	Participants	# of Measure Made	Total MPV Avoided Cost of Capacity / Load	Total MPV Avoided Cost of Energy / Load	Total MPV Avoided Cost of TRC / Test	Total Avoided Costs	Total Costs	Total Benefits	Total Savings per kw	Total MPV Avoided Cost of Energy / Load	Total Savings per kw	Net Savings Revenue Requirement	Net After Costs	Total Costs	Less Statutory Revenue Requirement	Customer Cap Adjustment	Shared Savings Revenue, Capped	Cost Recovery Revenue Adjustment	Total Revenue	Total Revenue Adjustment	Total Revenue, Capped	Cost Recovery Rider Offset $	Total Customer Requirement ($)
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y
		####	####	####	####	$ ####	$ ####	$ ####	$ ####	$ ####	$ ####	####	$ ####	####	$ ####	$ ####	$ ####	$ ####	$ ####	$ ####	$ ####	$ ####	$ ####	$ ####	$ ####	$ ####
Shared Savings Summary																										
Gas																										
Energy Efficiency																										
Long-Term Efficiency Education Program for Schools		1,940,713	994	0.04%	$ 841,350	$ 695,825	$ 376,625	$ 1,914,764	$ 847,305	$ 1,068,515	55.62%	$ 295,767	$ 468,880	$ 467,305	$ 967,305	$ 1,104,067	$ 66,730	$ -	$ 967,305	$ 966,696	$ -	$ 966,696	$ -	$ 966,696	$ -	$ 966,696
Home Energy Improvement Report		102,340,440	39,165	38.28%	$ 2,997,964	$ 2,992,492	$ 1,644,241	$ 7,734,284	$ 6,726,782	$ 8,980,299	23.62%	$ 2,253,516	$ 5,329,584	$ 6,726,782	$ 6,726,782	$ (277,418)	$ -	$ 6,726,782	$ 1,054,279	$ -	$ 1,054,279	$ -	$ 1,054,279	$ -	$ 1,054,279	
Low Income Weatherization Program		45,1,005	565	1.55%	$ 99,966	$ 99,966	$ 49,982	$ 249,914	$ 454,555	$ 454,555	23.62%	$ 107,357	$ 254,555	$ 454,555	$ 454,555	$ 1,179,555	$ -	$ 454,555	$ 724,998	$ -	$ 724,998	$ -	$ 724,998	$ -	$ 724,998	
Low Income Weatherization - Pay for Performance		1,001,101	139	11.00%	$ 78,732	$ 393,365	$ 98,708	$ 570,805	$ 388,866	$ 388,866	23.62%	$ 91,854	$ 388,866	$ 388,866	$ 388,866	$ 388,866	$ -	$ 388,866	$ 176,140	$ -	$ 176,140	$ -	$ 176,140	$ -	$ 176,140	
Residential Energy Assessments		2,277,170	170	13.17%	$ 99,375	$ 1,988,504	$ 1,138,287	$ 3,227,166	$ 2,317,000	$ 3,476,500	23.62%	$ 547,166	$ 1,317,000	$ 1,317,000	$ 1,317,000	$ 1,317,000	$ -	$ 1,317,000	$ 1,959,501	$ -	$ 1,959,501	$ -	$ 1,959,501	$ -	$ 1,959,501	
Smart Saver® Incentive		112,057,954	52,150	1,001,718	$ 2,994,960	$ 52,004,175	$ 25,994,148	$ 80,993,283	$ 50,000,000	$ 66,112,700	75.62%	$ 38,170,000	$ 575,000	$ 50,000,000	$ 50,000,000	(2,001,000)	$ 2,076,953	$ 50,000,000	$ 15,976,954	$ -	$ 15,976,954	$ -	$ 15,976,954	$ -	$ 15,976,954	
Total		221,247,884	96,206	1,140,676	$ 10,106,720	$ 58,174,127	$ 29,317,991	$ 95,490,267	$ 61,000,000	$ 81,000,000		$ 41,924,340	$ 9,141,135	$ 61,000,000	$ 61,000,000	$ 61,000,000	$ 6,245,970	$ 61,000,000	$ 20,000,000	$ -	$ 20,000,000	$ -	$ 20,000,000	$ -	$ 20,000,000	
Combined Incentive			75,630		$ 4,997,500		$ 9,995,000	$ 14,992,500	$ 1,000,000	$ 1,000,000		$ 1,000,000														
Power Manager®			75,630		$ 4,997,500		$ 9,995,000	$ 14,992,500	$ 1,000,000	$ 1,000,000	15.62%	$ 1,000,000	$ 922,170	$ 60,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000
Total			75,630		$ 4,997,500		$ 9,995,000	$ 14,992,500	$ 1,000,000	$ 1,000,000		$ 1,000,000	$ 922,170	$ 60,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000
Combo																										
Energy Efficiency																										
Power Manager® for Business - HI		847,510	256	0.02%	$ 251,467	$ 188,722	$ 94,750	$ 534,938	$ 188,179	$ 188,179	15.62%	$ 29,373	$ 140,000	$ -	$ 188,179	$ 188,179	$ 1,140,967	$ 952,788	$ -	$ 188,179	$ -	$ 188,179	$ -	$ 188,179	$ 2,152.05	$ 186,026.95
Local Business Energy Saver		16,104,804	2,900	33,126.76%	$ 2,548,500	$ 2,548,654	$ 1,000,000	$ 6,177,154	$ 4,000,000	$ 4,761,513	15.62%	$ 1,000,000	$ 1,575,847	$ 35,707	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ -	$ 3,000,000	$ 3,000,000	$ -	$ 3,000,000	$ -	$ 3,000,000	$ 623,360.95	$ 2,376,639.05
Smart Saver® New Construction Custom		20,000,000	3,540	0.07%	$ 1,000,000	$ 1,250,000	$ 1,750,000	$ 4,175,000	$ 3,312,000	$ 13,000,000	15.62%	$ 1,000,000	$ 1,250,000	$ 1,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ -	$ 3,000,000	$ 3,000,000	$ -	$ 3,000,000	$ -	$ 3,000,000	$ 600,000	$ 2,400,000
Smart Saver® New Construction Incentive		75,760,000	11,000	1,000,000	$ 750,000	$ 1,177,000	$ 177,000	$ 1,104,000	$ 1,104,000	$ 38,500,000	15.62%	$ 6,000,000	$ 7,500,000	$ 200,000	$ 6,000,000	$ 6,000,000	$ 6,000,000	$ -	$ 6,000,000	$ 6,000,000	$ -	$ 6,000,000	$ -	$ 6,000,000	$ 1,000,000	$ 5,000,000
Total		112,712,314	17,696	34,132,826	$ 50,711,971	$ 52,345,376	$ 26,000,000	$ 44,000,000	$ 33,000,000	$ 56,000,000		$ 7,029,373	$ 16,966,847	$ 35,907	$ 33,000,000	$ 33,000,000	$ 33,000,000	$ -	$ 33,000,000	$ 33,000,000	$ -	$ 33,000,000	$ -	$ 33,000,000	$ 2,000,000	$ 31,000,000
Gas-and-Propane																										
Power Manager® for Business - HI			1,250		$ 71,000	$	$ 35,000	$ 106,000	$	$ 188,000	15.62%	$ 22,904	$	$	$	$	$ 14,000	$ -	$ 14,000	$ 14,000	$ -	$ 14,000	$ -	$ 14,000	$	$ 14,000
PowerSaver®			96,317		$ 4,782,851		$ 4,500,000	$ 9,282,851	$ 1,000,000	$ 1,000,000	15.62%	$ 1,000,000	$ 1,750,000	$ 60,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000	$	$ 1,000,000
Total			98,067		$ 4,854,000	$	$ 4,535,000	$ 9,388,851	$ 1,000,000	$ 1,188,000		$ 1,022,904	$ 1,750,000	$ 60,000	$ 1,000,000	$ 1,000,000	$ 1,014,000	$ -	$ 1,014,000	$ 1,014,000	$ -	$ 1,014,000	$ -	$ 1,014,000	$	$ 1,014,000
Total		000,100,000	000,000	35,000,000	$ 60,000,000	$ 70,000,000	$ 60,000,000	$ 200,000,000	$ 100,000,000	$ 150,000,000		$ 50,000,000	$ 34,000,000	$ 1,000,000	$ 60,000,000	$ 60,000,000	$ 60,000,000	$ -	$ 60,000,000	$ 60,000,000	$ -	$ 60,000,000	$ -	$ 60,000,000	$ 2,000,000	$ 58,000,000
Low Income Only																										
Energy Efficiency																										
Multi-family Low Income		2,270,000	000	100,000									$ 200,000	$	$ 200,000	$ 200,000	$	$	$	$ 200,000	$	$ 200,000	$	$ 200,000	$	$ 200,000
Total		2,270,000	000	100,000									$ 200,000	$	$ 200,000	$ 200,000	$	$	$	$ 200,000	$	$ 200,000	$	$ 200,000	$	$ 200,000
Total		2,270,000	000	100,000									$ 200,000	$	$ 200,000	$ 200,000	$	$	$	$ 200,000	$	$ 200,000	$	$ 200,000	$	$ 200,000
Other IT Projects and Upgrade																										
Gas																										
Energy Efficiency																										
Low Income Weatherization		[illegible]	[illegible]	0.0%																						
Total		000,000	00	0.0																						
Total		[illegible]	00	000																						
Total		000,000,000	000,000	00,000,000	$ 00,000,000	$ 00,000,000	$ 00,000,000	$ 000,000,000	$ 00,000,000	$ 000,000,000		$ 00,000,000	$ 00,000,000	$ 0,000,000	$ 00,000,000	$ 00,000,000	$ 00,000,000	$ -	$ 00,000,000	$ 00,000,000	$ -	$ 00,000,000	$ -	$ 00,000,000	$ 0,000,000	$ 00,000,000
Energy Efficiency																										
Gas Total		000,000,000	00,000	0,000,000	$ 00,000,000	$ 00,000,000	$ 00,000,000	$ 000,000,000	$ 00,000,000	$ 000,000,000		$ 00,000,000	$ 00,000,000	$ 000,000	$ 00,000,000	$ 00,000,000	$ 00,000,000	$ -	$ 00,000,000	$ 00,000,000	$ -	$ 00,000,000	$ -	$ 00,000,000	$ 0,000,000	$ 00,000,000
Combo Total		000,000,000	00,000,000	00,000,000	$ 00,000,000	$ 00,000,000	$ 00,000,000	$ 000,000,000	$ 00,000,000	$ 000,000,000		$ 00,000,000	$ 00,000,000	$ 0,000,000	$ 00,000,000	$ 00,000,000	$ 00,000,000	$ -	$ 00,000,000	$ 00,000,000	$ -	$ 00,000,000	$ -	$ 00,000,000	$ 0,000,000	$ 00,000,000
Demand Response																										
Gas Total		0	75,630	0	$ 4,997,500	$	$ 9,995,000	$ 14,992,500	$ 1,000,000	$ 1,000,000		$ 1,000,000	$ 922,500	$ 60,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000
Combo Total		0	75,630	0	$ 4,997,500	$	$ 9,995,000	$ 14,992,500	$ 1,000,000	$ 1,000,000		$ 1,000,000	$ 1,000,000	$ 60,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000	$ -	$ 1,000,000

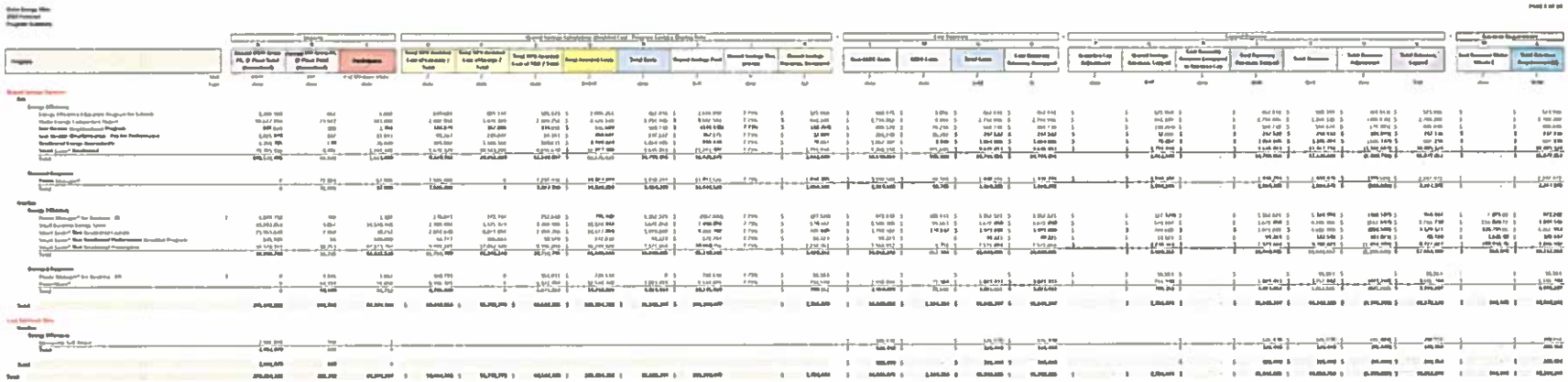
The following participants were found to have low-balanced when therefore, that impact and detailed mode not met count towards 100% shared savings recovery

Non-Material		000,000	00	000,000	$ 00,000	$ 00,000	$ 00,000	$ 000,000	$ 000,000		15.62%		$ 00,000													

				NR LR Rate		0.015135	
				Non Res Totals	$ 3,344,767	$66,334	220,994,496
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		124.90	73,935.25	
Appliance Recycling Program	FRCYCL	RS	2016		7.39	4,377.19	
Appliance Recycling Program	FRCYCL	RS01	2015		0.43	252.53	
Appliance Recycling Program	RRCYCL	RS	2015		590.64	470,005.16	
Appliance Recycling Program	RRCYCL	RS	2016		40.54	32,258.88	
Appliance Recycling Program	RRCYCL	RS01	2015		5.19	4,133.17	
Energy Efficiency Education Program for Schools	K12PRF	RS	2015		5,930.83	1,351,665.00	
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		9,721.50	3,909,166.00	
Energy Efficiency Education Program for Schools	K12PRF	RS	2018		4,366.32	1,844,013.33	
Energy Efficiency Education Program for Schools	K12PRF	RS01	2015		4.76	1,829.67	
Energy Efficiency Education Program for Schools	K12PRF	RS01	2016		16.86	6,487.00	
Energy Efficiency Education Program for Schools	K12PRF	RS01	2017		19.48	7,984.00	
Energy Efficiency Education Program for Schools	K12PRF	RS01	2018		7.76	3,275.94	
Home Energy Comparison Report	HECR	RS	2015		-	-	
Home Energy Comparison Report	HECR	RS	2016		-	-	
Home Energy Comparison Report	HECR	RS	2017		-	-	
Home Energy Comparison Report	HECR	RS	2018		-	-	
Home Energy Comparison Report	MFHE[illegible]	RS	2018		202,606.22	64,176,291.90	
Low Income Neighborhood Program	HWLI	RS	2015		6,211.51	2,571,520.17	
Low Income Neighborhood Program	HWLI	RS	2016		1,017.64	260,205.39	
Low Income Neighborhood Program	HWLI	RS	2017		2,091.15	527,837.86	
Low Income Neighborhood Program	HWLI	RS	2018		1,787.83	452,170.89	
Low Income Neighborhood Program	HWLI	RS01	2015		439.65	185,675.00	
Low Income Neighborhood Program	HWLI	RS01	2016		1.36	343.11	
Low Income Neighborhood Program	HWLI	RS01	2017		53.83	13,587.09	
Low Income Neighborhood Program	HWLI	RS01	2018		35.89	9,058.06	
Low Income Neighborhood Program	HWLI	RS3P	2018		12.76	5,390.00	
Mercantile Self-Direct	NRCSSD	DP	2016		0.25	105.00	
Mercantile Self-Direct	NRCSSD	DP	2017		229.82	55,033.75	
Mercantile Self-Direct	NRCSSD	DS	2015		10,035.10	6,635,462.73	
Mercantile Self-Direct	NRCSSD	DS	2016		2,218.37	2,171,886.60	
Mercantile Self-Direct	NRCSSD	DS	2018		854.73	460,581.30	
Mercantile Self-Direct	NRCSSD	TS	2015		491.45	809,519.69	
Mercantile Self-Direct	NRCSSD	TS	2016		3.98	1,002.00	
Mercantile Self-Direct	NRCSSD	TS	2017		54,524.25	38,793,171.01	
Mercantile Self-Direct	NRCSSD	TS	2018		6,447.20	1,449,160.68	
Mercantile Self-Direct	NRPRSD	DP	2015		121.29	88,602.55	
Mercantile Self-Direct	NRPRSD	DS	2015		-	-	
Mercantile Self-Direct	NRPRSD	DS	2017		7.26	2,692.18	
Mercantile Self-Direct	NRPRSD	DS	2018		465.62	193,472.50	
Mercantile Self-Direct	NRPRSD	TS	2017		171.50	222,008.56	
Mercantile Self-Direct	NRPRSD	TS	2018		897.70	348,298.15	
Residential Energy Assessments	HEHC	RS	2015		152.78	61,158.90	
Residential Energy Assessments	HEHC	RS	2016		6,501.44	822,651.08	
Residential Energy Assessments	HEHC	RS	2017		4,767.77	1,864,409.58	
Residential Energy Assessments	HEHC	RS	2018		4,869.26	1,960,141.04	
Residential Energy Assessments	HEHC	RS01	2015		3,415.42	1,484,499.20	
Residential Energy Assessments	HEHC	RS01	2016		2.62	264.17	
Residential Energy Assessments	HEHC	RS01	2017		11.20	4,394.28	
Residential Energy Assessments	HEHC	RS3P	2016		4.18	1,587.94	
Residential Energy Assessments	HEHC	RS3P	2017		2.41	981.08	
Small Business Energy Saver	SSBDIR	DM	2015		2.48	1,098.33	
Small Business Energy Saver	SSBDIR	DM	2016		5,198.08	2,059,438.00	
Small Business Energy Saver	SSBDIR	DM	2017		7,880.87	3,071,550.10	
Small Business Energy Saver	SSBDIR	DM	2018		11,813.82	4,398,629.79	
Small Business Energy Saver	SSBDIR	DS	2015	$ 121,003	3,667.90	1,560,761.75	
Small Business Energy Saver	SSBDIR	DS	2016	$ 241,929	19,814.43	7,645,299.15	
Small Business Energy Saver	SSBDIR	DS	2017	$ 170,012	36,965.10	15,285,752.45	
Small Business Energy Saver	SSBDIR	DS	2018	$ 90,418	30,043.57	13,741,816.84	
Small Business Energy Saver	SSBDIR	EH	2016		12,268.74	5,712,865.84	
Small Business Energy Saver	SSBDIR	EH	2017		424.93	134,601.06	
Small Business Energy Saver	SSBDIR	EH	2018		62.32	29,282.64	
Small Business Energy Saver	SSBDIR	RS01	2018		62.28	48,225.60	
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2015		62.57	83,215.75	
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2016		747.28	849,237.32	
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2017		1,369.91	975,218.17	
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2018		699.79	509,854.02	
Low Income Weatherization - Pay for Performance	WTZKWH	RS01	2016		715.04	519,881.24	
Invalid	HES	RS	2015		0.84	613.10	
Invalid	HES	RS	2016			542,017.67	
Power Manager® for Business - EE	SBEEDR	DM	2018			561,152.00	
Power Manager® for Business - EE	SBEEDR	DS	2018	$ 1,133	357.25	180,504.00	
Power Manager® for Business - EE	SBEEDR	EH	2018		141.66	71,576.67	
Smart Saver® Residential	HPWH	RS	2015		1.15	581.33	
Smart Saver® Residential	HPWH	RS	2016		25.83	18,856.75	
Smart Saver® Residential	HPWH	RS	2017		39.00	28,472.45	
Smart Saver® Residential	HPWH	RS	2018		51.16	37,347.03	
Smart Saver® Residential	MFEEAR	RS	2015		30.27	22,098.01	
Smart Saver® Residential	MFEEAR	RS	2016		2,317.87	248,539.40	
Smart Saver® Residential	MFEEAR	RS	2017		3,309.16	100,653.63	
Smart Saver® Residential	MFEEAR	RS	2018		613.01	18,645.58	
Smart Saver® Residential	MFEEPW	RS	2015		723.12	21,994.88	
Smart Saver® Residential	MFEEPW	RS	2016		200.84	117,442.44	
Smart Saver® Residential	MFEEPW	RS	2017		101.52	19,064.43	
Smart Saver® Residential	MFEEPW	RS	2018		73.65	28,340.86	
Smart Saver® Residential	MFEESH	RS	2015		42.96	18,144.96	
Smart Saver® Residential	MFEESH	RS	2016		3,093.15	230,697.09	
Smart Saver® Residential	MFEESH	RS	2017		6,866.34	208,851.03	
Smart Saver® Residential	MFEESH	RS	2018		3,151.22	95,849.51	
Smart Saver® Residential	PEEPVS	RS	2015		1,898.10	57,733.91	
Smart Saver® Residential	PEEPVS	RS	2016		83.86	61,415.69	
Smart Saver® Residential	PEEPVS	RS	2017		209.36	153,315.07	
Smart Saver® Residential	PEEPVS	RS	2018		465.24	340,997.51	
Smart Saver® Residential	PEEPVS	RS3P	2017		208.57	153,246.83	
Smart Saver® Residential	PEEPVS	RS3P	2018		1.84	1,344.87	
Smart Saver® Residential	RCFL	RS	2015		0.74	542.47	
Smart Saver® Residential	RCFL	RS	2016		15,324.01	9,390,985.06	
Smart Saver® Residential	RCFL	RS	2017		(62.23)	(38,296.78)	
Smart Saver® Residential	RCFL	RS01	2015		(1.01)	(619.69)	
Smart Saver® Residential	RCFL	RS01	2016		139.63	85,572.24	
Smart Saver® Residential	RCFL	RS3P	2015		(1.01)	(619.69)	
Smart Saver® Residential	RCFLPM	RS	2015		5.45	3,342.04	
Smart Saver® Residential	RCFLPM	RS	2016		466.91	286,613.46	
Smart Saver® Residential	RCFLPM	RS	2017		430.18	264,050.28	
Smart Saver® Residential	RCFLPM	RS01	2015		90.34	55,451.00	
Smart Saver® Residential	RCFLPM	RS01	2016		1.21	743.90	
Smart Saver® Residential	RCFLSP	RS	2015		1.24	758.38	
Smart Saver® Residential	RCFLSP	RS	2016		4,940.40	2,884,872.22	
Smart Saver® Residential	RCFLSP	RS	2017		6,093.69	3,498,721.39	
Smart Saver® Residential	RCFLSP	RS	2018		7,054.83	4,023,845.38	
Smart Saver® Residential	RCFLSP	RS01	2015		2,781.95	1,381,165.86	
Smart Saver® Residential	RCFLSP	RS01	2016		25.65	14,994.36	
Smart Saver® Residential	RCFLSP	RS01	2017		31.06	17,789.05	
Smart Saver® Residential	RCFLSP	RS01	2018		51.78	29,456.49	
Smart Saver® Residential	RCFLSP	RS3P	2015		15.13	7,450.95	
Smart Saver® Residential	RCFLSP	RS3P	2016		1.29	751.42	
Smart Saver® Residential	RCFLSP	RS3P	2017		0.87	508.18	
Smart Saver® Residential	RCFLSP	RS3P	2018		1.62	890.53	
					2.21	1,054.08	

Smart Saver® Residential	RLED	RS	2016			11,661 16	7,180,539 12
Smart Saver® Residential	RLED	RS	2017			8,944.75	5,496,426.97
Smart Saver® Residential	RLED	RS	2018			63,318 70	34,188,512.06
Smart Saver® Residential	RLED	RSO1	2016			95 99	59,105.79
Smart Saver® Residential	RLED	RSO1	2017			16 12	9,799 80
Smart Saver® Residential	RLED	RSO1	2018			476 68	257,288.26
Smart Saver® Residential	RLED	RSJP	2016			3 13	1,925.75
Smart Saver® Residential	RLED	RSJP	2017			0 48	296.27
Smart Saver® Residential	RLED	RSJP	2018			6 29	3,406.54
Smart Saver® Residential	SFEEAR	RS	2015			1,063 43	785,962.47
Smart Saver® Residential	SFEEAR	RS	2016			824 81	609,540 80
Smart Saver® Residential	SFEEAR	RS	2017			1,885 11	1,392,468 40
Smart Saver® Residential	SFEEAR	RS	2018			2,617.20	1,925,020 83
Smart Saver® Residential	SFEEAR	RSO1	2015			0.58	432 13
Smart Saver® Residential	SFEEAR	RSO1	2016			2 30	1,698.40
Smart Saver® Residential	SFEEAR	RSO1	2017			1 74	1,279 30
Smart Saver® Residential	SFEEAR	RSO1	2018			2 17	1,597.04
Smart Saver® Residential	SFEEAR	RSJP	2017			0 50	370 40
Smart Saver® Residential	SFEEPW	RS	2015			490 07	354,454.92
Smart Saver® Residential	SFEEPW	RS	2016			397 56	287,546 00
Smart Saver® Residential	SFEEPW	RS	2017			967 64	699,865 85
Smart Saver® Residential	SFEEPW	RS	2018			933 34	675,059 66
Smart Saver® Residential	SFEEPW	RSO1	2015			0.26	187 83
Smart Saver® Residential	SFEEPW	RSO1	2016			1 11	805 00
Smart Saver® Residential	SFEEPW	RSO1	2017			0 67	483.00
Smart Saver® Residential	SFEEPW	RSO1	2018			0 75	544 16
Smart Saver® Residential	SFEEPW	RSJP	2017			0.22	161.00
Smart Saver® Residential	SFEESH	RS	2015			723 71	528,864 53
Smart Saver® Residential	SFEESH	RS	2016			538 57	393,573 60
Smart Saver® Residential	SFEESH	RS	2017			1,198 50	875,828 10
Smart Saver® Residential	SFEESH	RS	2018			1,998.74	1,460,616.85
Smart Saver® Residential	SFEESH	RSO1	2015			0.38	279 30
Smart Saver® Residential	SFEESH	RSO1	2016			1 47	1,077 30
Smart Saver® Residential	SFEESH	RSO1	2017			1.07	785 40
Smart Saver® Residential	SFEESH	RSO1	2018			1 71	1,251 95
Smart Saver® Residential	SFEESH	RSJP	2017			0.33	239 40
Smart Saver® Residential	SSAC	RS	2015			1,754 57	375,711 76
Smart Saver® Residential	SSAC	RS	2016			1,287 14	1,219,258 23
Smart Saver® Residential	SSAC	RS	2017			3,309 36	1,254,342 64
Smart Saver® Residential	SSAC	RS	2018			66 73	27,040.74
Smart Saver® Residential	SSAC	RSO1	2015			1 27	221 29
Smart Saver® Residential	SSAC	RSO1	2016			1 32	488 29
Smart Saver® Residential	SSAC	RSJP	2016			1 32	488 29
Smart Saver® Residential	SSAC	RSJP	2017			2 63	976 58
Smart Saver® Residential	SSACTU	RS	2015			0 25	87 75
Smart Saver® Residential	SSAIAS	RS	2015			79 37	30,434 72
Smart Saver® Residential	SSAIAS	RS	2016			284 26	108,995 60
Smart Saver® Residential	SSAIAS	RS	2017			294 83	113,759 99
Smart Saver® Residential	SSDINS	RS	2015			1 93	683 28
Smart Saver® Residential	SSDINS	RS	2017			1 93	683 28
Smart Saver® Residential	SSDSEA	RS	2015			5 79	2,052.05
Smart Saver® Residential	SSDSEA	RS	2016			2 71	959 40
Smart Saver® Residential	SSDSEA	RS	2017			2 71	959 40
Smart Saver® Residential	SSHP	RS	2015			1,304 66	698,243 00
Smart Saver® Residential	SSHP	RS	2016			1,855 63	692,812 61
Smart Saver® Residential	SSHP	RS	2017			1,564 37	596,260 32
Smart Saver® Residential	SSHP	RS	2018			35 07	14,722 47
Smart Saver® Residential	SSHP	RSJP	2015			1 21	685 47
Smart Saver® Residential	SSHPTU	RS	2015			7 41	2,754 18
Smart Saver® Residential	SSAISN	RS	2017			36 29	15,268 68
Smart Saver® Residential	SSAISN	RS	2018			224 46	94,439 61
Smart Saver® Residential	MPSMTS	RS	2018			458 26	200,976 14
Smart Saver® Residential	MPSMTS	RSO1	2018			0 30	131 53
Smart Saver® Residential	RLEDPM	RS	2018			238 45	128,717 24
Smart Saver® Residential	RTLLED	RS	2018			2,094 19	1,037,801 16
Smart Saver® Residential	SSAC2N	RS	2018			1,025 49	422,417 83
Smart Saver® Residential	SSAC2N	RSO1	2018			0 29	118 92
Smart Saver® Residential	SSAC2N	RSJP	2018			2 89	1,189 24
Smart Saver® Residential	SSAC2R	RS	2018			7 51	3,092 02
Smart Saver® Residential	SSAC3N	RS	2018			376 58	155,489 58
Smart Saver® Residential	SSAC3R	RS	2018			6 90	2,847 52
Smart Saver® Residential	SSAISR	RS	2018			52 08	21,913 87
Smart Saver® Residential	SSDINN	RS	2018			1 70	659 92
Smart Saver® Residential	SSDSEN	RS	2018			15 41	5,981 30
Smart Saver® Residential	SSDSER	RS	2018			5 64	2,188 28
Smart Saver® Residential	SSHP2N	RS	2018			897 62	397,768 30
Smart Saver® Residential	SSHP2R	RS	2018			4 56	2,022 86
Smart Saver® Residential	SSHP3N	RS	2018			693 76	306,521 31
Smart Saver® Residential	SSHP3N	RSJP	2018			4 45	1,964 88
Smart Saver® Residential	SSHP3R	RS	2018			8 89	3,929 76
Smart Saver® Residential	SSSTN	RS	2018			758 38	332,599 56
Smart Saver® Residential	SSSTN	RSO1	2018			0 17	73 94
Smart Saver® Residential	SSSTN	RSJP	2018			2 36	1,035 79
Smart Saver® Residential	SSSTR	RS	2018			9 09	3,986 56
Smart Saver® Non Residential Prescriptive	NRFS	DM	2015			(0.33)	(166.94)
Smart Saver® Non Residential Prescriptive	NRFS	DM	2016			12.24	8,938 20
Smart Saver® Non Residential Prescriptive	NRFS	DM	2017			13 35	8,068 75
Smart Saver® Non Residential Prescriptive	NRFS	DM	2018			74 72	54,563 80
Smart Saver® Non Residential Prescriptive	NRFS	DP	2015	$	9	0 42	308 34
Smart Saver® Non Residential Prescriptive	NRFS	DP	2016	$	1,069	245 92	109,784 63
Smart Saver® Non Residential Prescriptive	NRFS	DP	2017	$	718	119.00	73,698 34
Smart Saver® Non Residential Prescriptive	NRFS	DP	2018	$	12	3 38	1,236.19
Smart Saver® Non Residential Prescriptive	NRFS	DS	2015	$	1,650	166 18	104,275 53
Smart Saver® Non Residential Prescriptive	NRFS	DS	2016	$	2,973	330 45	187,871.20
Smart Saver® Non Residential Prescriptive	NRFS	DS	2017	$	35,975	3,830.96	2,273,023 37
Smart Saver® Non Residential Prescriptive	NRFS	DS	2018	$	1,912	212.91	120,805 75
Smart Saver® Non Residential Prescriptive	NRFS	EH	2015			11.01	4,423 51
Smart Saver® Non Residential Prescriptive	NRFS	EH	2016			0.37	267 72
Smart Saver® Non Residential Prescriptive	NRFS	EH	2017			7 88	4,309 72
Smart Saver® Non Residential Prescriptive	NRFS	EH	2018			20.70	11,340 69
Smart Saver® Non Residential Prescriptive	NRFS	TS	2017			40 48	22,957 85
Smart Saver® Non Residential Prescriptive	NRHVAC	DM	2015			113 05	39,850 03
Smart Saver® Non Residential Prescriptive	NRHVAC	DM	2016			118.05	61,511 23
Smart Saver® Non Residential Prescriptive	NRHVAC	DM	2017			199 40	80,183 26
Smart Saver® Non Residential Prescriptive	NRHVAC	DM	2018			37 62	22,557 38
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2015	$	349	87 41	35,800.11
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2016	$	605	162 81	62,090 86
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2017	$	2,475	456 36	254,136 01
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2018	$	573	100 53	58,871 02
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2015	$	7,938	1,310 24	501,549.16
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2016	$	7,300	1,223.36	461,222 43
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2017	$	14,958	2,125 83	945,072 56
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2018	$	11,403	1,232 62	720,473 37
Smart Saver® Non Residential Prescriptive	NRHVAC	EH	2015			42 27	15,701 77
Smart Saver® Non Residential Prescriptive	NRHVAC	EH	2016			19 86	7,250 62
Smart Saver® Non Residential Prescriptive	NRHVAC	EH	2017			118 51	52,151 87
Smart Saver® Non Residential Prescriptive	NRHVAC	EH	2018			16.25	9,681 67
Smart Saver® Non Residential Prescriptive	NRHVAC	TS	2015			14 45	5,359 25
Smart Saver® Non Residential Prescriptive	NRHVAC	TS	2016			37 63	14,015 41
Smart Saver® Non Residential Prescriptive	NRHVAC	TS	2017			475 51	176,312 66
Smart Saver® Non Residential Prescriptive	NRHVAC	TS	2018			33 14	19,631 77
Smart Saver® Non Residential Prescriptive	NRIT	DM	2015			0.22	84.00
Smart Saver® Non Residential Prescriptive	NRIT	DM	2016			0 08	56.73
Smart Saver® Non Residential Prescriptive	NRIT	DM	2018			0 40	294 49
Smart Saver® Non Residential Prescriptive	NRIT	DP	2015	$	12	3.15	1,200 00
Smart Saver® Non Residential Prescriptive	NRIT	DS	2015	$	8	0.95	388 00

Smart Saver® Non Residential Prescriptive	NRI7	DS	2016	$	10	0.86	624.04
Smart Saver® Non Residential Prescriptive	NRI7	DS	2017	$	4	0.39	283.66
Smart Saver® Non Residential Prescriptive	NRI7	DS	2018	$	6	0.55	398.99
Smart Saver® Non Residential Prescriptive	NRI7	EH	2018			0.05	38.00
Smart Saver® Non Residential Prescriptive	NRLTG	DM	2015			1,314.10	758,575.14
Smart Saver® Non Residential Prescriptive	NRLTG	DM	2016			9,472.42	4,253,914.84
Smart Saver® Non Residential Prescriptive	NRLTG	DM	2017			19,163.19	7,560,100.16
Smart Saver® Non Residential Prescriptive	NRLTG	DM	2018			4,490.97	4,112,844.71
Smart Saver® Non Residential Prescriptive	NRLTG	DP	2015	$	12,467	2,943.09	1,280,305.27
Smart Saver® Non Residential Prescriptive	NRLTG	DP	2016	$	51,816	18,933.57	5,821,572.92
Smart Saver® Non Residential Prescriptive	NRLTG	DP	2017	$	70,182	20,624.38	7,207,413.12
Smart Saver® Non Residential Prescriptive	NRLTG	DP	2018	$	49,104	16,121.78	5,042,851.26
Smart Saver® Non Residential Prescriptive	NRLTG	DS	2015	$	99,047	13,649.21	6,258,065.33
Smart Saver® Non Residential Prescriptive	NRLTG	DS	2016	$	563,862	88,376.75	35,626,346.70
Smart Saver® Non Residential Prescriptive	NRLTG	DS	2017	$	846,540	146,589.65	53,486,774.28
Smart Saver® Non Residential Prescriptive	NRLTG	DS	2018	$	254,300	44,823.13	16,067,393.12
Smart Saver® Non Residential Prescriptive	NRLTG	EH	2015			600.27	262,722.88
Smart Saver® Non Residential Prescriptive	NRLTG	EH	2016			3,034.51	1,126,968.34
Smart Saver® Non Residential Prescriptive	NRLTG	EH	2017			5,009.16	1,736,614.86
Smart Saver® Non Residential Prescriptive	NRLTG	EH	2018			261.53	164,407.08
Smart Saver® Non Residential Prescriptive	NRLTG	TS	2015			886.02	461,166.51
Smart Saver® Non Residential Prescriptive	NRLTG	TS	2016			6,234.48	2,551,188.48
Smart Saver® Non Residential Prescriptive	NRLTG	TS	2017			13,503.89	4,746,103.85
Smart Saver® Non Residential Prescriptive	NRLTG	TS	2018			6,553.73	2,128,342.65
Smart Saver® Non Residential Prescriptive	NRP&M	DM	2015			58.00	30,186.60
Smart Saver® Non Residential Prescriptive	NRP&M	DM	2016			55.40	28,833.45
Smart Saver® Non Residential Prescriptive	NRP&M	DM	2017			44.32	23,066.76
Smart Saver® Non Residential Prescriptive	NRP&M	DP	2015	$	1,339	282.78	137,557.28
Smart Saver® Non Residential Prescriptive	NRP&M	DP	2016	$	22	4.43	2,306.68
Smart Saver® Non Residential Prescriptive	NRP&M	DP	2017	$	6,214	1,289.03	638,193.89
Smart Saver® Non Residential Prescriptive	NRP&M	DP	2018	$	2,264	459.85	232,550.21
Smart Saver® Non Residential Prescriptive	NRP&M	DS	2015	$	5,276	667.67	333,365.40
Smart Saver® Non Residential Prescriptive	NRP&M	DS	2016	$	4,378	540.26	276,325.23
Smart Saver® Non Residential Prescriptive	NRP&M	DS	2017	$	13,104	1,857.85	827,941.39
Smart Saver® Non Residential Prescriptive	NRP&M	DS	2018	$	4,866	612.25	307,422.43
Smart Saver® Non Residential Prescriptive	NRP&M	EH	2015			44.19	22,999.31
Smart Saver® Non Residential Prescriptive	NRP&M	EH	2018			146.71	65,750.02
Smart Saver® Non Residential Prescriptive	NRP&M	TS	2015			14.66	7,678.13
Smart Saver® Non Residential Prescriptive	NRP&M	TS	2016			64.71	33,882.84
Smart Saver® Non Residential Prescriptive	NRP&M	TS	2017			779.72	397,842.56
Smart Saver® Non Residential Prescriptive	NRPROC	DP	2016	$	209	60.99	21,419.60
Smart Saver® Non Residential Prescriptive	NRPROC	DP	2017	$	1,665	399.02	171,002.37
Smart Saver® Non Residential Prescriptive	NRPROC	DS	2015	$	451	81.58	28,520.97
Smart Saver® Non Residential Prescriptive	NRPROC	DS	2016	$	1,295	203.38	81,809.06
Smart Saver® Non Residential Prescriptive	NRPROC	DS	2017	$	4,136	689.01	261,297.40
Smart Saver® Non Residential Prescriptive	NRPROC	DS	2018	$	731	133.17	48,166.19
Smart Saver® Non Residential Custom	NRPRSC	DM	2015			256.21	95,090.85
Smart Saver® Non Residential Custom	NRPRSC	DM	2016			101.06	54,295.16
Smart Saver® Non Residential Custom	NRPRSC	DM	2017			91.50	30,719.62
Smart Saver® Non Residential Custom	NRPRSC	DM	2018			804.34	555,309.60
Smart Saver® Non Residential Custom	NRPRSC	DP	2015	$	43,589	3,104.38	4,476,477.93
Smart Saver® Non Residential Custom	NRPRSC	DP	2016	$	58,630	8,886.21	6,021,084.70
Smart Saver® Non Residential Custom	NRPRSC	DP	2017	$	45,305	12,160.19	4,652,630.38
Smart Saver® Non Residential Custom	NRPRSC	DP	2018	$	39,894	5,884.19	4,096,939.49
Smart Saver® Non Residential Custom	NRPRSC	DS	2015	$	67,736	7,405.88	4,279,768.14
Smart Saver® Non Residential Custom	NRPRSC	DS	2016	$	144,847	21,748.35	9,151,844.85
Smart Saver® Non Residential Custom	NRPRSC	DS	2017	$	153,103	19,595.40	9,673,483.88
Smart Saver® Non Residential Custom	NRPRSC	DS	2018	$	85,084	8,215.76	5,375,865.00
Smart Saver® Non Residential Custom	NRPRSC	EH	2015			7.91	2,615.05
Smart Saver® Non Residential Custom	NRPRSC	EH	2017			121.72	42,719.80
Smart Saver® Non Residential Custom	NRPRSC	TS	2015			15,627.50	10,546,744.86
Smart Saver® Non Residential Custom	NRPRSC	TS	2016			5,880.34	4,295,715.28
Smart Saver® Non Residential Custom	NRPRSC	TS	2017			18,209.45	12,771,904.08
Smart Saver® Non Residential Custom	NRPRSC	TS	2018			3,799.87	2,452,026.33
Grand Total				$	3,345,900	$ 1,227,396	$ 551,384,109



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	2016		0	0
Appliance Recycling Program	RRCYCL	RS	2016		0	0
Energy Efficiency Education Program for Schools	K12PRF	RS	2016		0	0
Energy Efficiency Education Program for Schools	K12PRF	RS	2011	0	0	0
Energy Efficiency Education Program for Schools	K12PRF	RS	2017		5679.968295	2334821
Energy Efficiency Education Program for Schools	K12PRF	RS	2018		8112.53988	3426138.99
Energy Efficiency Education Program for Schools	K12PRF	RS01	2016		0	0
Energy Efficiency Education Program for Schools	K12PRF	RS01	2011	0	0	0
Energy Efficiency Education Program for Schools	K12PRF	RS01	2017		15.59074222	6487
Energy Efficiency Education Program for Schools	K12PRF	RS01	2018		14.79301651	6247.48
Home Energy Comparison Report	HECR	RS	2016		0	0
Home Energy Comparison Report	HECR	RS	2011	0	0	0
Home Energy Comparison Report	HECR	RS	2017		0	0
Home Energy Comparison Report	HECR	RS	2010	0	0	0
Home Energy Comparison Report	HECR	RS	2018		0	0
Home Energy Comparison Report	MFHECR	RS	2018		11943.95013	4944710
Low Income Neighborhood Program	HWLI	RS	2016		0	0
Low Income Neighborhood Program	HWLI	RS	2017		1730.739738	437710.34
Low Income Neighborhood Program	HWLI	RS	2018		986.5357551	416640
Low Income Neighborhood Program	HWLI	RS01	2016		0	0
Low Income Neighborhood Program	HWLI	RS01	2017		34.25436	8646.33
Low Income Neighborhood Program	HWLI	RS01	2018		30.82924235	13020
Low Income Neighborhood Program	HWLI	RS3P	2018		0.994491689	420
Mercantile Self-Direct	NRCSSD	DP	2016		0	0
Mercantile Self-Direct	NRCSSD	DP	2011		0	0
Mercantile Self-Direct	NRCSSD	DP	2017		2985	2994170.436
Mercantile Self-Direct	NRCSSD	DS	2016		0	0
Mercantile Self-Direct	NRCSSD	DS	2011		0	0
Mercantile Self-Direct	NRCSSD	DS	2018		637.1582223	1244024.623
Mercantile Self-Direct	NRCSSD	TS	2016		0	0
Mercantile Self-Direct	NRCSSD	TS	2017		6096.007317	1298316.974
Mercantile Self-Direct	NRCSSD	TS	2018		132.3194197	96657.33124
Mercantile Self-Direct	NRPRSD	DS	2017		465.6178182	193472.5036
Mercantile Self-Direct	NRPRSD	DS	2018		891.6001339	532820.5382
Mercantile Self-Direct	NRPRSD	TS	2017		897.6993094	348298.1499
Mercantile Self-Direct	NRPRSD	TS	2018		611.1081874	244627.6107
Residential Energy Assessments	HEHC	RS	2016		0	0
Residential Energy Assessments	HEHC	RS	2011	0	0	0
Residential Energy Assessments	HEHC	RS	2017		2935.075108	1191106.284
Residential Energy Assessments	HEHC	RS	2010	0	0	0
Residential Energy Assessments	HEHC	RS	2009	0	0	0
Residential Energy Assessments	HEHC	RS	2018		6948.391322	3006105.891
Residential Energy Assessments	HEHC	RS01	2016		0	0
Residential Energy Assessments	HEHC	RS01	2011	0	0	0
Residential Energy Assessments	HEHC	RS01	2017		2.09011747	793.97
Residential Energy Assessments	HEHC	RS01	2010	0	0	0
Residential Energy Assessments	HEHC	RS01	2009	0	0	0
Residential Energy Assessments	HEHC	RS3P	2016		0	0
Residential Energy Assessments	HEHC	RS3P	2017		2.47977902	1098.334724
Residential Energy Assessments	HEHC	RS3P	2010	0	0	0
Residential Energy Assessments	HEHC	RS3P	2009	0	0	0
Small Business Energy Saver	SSBDIR	DM	2016		0	0
Small Business Energy Saver	SSBDIR	DM	2017		9111.87712	3343828.779
Small Business Energy Saver	SSBDIR	DM	2018		6615.276691	2845772.671
Small Business Energy Saver	SSBDIR	DS	2016	0	0	0
Small Business Energy Saver	SSBDIR	DS	2017	142391.2036	25130.31528	8996673.583
Small Business Energy Saver	SSBDIR	DS	2018	199736.3448	27680.43933	12619899.63
Small Business Energy Saver	SSBDIR	EH	2016		0	0
Small Business Energy Saver	SSBDIR	EH	2017		45.15298667	16743.02204
Small Business Energy Saver	SSBDIR	EH	2018		93.42605131	72338.39513
Small Business Energy Saver	SSBDIR	RS01	2018		62.57173799	33215.75215
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2016		0	0
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2017		346.3103665	251856.3911
Low Income Weatherization - Pay for Performance	WTZKWH	RS	2018		1325.596616	963235.0092
Low Income Weatherization - Pay for Performance	WTZKWH	RS01	2016		0	0
Invalid	HEHCRD	RS	2011	0	0	0
Invalid	HEHCRD	RS	2010	0	0	0
Invalid	HES	RS	2016			0
Invalid	K12CFL	RS	2011	0	0	0
Invalid	K12CFL	RS	2010	0	0	0
Invalid	K12CFL	RS	2009	0	0	0
Invalid	K12CFL	RS01	2010	0	0	0
Invalid	K12CFL	RS01	2009	0	0	0
Invalid	LICFL	RS	2011	0	0	0
Invalid	LICFL	RS	2010	0	0	0
Invalid	LICFL	RS01	2011	0	0	0
Invalid	LICFL	RS01	2010	0	0	0
Invalid	OHEC	RS	2011	0	0	0
Invalid	OHEC	RS	2010	0	0	0
Invalid	OHEC	RS	2009	0	0	0
Invalid	OHEC	RS01	2010	0	0	0
Invalid	OHEC	RS01	2009	0	0	0
Invalid	PER	RS	2011	0	0	0
Invalid	PER	RS	2010	0	0	0
Invalid	PER	RS	2009	0	0	0
Invalid	PER	RS01	2010	0	0	0
Invalid	PER	RS01	2009	0	0	0

Invalid	PER	RS3P	2010	0	0	0
Invalid	PER	RS3P	2009	0	0	0
Invalid	REFRPL	RS	2011	0	0	0
Invalid	REFRPL	RS	2010	0	0	0
Invalid	REFRPL	RS	2009	0	0	0
Invalid	REFRPL	RS01	2011	0	0	0
Smart $aver® Residential	HPWH	RS	2016		0	0
Smart $aver® Residential	HPWH	RS	2017		34.73784429	25358.62634
Smart $aver® Residential	HPWH	RS	2018		61.0512618	44567.42112
Smart $aver® Residential	MFEEAR	RS	2016		0	0
Smart $aver® Residential	MFEEAR	RS	2017		613.0053227	18645.57857
Smart $aver® Residential	MFEEAR	RS	2018		1880.564977	57200.51806
Smart $aver® Residential	MFEEPW	RS	2016		0	0
Smart $aver® Residential	MFEEPW	RS	2017		73.65452083	28340.86211
Smart $aver® Residential	MFEEPW	RS	2018		121.6381824	51371.00412
Smart $aver® Residential	MFEESH	RS	2016		0	0
Smart $aver® Residential	MFEESH	RS	2017		3151.216706	95849.50814
Smart $aver® Residential	MFEESH	RS	2018		4776.581112	145287.6755
Smart $aver® Residential	PEEPVS	RS	2016		0	0
Smart $aver® Residential	PEEPVS	RS	2017		432.1812541	316789.8674
Smart $aver® Residential	PEEPVS	RS	2018		487.2802429	358027.9922
Smart $aver® Residential	PEEPVS	RS3P	2017		1.836456766	1344.869049
Smart $aver® Residential	PEEPVS	RS3P	2018		2.214910195	1627.399964
Smart $aver® Residential	RCFL	RS	2016		0	0
Smart $aver® Residential	RCFL	RS	2011	0	0	0
Smart $aver® Residential	RCFL	RS	2017		-0.503512786	-309.8444947
Smart $aver® Residential	RCFL	RS	2010	0	0	0
Smart $aver® Residential	RCFL	RS	2009	0	0	0
Smart $aver® Residential	RCFL	RS01	2016		0	0
Smart $aver® Residential	RCFL	RS01	2011	0	0	0
Smart $aver® Residential	RCFL	RS01	2010	0	0	0
Smart $aver® Residential	RCFL	RS01	2009	0	0	0
Smart $aver® Residential	RCFL	RS3P	2011	0	0	0
Smart $aver® Residential	RCFL	RS3P	2010	0	0	0
Smart $aver® Residential	RCFLPM	RS	2016		0	0
Smart $aver® Residential	RCFLPM	RS	2011	0	0	0
Smart $aver® Residential	RCFLPM	RS	2017		90.33762371	55451.00475
Smart $aver® Residential	RCFLPM	RS	2010	0	0	0
Smart $aver® Residential	RCFLPM	RS01	2016		0	0
Smart $aver® Residential	RCFLPM	RS01	2011	0	0	0
Smart $aver® Residential	RCFLSP	RS	2016		0	0
Smart $aver® Residential	RCFLSP	RS	2017		6245.282251	3553599.801
Smart $aver® Residential	RCFLSP	RS	2018		5176.986404	2485123.901
Smart $aver® Residential	RCFLSP	RS01	2016		0	0
Smart $aver® Residential	RCFLSP	RS01	2017		47.38096536	26868.80391
Smart $aver® Residential	RCFLSP	RS01	2018		34.87354568	16356.93509
Smart $aver® Residential	RCFLSP	RS3P	2016		0	0
Smart $aver® Residential	RCFLSP	RS3P	2017		1.384319074	755.0131478
Smart $aver® Residential	RCFLSP	RS3P	2018		5.936114708	2741.513234
Smart $aver® Residential	RLED	RS	2016		0	0
Smart $aver® Residential	RLED	RS	2017		7959.614713	4889814.887
Smart $aver® Residential	RLED	RS	2018		127775.6716	68173278.93
Smart $aver® Residential	RLED	RS01	2016		0	0
Smart $aver® Residential	RLED	RS01	2017		13.23082411	8022.260343
Smart $aver® Residential	RLED	RS01	2018		991.6638984	528919.2704
Smart $aver® Residential	RLED	RS3P	2016		0	0
Smart $aver® Residential	RLED	RS3P	2017		0.240570125	148.1348198
Smart $aver® Residential	RLED	RS3P	2018		9.5395958	5166.804281
Smart $aver® Residential	SFEEAR	RS	2016		0	0
Smart $aver® Residential	SFEEAR	RS	2017		1482.913279	1095325.2
Smart $aver® Residential	SFEEAR	RS	2018		3298.41354	2425840.5
Smart $aver® Residential	SFEEAR	RS01	2016		0	0
Smart $aver® Residential	SFEEAR	RS01	2017		1.234265696	908.9
Smart $aver® Residential	SFEEAR	RS01	2018		2.678417089	1970.3
Smart $aver® Residential	SFEEAR	RS3P	2017		0.50112	370.4
Smart $aver® Residential	SFEEPW	RS	2016		0	0
Smart $aver® Residential	SFEEPW	RS	2017		751.49601	543534.85
Smart $aver® Residential	SFEEPW	RS	2018		1187.070786	858573.21
Smart $aver® Residential	SFEEPW	RS01	2016		0	0
Smart $aver® Residential	SFEEPW	RS01	2017		0.4452	322
Smart $aver® Residential	SFEEPW	RS01	2018		0.933966	675.51
Smart $aver® Residential	SFEEPW	RS3P	2017		0.2226	161
Smart $aver® Residential	SFEESH	RS	2016		0	0
Smart $aver® Residential	SFEESH	RS	2017		947.0686105	692088.6
Smart $aver® Residential	SFEESH	RS	2018		2499.725937	1826722.8
Smart $aver® Residential	SFEESH	RS01	2016		0	0
Smart $aver® Residential	SFEESH	RS01	2017		0.747157895	546
Smart $aver® Residential	SFEESH	RS01	2018		2.097789474	1533
Smart $aver® Residential	SFEESH	RS3P	2017		0.3276	239.4
Smart $aver® Residential	SSAC	RS	2016		0	0
Smart $aver® Residential	SSAC	RS	2011	0	0	0
Smart $aver® Residential	SSAC	RS	2017		2528.715061	964787.1182
Smart $aver® Residential	SSAC	RS	2010	0	0	0
Smart $aver® Residential	SSAC	RS	2009	0	0	0
Smart $aver® Residential	SSAC	RS	2018		66.72575098	27040.73683
Smart $aver® Residential	SSAC	RS01	2016		0	0
Smart $aver® Residential	SSAC	RS01	2011	0	0	0
Smart $aver® Residential	SSAC	RS01	2010	0	0	0
Smart $aver® Residential	SSAC	RS01	2009	0	0	0
Smart $aver® Residential	SSAC	RS3P	2016		0	0
Smart $aver® Residential	SSAC	RS3P	2017		2.632873668	976.5784753
Smart $aver® Residential	SSAIAS	RS	2016		0	0
Smart $aver® Residential	SSAIAS	RS	2017		171.7952677	66582.79054
Smart $aver® Residential	SSDINS	RS	2017		1.927642305	683.28

Smart $aver® Residential	SSDSEA	RS	2016		0	0
Smart $aver® Residential	SSDSEA	RS	2017		1.80441403	639.6
Smart $aver® Residential	SSHP	RS	2016		0	0
Smart $aver® Residential	SSHP	RS	2011	0	0	0
Smart $aver® Residential	SSHP	RS	2017		1100.002515	422878.7881
Smart $aver® Residential	SSHP	RS	2010	0	0	0
Smart $aver® Residential	SSHP	RS	2009	0	0	0
Smart $aver® Residential	SSHP	RS	2018		35.07190472	14722.47377
Smart $aver® Residential	SSHP	RS01	2011	0	0	0
Smart $aver® Residential	SSHP	RS01	2010	0	0	0
Smart $aver® Residential	SSHP	RS01	2009	0	0	0
Smart $aver® Residential	SSAISN	RS	2017		36.28962091	15268.68
Smart $aver® Residential	SSAISN	RS	2018		381.0410196	160321.14
Smart $aver® Residential	MPSMTS	RS	2018		2951.076609	1294244.234
Smart $aver® Residential	MPSMTS	RS01	2018		1.799436957	789.1733133
Smart $aver® Residential	RLEDPM	RS	2018		625.0669722	337608.7175
Smart $aver® Residential	RTLLED	RS	2018		10673.60217	5283075.536
Smart $aver® Residential	SSAC2N	RS	2018		2544.678207	1048195.597
Smart $aver® Residential	SSAC2N	RS01	2018		1.732252013	713.5436329
Smart $aver® Residential	SSAC2N	RS3P	2018		5.196756039	2140.630899
Smart $aver® Residential	SSAC2R	RS	2018		22.51927617	9276.067228
Smart $aver® Residential	SSAC3N	RS	2018		914.676347	377671.0684
Smart $aver® Residential	SSAC3R	RS	2018		19.60020744	8092.951466
Smart $aver® Residential	SSAISR	RS	2018		183.5111447	77211.414
Smart $aver® Residential	SSDINN	RS	2018		4.079721646	1583.808
Smart $aver® Residential	SSDSEN	RS	2018		25.55338431	9920.199958
Smart $aver® Residential	SSDSER	RS	2018		19.5408233	7586.035262
Smart $aver® Residential	SSHP2N	RS	2018		2036.767433	902564.3987
Smart $aver® Residential	SSHP2R	RS	2018		9.959742949	4413.517842
Smart $aver® Residential	SSHP3N	RS	2018		1600.988404	707356.8781
Smart $aver® Residential	SSHP3N	RS3P	2018		13.34157003	5894.640651
Smart $aver® Residential	SSHP3R	RS	2018		20.01235505	8841.960977
Smart $aver® Residential	SSSTN	RS	2018		1878.612183	823896.9391
Smart $aver® Residential	SSSTN	RS01	2018		1.012183288	443.9099887
Smart $aver® Residential	SSSTN	RS3P	2018		5.060916441	2219.549944
Smart $aver® Residential	SSSTR	RS	2018		25.72632524	11282.71221
Smart $aver® Non Residential Prescriptive	NRFS	DM	2016		0	0
Smart $aver® Non Residential Prescriptive	NRFS	DM	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	DM	2017		8.655111061	4646.614386
Smart $aver® Non Residential Prescriptive	NRFS	DM	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	DM	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	DM	2018		89.65957883	65476.56187
Smart $aver® Non Residential Prescriptive	NRFS	DP	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	DP	2017	199.9335465	28.12676712	20532.54
Smart $aver® Non Residential Prescriptive	NRFS	DP	2018	72.2234125	20.30737534	7417.114998
Smart $aver® Non Residential Prescriptive	NRFS	DS	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	DS	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	DS	2017	33046.45831	3494.503669	2087967.452
Smart $aver® Non Residential Prescriptive	NRFS	DS	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	DS	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	DS	2018	7266.0971	844.9698972	459092.2908
Smart $aver® Non Residential Prescriptive	NRFS	EH	2016		0	0
Smart $aver® Non Residential Prescriptive	NRFS	EH	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	EH	2017		7.876355561	4309.716331
Smart $aver® Non Residential Prescriptive	NRFS	EH	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRFS	EH	2018		37.55857534	20576.97766
Smart $aver® Non Residential Prescriptive	NRFS	TS	2017		40.4784439	22957.85407
Smart $aver® Non Residential Prescriptive	NRHVAC	DM	2016		0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DM	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DM	2017		94.66738385	41067.75893
Smart $aver® Non Residential Prescriptive	NRHVAC	DM	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DM	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DM	2018		73.6470665	44140.021
Smart $aver® Non Residential Prescriptive	NRHVAC	DP	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DP	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DP	2017	2444.711405	448.2659842	251064.094
Smart $aver® Non Residential Prescriptive	NRHVAC	DP	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DP	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DP	2018	919.5556442	164.70322	93511.17167
Smart $aver® Non Residential Prescriptive	NRHVAC	DS	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DS	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DS	2017	10944.08148	1455.760967	691477.6076
Smart $aver® Non Residential Prescriptive	NRHVAC	DS	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DS	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	DS	2018	19420.56218	2256.520939	1227045.312
Smart $aver® Non Residential Prescriptive	NRHVAC	EH	2016		0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	EH	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	EH	2017		69.25502212	33888.30197
Smart $aver® Non Residential Prescriptive	NRHVAC	EH	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	EH	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	EH	2018		16.25281926	9681.665259
Smart $aver® Non Residential Prescriptive	NRHVAC	TS	2016		0	0
Smart $aver® Non Residential Prescriptive	NRHVAC	TS	2017		475.5111272	176332.6578
Smart $aver® Non Residential Prescriptive	NRHVAC	TS	2018		42.47983494	25162.62479
Smart $aver® Non Residential Prescriptive	NRIT	DM	2016		0	0
Smart $aver® Non Residential Prescriptive	NRIT	DM	2018		2.652977413	1937.959803
Smart $aver® Non Residential Prescriptive	NRIT	DS	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRIT	DS	2017	0	0	0
Smart $aver® Non Residential Prescriptive	NRIT	DS	2018	32.47652443	2.809034908	2051.957439
Smart $aver® Non Residential Prescriptive	NRIT	EH	2018		0.31211499	227.995271
Smart $aver® Non Residential Prescriptive	NRLTG	DM	2016		0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DM	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DM	2017		14297.99319	5637386.904
Smart $aver® Non Residential Prescriptive	NRLTG	DM	2010	0	0	0

Smart $aver® Non Residential Prescriptive	NRLTG	DM	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DM	2018		6754.628405	4882062.046
Smart $aver® Non Residential Prescriptive	NRLTG	DP	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DP	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DP	2017	54634.77999	16475.73966	5610818.321
Smart $aver® Non Residential Prescriptive	NRLTG	DP	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DP	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DP	2018	71221.75383	21626.04932	7314247.835
Smart $aver® Non Residential Prescriptive	NRLTG	DS	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DS	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DS	2017	641346.8088	111509.6559	40522081.05
Smart $aver® Non Residential Prescriptive	NRLTG	DS	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DS	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	DS	2018	389301.9133	69482.86455	24597181.23
Smart $aver® Non Residential Prescriptive	NRLTG	EH	2016		0	0
Smart $aver® Non Residential Prescriptive	NRLTG	EH	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	EH	2017		3578.010174	1259559.059
Smart $aver® Non Residential Prescriptive	NRLTG	EH	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	EH	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	EH	2018		369.5467254	207102.4512
Smart $aver® Non Residential Prescriptive	NRLTG	RS01	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	RS01	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	TS	2016		0	0
Smart $aver® Non Residential Prescriptive	NRLTG	TS	2011		0	0
Smart $aver® Non Residential Prescriptive	NRLTG	TS	2017		12483.54224	4330225.978
Smart $aver® Non Residential Prescriptive	NRLTG	TS	2010		0	0
Smart $aver® Non Residential Prescriptive	NRLTG	TS	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRLTG	TS	2018		10041.43633	3185681.41
Smart $aver® Non Residential Prescriptive	NRP&M	DM	2016		0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DM	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DM	2017		44.3232	23066.76
Smart $aver® Non Residential Prescriptive	NRP&M	DM	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DP	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DP	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DP	2017	6186.272618	1283.48496	635310.543
Smart $aver® Non Residential Prescriptive	NRP&M	DP	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DP	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DP	2018	3826.214786	778.77504	392940.102
Smart $aver® Non Residential Prescriptive	NRP&M	DS	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DS	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DS	2017	9005.822534	1149.058463	569012.9984
Smart $aver® Non Residential Prescriptive	NRP&M	DS	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DS	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	DS	2018	7572.363464	969.3592147	478443.0543
Smart $aver® Non Residential Prescriptive	NRP&M	EH	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	EH	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRP&M	EH	2018		146.7082869	65750.02118
Smart $aver® Non Residential Prescriptive	NRP&M	TS	2016		0	0
Smart $aver® Non Residential Prescriptive	NRP&M	TS	2011		0	0
Smart $aver® Non Residential Prescriptive	NRP&M	TS	2017		779.71896	397842.558
Smart $aver® Non Residential Prescriptive	NRP&M	TS	2009	0	0	0
Smart $aver® Non Residential Prescriptive	NRPROC	DP	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRPROC	DP	2017	1042.644246	249.8530245	107076.2514
Smart $aver® Non Residential Prescriptive	NRPROC	DS	2016	0	0	0
Smart $aver® Non Residential Prescriptive	NRPROC	DS	2011	0	0	0
Smart $aver® Non Residential Prescriptive	NRPROC	DS	2017	1509.445429	259.2494883	95370.97428
Smart $aver® Non Residential Prescriptive	NRPROC	DS	2010	0	0	0
Smart $aver® Non Residential Prescriptive	NRPROC	DS	2018	1717.466867	313.0286538	108514.3492
Smart $aver® Non Residential Custom	NRPRSC	DM	2016		0	0
Smart $aver® Non Residential Custom	NRPRSC	DM	2011	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DM	2017		0	0
Smart $aver® Non Residential Custom	NRPRSC	DM	2010	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DM	2009	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DM	2018		877.4611016	605792.2924
Smart $aver® Non Residential Custom	NRPRSC	DP	2016	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DP	2011	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DP	2017	45304.52117	12160.18949	4652630.385
Smart $aver® Non Residential Custom	NRPRSC	DP	2010	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DP	2009	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DP	2018	95773.42159	12724.27133	9835626.109
Smart $aver® Non Residential Custom	NRPRSC	DS	2016	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DS	2011	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DS	2017	112019.4207	14902.28838	7077699.59
Smart $aver® Non Residential Custom	NRPRSC	DS	2010	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DS	2009	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	DS	2018	145595.0696	14059.07945	9199102.78
Smart $aver® Non Residential Custom	NRPRSC	EH	2011	0	0	0
Smart $aver® Non Residential Custom	NRPRSC	EH	2017		101.2068361	33531.28999
Smart $aver® Non Residential Custom	NRPRSC	TS	2016		0	0
Smart $aver® Non Residential Custom	NRPRSC	TS	2017		14561.30737	10287950.53
Smart $aver® Non Residential Custom	NRPRSC	TS	2018		5646.197472	3352804.958
Power Manager® for Business - EE	SBEEDR	DM	2018		869.8222777	439488
Power Manager® for Business - EE	SBEEDR	DS	2018	2429.015857	303.7474621	153472
Power Manager® for Business - EE	SBEEDR	EH	2018		3.451675705	1744
Grand Total				2004951.583	678116.3299	304178064.2

Rider Revenue Rate 2018

Sum of RIDER EE	Column Labels												
Row Labels	1/1/2018	2/1/2018	3/1/2018	4/1/2018	5/1/2018	6/1/2018	7/1/2018	8/1/2018	9/1/2018	10/1/2018	11/1/2018	12/1/2018	Grand Total
DM	$79,931	$69,266	$61,863	$63,205	$58,092	$72,624	$79,760	$74,344	$77,219	$64,763	$58,020	$69,344	$828,430
DP	$253,380	$263,541	$243,516	$257,326	$264,475	$299,106	$308,254	$294,779	$310,869	$279,416	$256,580	$261,913	$3,293,156
DS	$955,266	$851,131	$814,298	$840,247	$845,804	$1,006,167	$1,053,602	$999,712	$1,042,769	$917,212	$820,007	$889,098	$11,035,311
EH	$18,421	$14,574	$11,772	$11,291	$8,923	$17	$15	$0	$6	$8,757	$9,404	$13,565	$96,745
GF	$3,491	$3,491	$3,491	$3,491	$3,488	$3,490	$3,490	$3,490	$3,490	$3,490	$3,490	$3,490	$41,884
OR	$4,015	$2,552	$1,975	$1,950	$1,267	$1,414	$1,576	$1,426	$1,446	$1,254	$1,778	$2,713	$23,367
RS	$3,051,651	$2,334,006	$1,947,118	$1,927,551	$1,646,661	$2,311,360	$2,684,704	$2,417,392	$2,481,680	$1,941,525	$1,747,305	$2,346,533	$26,837,487
SF	$7	$7	$7	$7	$7	$7	$7	$7	$7	$7	$7	$7	$89
TD	$118	$116	$83	$90	$68	$75	$102	$93	$96	$75	$66	$97	$1,079
TS	$282,481	$224,919	$258,541	$274,461	$262,751	$226,879	$289,831	$259,737	$233,157	$264,479	$269,200	$240,234	$3,086,669
CUR	$14,763	$12,797	$11,414	$11,485	$9,506	$9,505	$9,789	$9,295	$9,714	$9,167	$9,835	$12,484	$129,754
Grand Total	$4,663,523	$3,776,401	$3,354,079	$3,391,105	$3,101,042	$3,930,645	$4,431,131	$4,060,276	$4,160,453	$3,490,145	$3,175,692	$3,839,479	$45,373,970

DUKE ENERGY OHIO

KWH BY MONTH AND RATE FOR RATES DS, DP, AND TS

JANUARY 2018 - DECEMBER 2018

Sum of USAGE	Column Labels			
Row Labels	DP	DS	TS	Grand Total
1/1/2018	163,103,257	572,437,776	299,406,798	1,034,947,831
2/1/2018	168,520,226	510,002,854	244,310,512	922,833,592
3/1/2018	156,142,273	487,757,243	167,512,093	811,411,609
4/1/2018	165,818,765	503,624,341	270,611,837	940,054,943
5/1/2018	173,638,899	506,463,397	285,463,913	965,566,209
6/1/2018	195,319,246	602,461,607	265,263,088	1,063,043,941
7/1/2018	202,449,042	630,974,527	416,728,537	1,250,152,106
8/1/2018	193,274,751	598,760,548	288,358,862	1,080,394,161
9/1/2018	203,274,168	624,905,574	259,776,315	1,087,956,057
10/1/2018	179,911,575	549,445,128	287,099,166	1,016,455,869
11/1/2018	164,950,516	491,279,749	286,092,375	942,322,640
12/1/2018	168,053,775	532,733,984	289,174,628	989,962,387
Grand Total	2,134,456,493	6,610,846,728	3,359,798,124	12,105,101,345

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

Year	July 2019 - June 2020
Projected Annual Electric Sales KWH	
Residential Rates RS, ORH, TD, RS3P, RSLI, TD-13	7,233,926,657
Non-Residential Rates DS, DP, DM, GS-FL, EH, SP, SFL-ADPL, TS, RTP, & CUR	12,585,374,562
Non-Residential Rates DS, DP, & TS	11,821,609,799

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	2019 Expected Program Costs & Shared Savings	2019 Expected Lost Revenues (DS, DP, TS)	Total Revenue Requirements	Total Revenue Requirements Plus CAT (b)	Estimated Billing Determinants	Effective July 2019 Energy Efficiency and Peak Demand Response Recovery Rider (EE PDRR)
	Case No. 13-753, 14-457, 15-534 (c)			Case No. 17-781 EL-RDR (as filed)								
	A	B	C	D	E	F	G	H	A+B+C+D+E+F+G+H+ AA+BB+CC+DD+EE+FF+ GG+HH+II+JJ			
Electric Rider DSM	(d)	(a)		(d)	(a)		(d)	(a)				
Residential Rates RS, ORH, TD, RSLP, RSLI, TD 33	$ 57,060,033	$ -	$ (48,028,998)	$ 12,909,286	$ -	$ (25,072,795)	$ 17,325,820	$ -	$ (33,343,677)	$ (33,578,462)	7,211,926,653 kWh	$ (0.001849) $/kWh
Distribution Level Rates - Program Cost Recovery (Part A)												
Applies to Rates DS, DP, DM, GS-FL, EM, SFL-ADPL, TS, RTP, & CUR	$ 52,456,573	$ -	$ (46,700,059)	$ 32,574,208	$ -	$ (15,733,707)	$ 21,926,250	$ -	$ 75,670,953	$ 75,667,690	12,585,374,562 kWh	$ 0.006012 $/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)	$ -	$ 2,563,022	$ (1,325,405)	$ (1,178,339)	11,823,609,799 kWh	$ (0.000095) $/kWh
Total Recovery	$ 109,516,606	$ 5,653,696	$ (101,507,263)	$ 44,529,494	$ 2,137,750	$ (44,042,408)	$ 39,652,070	$ 2,563,022	$ 41,001,870	$ 41,160,890		

	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	2018 Actual Program Costs & Shared Savings	2018 Actual Lost Revenues (DS, DP, TS)	2018 Actual Riders EE PDRR Revenues	Adjustments From Orders in Case No. 14-457, 15-534	Adjustments From Orders in 16-664, 17-781, 18-395
	Case No. 16-664 EL-RDR (as filed)			Case No. 18-397 EL-RDR (as filed)			Case No. 19-622 EL-RDR (as filed, pending)				
	AA	BB	CC	DD	EE	FF	GG	HH	II	(Amounts Included in Column A)	JJ
Electric Rider DSM	(d)	(a)		(d)	(a)						
Residential Rates RS, ORH, TD, RSLP, RSLI, TD 33	$ 16,413,356	$ -	$ (24,879,730)	$ 9,085,353	$ -	$ (23,937,876)	$ 23,656,863	$ -	$ (26,861,932)	$ (1,861,446)	$ (1,058,110)
Distribution Level Rates - Program Cost Recovery (Part A)											
Applies to Rates DS, DP, DM, GS-FL, EM, SFL-ADPL, TS, RTP, & CUR	$ 15,118,552	$ -	$ (15,546,893)	$ 42,365,306	$ -	$ (15,032,199)	$ 21,548,762	$ -	$ (35,304,186)	$ (3,137,530)	$ (593,510)
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)	$ -	$ 3,345,900	$ (3,207,852)		
Total Recovery	$ 31,531,908	$ 1,940,545	$ (43,642,302)	$ 51,450,660	$ 2,801,537	$ (42,103,370)	$ 45,205,625	$ 3,345,900	$ (45,373,970)		

Total Charge for Residential Rates RS, ORH, TD, RSLP, RSLI, TD 2013	$	(0.001849) $/kWh
Total Charge for Rates DM, GS-FL, EM, SFL-ADPL, & CUR (Part A Only)	$	0.006012 $/kWh
Total Charge for Rates DS, DP, TS, & RTP (Part A plus Part B)	$	0.005937 $/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