BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

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) Case No. 19-622-EL-RDR
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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*), 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 Application 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

¹In 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."

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,

 $^{^{2}}Id.$

 $^{^{3}}Id.$

⁴In 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.

⁵In re Application of Ohio Edison Co., Slip Opinion No. 2019-Ohio-4196.

⁶In 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

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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 issuess 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,

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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

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Affordable Energy

P.U.C.O. Electric No. 19 Sheet No. 119.43 Cancels and Supersedes Sheet No. 119.2 Page 1 of 1

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 revenue month is (\$0.002157001849)\$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_005799006012 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 \$0.001670005703005917 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.

Filed pursuant to an Order dated April 2, 2014_____ in Case No. 1319-753622-EL-RDR before the Public Utilities Commission of Ohio.

Issued: April 10, 2014 Effective: May 1, 2014

P.U.C.O. Electric No. 19 Sheet No. 119.3 Cancels and Supersedes Sheet No. 119.2 Page 1 of 1

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

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

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

^{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.

Achievement Tiers

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

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

	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

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Smort Saver® Residential Smort Saver® Residential	RCFLSP	RSQ1	2015			25.65 11.06	14,994.36 17,789.05
Smart Saver® Residential			2017			51.78	29,456.49
Smart Saver® Residential Smart Saver® Residential	RCFLSP	RS3P	2015			15.13 1.29	7,450.95 751.42
Smart Sover® Residential			2016 2017			Q III 7	508.18
Smart Sowe® Residential			2017 2018			5.21 1.62	890.53 2.054.08
						***	£,034.08

Smart Saver® Residential	RLED	RS	2016			11,661 16	7,180,539 12
Smort Sover* Residential Smort Sover* Residential	RLED RLED	RS RS	2017 2018			0,944.75 63,310.70	5,496,426.97 34,188,512.06
Smart Saver® Residential Smart Saver® Residential	RLED RLED	RS01 RS01	2016 2017			95.99 16.12	\$9,105.79 9,799 68
Smart Saver® Residential	RLED	R\$01	3018			476.68	257,288.26
Smort Saver® Residential Smort Saver® Residential	RLED	RS3P RS3P	2016 2017			3 13 0 48	1,925.75 296.27
Smort Sover* Residential Smort Sover* Residential	RLED SFEEAR	RS3P RS	3018 3015			6.29 1,063.43	3,406.54 785,962.47
Smart Sever* Residential	SFEEAR	RS	3016			824 81	609,540 80
Smort Savor® Residential Smort Savor® Residential	SFEEAR SFEEAR	RS RS	3018 3011			2,885 11 2,617.20	1,392,468 40 1,925,020.83
Smart Saver® Residential Smart Saver® Residential	SFEEAR SFEEAR	RS01 RS01	2015 2016			0.SB 2.50	432 LL 1,698.40
Smart Savor® Residential	SELEAN	esos.	2017			1.74	1,279 30
Smort Saver® Residential Smort Saver® Residential	SFEEAR SFEEAR	RSO1 RS3P	301m 3017			2 37 0.50	1,597.04 370.40
Smart Savor® Residential Smart Savor® Residential	SFEEPW SFEEPW	R5	2015 2016			490 07 397.56	354,454.92 287,546.00
Smart Saver® Residential	SFEEPW	RS	2017			967 64	699,865.85
Smart Saver® Residential Smart Saver® Residential	SEEEPW SEEEPW	A5 A501	2018 2015			933 34 0.76	675,059 66 187 83
Smort Savor® Residential Smort Savor® Residential	SEEPW	RSCI.	2016			111	805 00 483.00
Smart Sever® Residential	SEEPW	ASIDS	2018			0.75	544 16
Smart Saver* Residential Smart Saver* Residential	SFEEPW SFEESH	ASJP RS	2017 2015			0.22 721 73	161.00 528,66453
Smart Saver* Residential Smart Saver* Residential	SEESH	RS RS	2016			538 57 1,198 50	393,573 60 875,828 10
Smart Sever® Residential	SEESH	RS.	2018			1,998.74	1,460,616.85
Smart Saver* Residential Smart Saver* Residential	SFEESH	RSOL RSOL	2015 2016			0.38 1.47	279.30 1,077.30
Smart Saver® Residential Smart Saver® Residential	SFEESH SFEESH	RSD1 RSD1	2017			1.07 1.71	785.40 1,251.95
Smart Sover® Residential	SECCIO	N.S.3P	2017			0.13	239 40
Smart Sover® Residential Smart Sover® Residential	SSAC SSAC	RS RS	2015 2016			1,754 57 3,287.84	375,711.76 1,219,258.23
Smart Saver* Residential Smart Saver* Residential	SSAC SSAC	RS RS	2017 2018			3,309.36 66.73	1,254,342.64 27,040.74
Smart Saver® Residential Smart Saver® Residential	SSAC	R501	2015			1.27	221.29 488.29
Smart Sever® Residential	SSAC SSAC	R50) R53P	3016 3016			1.32	488.29
Smort Sover* Residential Smort Sover* Residential	SSAC SSACTU	RS3P RS	2017 2015			2 63 0.25	976.58 87.75
Smart Saver® Residential	SSAIAS SSAIAS	RS	3015			79 37 284 26	30,434.72 108,995 60
Smart Saver® Residential Smart Saver® Residential	SSAIAS	RS RS	3016 3017			294 83	113,759 99
Smort Savor® Residential Smort Savor® Residential	SSDINS SSDINS	RS RS	3015 3017			1 93 1 93	683.28 683.28
Smart Saver® Residential Smart Saver® Residential	SSDSEA SSDSEA	RS RS	3016 3016			5.79 2.71	2,052.05 959.40
Smart Saver® Residential	SSDSEA	RS	2017			2.71	959 40
Smart Saver® Residential Smart Saver® Residential	3.24b	RS RS	2015 2016			1,304 66 1,855 63	698,243.00 692,832.61
Smart Saver® Residential Smart Saver® Residential	22Hb	es es	2017 2018			1,564 37 15 07	596,260.32 14,722.47
Smart Sever® Residential	35MP	RS3P	2015			121	685 47
Smort Saver® Residential Smort Saver® Residential	SSHPTU SSAISN	AS AS	2015 2017			7 41 36 29	2,754.14 15,768.68
Smort Siner® Residential Smort Siner® Residential	SSAISH MPSMIS	AS AS	2018 2018			224 46 458 26	94,439.61 200,976.14
Smart Saver® Residential	MPSMTS	RSO1	2018			0.30	111.53
Smart Saver* Besidential Smart Saver* Besidential	REEDEM	RS RS	2018 2018			238 45 2,094 19	128,717.24 1,037,801.16
Smart Sayer* Besidential Smart Sayer* Residential	ISAC2N ISAC2N	RS RSQL	2018 2018			1,025 49 0.29	422,417.03 110.92
Smart Saver® Residential	SAC2N	RS3P	2018 2018			2.89 7.51	1,109 24
Smart Saver® Residential Smart Saver® Residential	SSAC2R SSAC3N	RS RS	2018			176.50	155,489 58
Smart Saver® Hesiderctial Smart Saver® Hesiderctial	SSAC3R SSAISR	RS RS	2018 2018			6.90 \$2.06	2,847 52 21,913 87
Smart Saver ^a Residential Smart Saver ^a Residential	SSDINN SSDSEN	RS RS	3018 2018			1 70 15 41	659 92 (3,981 30
Smart Saver® Residential	SSDSER	RS.	3018			5 64	2,180.20
Smort Saver® Residential Smort Saver® Residential	\$\$H#P214 \$\$H#P214	RS RS	3018			897 62 4 56	397,768 30 2,022 86
Smart Saver® Residential Smart Saver® Residential	22HP3N	RS RS3P	2018 2018			493 76 4 45	306,521 71 1,964 88
Smart Saver® Residential	55HP3#	RS	2011			8.89	3,929 76
Smort Saver® Residential Smort Saver® Residential	5557N 87222	RS R501	2018 2018			758 38 0 17	332,599 56 73 98
Smart Saver* Residential Smart Saver* Residential	SSSTM SSSTR	RS3P RS	2016 2016			2 36 9 09	2,035.79 3,986.56
Smart Saver® Non Residential Prescriptive	NRFS	DM	2015 2016			(D.33)	(166.94) 8.938.20
Smart Sever® Non Residential Prescriptive Smart Sever® Non Residential Prescriptive	NRFS NRFS	DM DM	2017			12.24 13.35	8,068.75
Smort Saver® Han Residential Prescriptive Smort Saver® Han Residential Prescriptive	NRFS NRFS	OM OF	2018 2015	1	3	74 72 0 42	54,563.80 308.34
Smort Saver* Non Residential Prescriptive Smort Saver* Non Residential Prescriptive	NRFS NRFS	OP OP	2016 2017	5	1.069 718	245.92 11920	109,784.63
Smort Sover® Non Residential Prescriptive	NRFS	OP .	2018	5	12	3.34	1,236.19
Smort Saver® Nam Residential Prescriptive Smort Saver® Nam Residential Prescriptive	NRFS NRFS	05 05	2015 2016	5	1,650 2,973	166.18 330.45	104,275 S3 187,871.20
Smart Saver® Hom Residential Prescription Smart Saver® Hom Residential Prescription	NRFS NRFS	O5 D5	2017 2018	5	35,975 1,912	3.630.96 212.91	2,273,021-17 120,805-75
Smort Sever® Hom Residential Prescriptive	NRFS	EH	2015			11.01	4,423 \$1
Smort Sover* Non Residential Prescriptive Smort Sover* Non Residential Prescriptive	NRFS NRFS	EH EH	2016 2017			0.37 7.88	267 72 4,309 72
Smort Savor ^a Non Residential Prescriptive Smort Savor ^a Non Residential Prescriptive	NRFS NRFS	EH TS	2014 2017			20.70 40.48	11,340 69 22,957 85
Smort Saver® Non Residential Prescriptive	NRHVAC	DM	3015			111.05	39,650 03
Smart Saver® Hen Residential Prescriptive Smart Saver® Hen Residential Prescriptive	NRHVAC NRHVAC	DM DM	2016 2017			118.05 199.40	61,511 23 60,183 26
Smort Savor® Non Residential Prescriptive Smort Savor® Non Residential Prescriptive	NRHVAC NRHVAC	De4 DP	3018		349	17 62 87 41	22,557.38 35,800.11
Smart Saver® Nes Residential Prescriptive	NRHVAC NRHVAC	DP DP	2016 2017	\$ 5	605 2,475	162.81 456.36	62,090 86 254,136 01
Smart Sever® Han Residential Prescriptive Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2018	\$	573	100.53	\$8,878.02
Smart Saver [®] Non Residential Prescriptive Smart Saver [®] Non Residential Prescriptive	HRHVAC HRHVAC	Ds Ds	2015 2016	5	7,938 7,300	1,310.24 1,223.36	501,549.16 461,222.43
Smart Saver® Non Residential Prescriptive	NRHVAC NRHVAC	DS DS	2017	5	14,958 11,401	2.125 A3 1.232.62	945,072 56 720,473.37
Smart Saver® Non Residential Prescriptive Smart Saver® Non Residential Prescriptive	NRHVAC	EH	2015	720	\$ 1, max	42 27	15,701 77
Smort Saver® Non Residential Prescriptive Smort Saver® Non Residential Prescriptive	HRHVAC HRHVAC	EH EH	2016 2017			19 86 118 51	7,250.62 52,151.87
Smort Saver® Non-Residential Prescriptive Smort Saver® Non-Residential Prescriptive	HRHVAC HRHVAC	EH TS	2018 2015			16.25 14.45	9,681.67 5,359.25
Smort Sever® Non-Residential Prescriptive	NRHVAC	15	2016			37.63	14.015.41
Smort Saver® Non Residential Penscriptive Smort Saver® Non Residential Penscriptive	HRHVAC	TS TS	2017 2018			475.51 33.14	176,332 66 19,631 77
Smort Sover* Non Residential Prescriptive Smort Sover* Non Residential Prescriptive	MRCT	DM DM	2015 2016			0.22	84.00 \$6.73
Smort Sever® Non Residential Princeletive	PARKET	DM	2018			0.40	294.49
Smort Sever* Non-Residential Princription Smort Sever* Non-Residential Princription	NRIT NRIT	OP OS	2015 2015	5	12 6	3.15 0.95	1,200.00 388.00

Smart Saver® Non Residential Prescriptive							
Smort Sever* Non Residential Prescriptive	NRIT	DS	3016	- 5	10	0.86	624 04
Smort Sever® Non-Residential Proscriptive	NIKS	DS	2017	- 5	4	0.39	283 66
Smort Sever® Non Residential Prescription	MAG	DS	3018	. \$. 6	0.55	390.99
Smort Saver® Non Residential Prescriptive	HALT HALTG	EH DM	2018			0.05	38.00
Smart Sever® Non Residential Prescriptive	MALTG		2015			1,314.10	758,575 14
Smart Saver® Non Residential Prescriptive		DM	2016			9,472.42	4.253,914.84
Smart Sever® Non Residential Prescriptive	MALTG MALTG	DM	2017			19,163.19	7.560,100.16
Smart Saver® Nan Residential Prescriptive	MRITG		3018			4,490.97	4,112,84171
Smort Sever® Non Residential Prescriptive	NRITG	DP DP	2015 2016		12,467	2,943 09	1,280,506-27
Smort Saver® Han Residential Proscriptive	NRLTG	DP		5 5	51,818	13,91157	5,821.572 92
Smort Sever® Non Residential Prescriptive	NRTG	DP	3017 2018		70,182	20,624.38	7,207,413 12
Smort Sever® Hen Residential Prescriptive	NALTG	DS	2015	5	49,104	16,321.78	5,042,051 26
Smart Sever® Non Residential Proscriptive	NALTG	DS	2016		99,047 563,862	13,649.21	6,250,065.33
Smart Savor® Hon Residential Prescriptive	NALTG	DS	2017			88,376.75	35,626,346.70
Smart Saver® Non Residential Prescriptive	NALTG	05	2018		846,540	146,589.65	53,486,774.28
Smart Sever® Non Residential Prescriptive	NALTG	EH	2015		254,300	44,023.13	16,067,393 12
Smort Saver® Non Residential Prescriptive	NRLTG	EH	2016			600.27	262,722.88
Smort Saver* Non Residential Prescriptive	NRLTG	EH	2017			3,034.51 5,009.16	1,126,960.34
Smort Savor® Non Residential Prescriptive	NRLTG	EH	2018			5,009.16 261.53	1,736,614.86
Smart Savor® Non Residential Prescriptive	NRITG	TS	2015				164,407.08
Smart Savor® Non Residential Prescriptive	MALTG	TS	2016			686-02 6,234-48	461,166.51
Smart Saver® Non Residential Prescriptive	MALTG	T.S.	2017			11,503.49	2,551,100 40
Smart Saver® Man Residential Prescriptive	MALTG	15	3018			6,553.73	4,746,103.85
Smart Saver® Han Rusidential Prescriptive	HRPEM	DM	2015			\$8.00	2,128,342 65 30,186 60
Smort Sever® Hon Residential Prescriptive	HRPEM	DM	2016			\$5.40	28,031.45
Smort Sever® Non Residential Prescriptive	NRPEM	DM	2017			44.32	23,066.76
Smort Sever® Hon Residential Prescriptive	NRPEM	DP.	2015	5	1,119	282.70	137,557.28
Smort Saver® Non-Residential Prescriptive	NRPEM	DP DP	2016	.5	22	4 43	2.306.68
Smart Saver® Non Residential Prescriptive	MRPAM	DP	2017	5	6,214	1.389.03	638,193,89
Smart Saver® Non Residential Prescriptive	HRPAM	DP .	2018		2,264	459 85	732.550.21
Smart Saver® Non Residential Prescriptive	NRPEM	DS.	2015	5	5,276	647.67	333,165.40
Smart Saver® Hon Residential Prescriptive	HRP&M	DS	3016	\$	4,373	540.26	276,125.23
Smort Sover® Hon Residential Prescriptive	HRPEM	DS	2017	5	13,104	1.657.85	#27,943.39
Smart Sever® Non Residential Prescriptive	MRPEM	D\$	3018	5	4,866	612 25	807,422 43
Smart Saver® Non Residential Prescriptive	NRPE M	EH	2015			44 17	22,999 31
Smort Sever® Non Residential Prescriptive	NRPE M	EH	2018			146.71	65,750.02
Smart Saver* Non-Residential Prescripting	NRPRAA	TS.	2015			14 66	7,678 13
Smort Saver® Non Residential Prescriptive Smort Saver® Non Residential Prescriptive	NRPEM	75	2016			64.71	33,882.84
Smart Sever® Non Residential Prescriptive	WRPEM	15	2017			779 72	397,842.56
Smart Sover® Herr Residential Prescriptive	HAPROC	DP	2016		209	60 99	21,419.60
Smart Sover® Hen Residential Prescriptive	NRPRGC	DP	7017	5	1,665	399 02	171,002.37
Smart Sever® Non Residential Prescriptive	MAPROC MAPROC	D'S	2015	5	451	81.58	28,520.97
Smort Sever® Non Residential Prescriptive	NRPROC	DS	2016	5	1,295	203 38	\$1.809.06
Smirt Sever® Non Residential Prescripting	NRPROC	DS	2017	5	4,136	649 DI	261,297.40
Smart Sever® Non Residential Custom	HRPRSC	DS DM	3018	5	731	133 17	46,166.19
Smart Sever® Hen Residential Custom	NRPRSC	DM DM	2015			256.21	95,090 65
Smart Sever® Non Residential Custom	NRPRSC	DM DM	2016			101.06	54,293 16
Smart Sever® Non Residential Custom	NRPRSC	DM	2017			91 50	30,719 62
Smart Saver® Non Residential Custom	ARPRSC	DP DP	2014	- 2		804.34	555,309 60
Smart Savor® Non Residential Custom	PARPRISC	OP	2015 2016		43,589 58.630	3,204.38	4,476,477.93
Smart Saver® Non Residential Custom	ALEPRIC	DP	2017	5		8,886.21	6,071,064 70
Smort Sever* Non Residential Custom	NAPASC	De	2018	5	45,305	13,160.19	4.652,630.38
Smort Sever® Non Residential Custom	NRPRSC	DS	2015		19,894	5,884.19	4.096,939.49
Smort Sever* Non Residential Custom	NAPASE	DS	2016	4	67,736	7,405 88	4,279,768 14
Smart Sever® Non Residential Custom	NAPRSC	D3	2017	5	144,647	21,748.35	9,151,844.05
Smort Savor® Non Residential Custom	NAPRSC	ps	3018		153,103	19,595 40	9,671,481 88
Smart Saver® Non Residential Custom	NAPRSC	(H	3015		85,084	0,215.76	5,375,865 00
Smart Savor® Non Residential Custom	NAPASC	EH	3017			7,91	2,615 05
Smart Saver® Non Residential Custom	NRPRSC	13	2015			121 72	42,719 80
Smart Saver® New Residential Custom	NRPRSC	TS	2016			15,627 50	10,546,744.86
Smart Saver® Flon Residential Custom	MRPRSC	13	2017			5,000.34	4,295,715.28
Smart Sever® Hon Residential Custom	NAPASE	15	2017			18,209 45	12,771,904 08
Grand Total		- ''	1010		1,945,900 \$	3,799 87	2,452,026 13
				,	7.945,900 B	1,227,396 \$	351,384,109

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Program						
Appliance Recycling Program	Product Code of Measure FRCYCL	Rate Class RS	Transaction Year 2016	Lost Revenue KWH Dollars	Monthly Lost Revenue kW	Monthly Lost Revenue kWh
Appliance Recycling Program	RRCYCL	RS	2016		0	0
Energy Efficiency Education Program for Schools	K12PRF	RS	2016		0	
Energy Efficiency Education Program for Schools	K12PRF	RS	2011	0	o	0
Energy Efficiency Education Program for Schools	K12PRF	R\$	2017		5679.968295	2334821
Energy Efficiency Education Program for Schools Energy Efficiency Education Program for Schools	K12PRF K12PRF	RS	2018		8112.53988	3426138.99
Energy Efficiency Education Program for Schools	K12PRF	RS01 RS01	2016 2011		0	0
Energy Efficiency Education Program for Schools	K12PRF	RS01	2017	0	0 15 59074222	0
Energy Efficiency Education Program for Schools	K12PRF	RS01	2018		14.79301651	6487 6247.48
Home Energy Comparison Report	HECR	RS	2016		0	0247.40
Home Energy Comparison Report	HECR	RS .	2011	0	0	0
Home Energy Comparison Report	HEER	RS	2017		0	0
Home Energy Comparison Report Home Energy Comparison Report	HECR HECR	RS	2010	0		0
Home Energy Comparison Report	MFHECR	RS RS	2018 2018		0	0
Low Income Neighborhood Program	HWU	RS	2016		11943.95013 0	4944710 0
Low Income Neighborhood Program	HWL	R5	2017		1730.739738	437710.34
Low Income Neighborhood Program	HWU	RS	2018		986.5357551	416640
Low Income Neighborhood Program	HWLI	RS01	2016		0	0
Low Income Neighborhood Program	HWU	RS01	2017		34.25436	8646.33
Low Income Neighborhood Program Low Income Neighborhood Program	HWU	RS01	2018		30.82924235	13020
Mercantile Self-Direct	HWLI NRCSSD	RS3P DP	2018		0.994491689	420
Mercantile Self-Direct	NRCSSD	DP	2016 2011		0	0
Mercantile Self-Direct	NRCSSD	DP DP	2017		0	0
Mercantile Self-Direct	NRCSSD	DS	2016		2985 0	2994170.436 0
Mercantile Self-Direct	NRCSSD	DS	2011		0	٥
Mercantile Self-Direct	NRCSSD	OS	2018		637.1582223	1244024.623
Mercantile Self-Direct	NRCSSD	75	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 Mercantile Self-Direct	NRPRSD	DS	2017		465.6178182	193472.5036
Mercantile Self-Direct	NRPRSD NRPRSD	DS TS	2018		891.6001339	532820.5382
Mercantile Self-Direct	NRPRSD	TS	2017 2018		897.6993094	348298.1499
Residential Energy Assessments	HEHC	RS	2016		611.1081874 0	244627.6107
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 Residential Energy Assessments	HEHC	RSO1	2016		0	0
Residential Energy Assessments	HEHC HEHC	RS01	2011	0	0	0
Residential Energy Assessments	HEHC	RSO1	2017 2010	0	2.09011747	793.97
Residential Energy Assessments	HEHC	ASO1	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 Small Business Energy Saver	SSBDIR	DM	2016		0	0
Small Business Energy Saver	SSBDIR SSBDIR	DM	2017		9111.87712	3343828.779
Small Business Energy Saver	SSBDIR	DM DS	2018 2016	0	6615.276691	2845772.671
Small Business Energy Saver	SSBDIR	OS	2017	142391 2036	25120 21520	0
Small Business Energy Saver	SSBDIR	DS .	2018	199736.3448	25130.31528 27680.43933	8996673.583 12619899.63
Small Business Energy Saver	SSBDIR	EH	2016		0	0
Small Business Energy Saver	SSBOIR	EH	2017		45.15298667	16743.02204
Small Business Energy Saver	SSBOIR	EH	2018		93.42605131	72338.39513
Small Business Energy Saver	SSBOR RIGGE2	RS01	2018		62.57173799	33215.75215
Low Income Weatherization - Pay for Performance Low Income Weatherization - Pay for Performance	MIZKWH	RS	2016		0	0
Low Income Weatherization - Pay for Performance	WIZKWH	RS RS	2017		346.3103665	251856.3911
Low Income Weatherization - Pay for Performance	WIZKWH	RS RSO1	2018 2016		1325.596616	963235.0092
Invalid	HEHCRD	RS	2011	0	0	0
Invalid	HEHCRD	RS	2010	0	0	0
Invalid	HES	RS	2016	•		0
tovatid	K12CFL	RS	2011	0	0	0
Invalid	K12CFL	RS	2010	0	0	0
Invalid	K12CFL	RS	2009	0	0	0
Invalid	K12CFL	RSOI	2010	0	0	0
Invalid Invalid	K12CFL LiCFL	RSO1	2009	0	0	0
Invalid	LICFL	RS RS	2011	0	0	0
Invalid	LICFL	RS01	2010 2011	0	0	0
Invatid	LICFL	R501	2010	0	0	0
Invalid	OHEC	RS	2011	0	0	0
Invalid	OHEC	RS	2010	0	0	0
Invalid	OHEC	RS	2009	ō	0	0
Invalid	OHEC	RS01	2010	0	0	0
Invalid	OHEC	R501	2009	0	0	0
Invalid	PER	R5	2011	0	0	0
Invalid Invalid	PER	RS	2010	0	0	0
Invalid	PER PER	RS PSA1	2009	0	0	0
Invalid	PER	RS01 RS01	2010 2009	0	0	0
		naWa	1007	D	0	0

Invalid	PER	RS3P	2010	0	0	0
Invalid	PER	RS3P	2009	0	0	0
Invalid	REFRPL	RS	2011	0	0	0
Invalid Invalid	REFRPL REFRPL	RS RS	2010 2009	0	0	0
Invalid	REFRPL	RSO1	2011	0	ō	0
Smart Saver® Residential	HPWH	RS	2016		0	0
Smart Saver® Residential	HPWH	RS	2017		34.73784429	25358.62634
Smart Saver® Residential Smart Saver® Residential	HPWH MFEEAR	RS RS	2018 2016		61.0512618 0	44567.42112 0
Smart Saver® Residential	MFEEAR	RS	2017		613.0053227	18645.57857
Smart Saver® Residential	MFEEAR	RS	2018		1880.564977	57200 51806
Smart Saver ^a Residential Smart Saver ^a Residential	MFEEPW	RS RS	2016 2017		0 73.65452083	0 28340 86211
Smart Saver Residential	MFEEPW	R5	2018		121.6381824	51371.00412
Smart Saver® Residential	MFEESH	R5	2016		0	0
Smart Saver® Residential	MFEESH	R5	2017		3151.216706	95849.50814
Smart Saver® Residential Smart Saver® Residential	MFEESH PEEPVS	RS RS	2018 2016		4776.581112 0	145287.6755 0
Smart Saver® Residential	PEEPVS	RS	2017		432.1812541	316789.8674
Smart Saver® Residential	PEEPVS	R\$	2018		487 2802429	358027.9922
Smart Saver® Residential	PEEPVS	RS3P	2017		1.836456766	1344.869049
Smart Saver® Residential Smart Saver® Residential	PEEPVS RCFL	RS3P RS	2018 2018		2.214910195 0	1627,399964
Smart Saver® Residential	RCFL	R5	2011	0	0	
Smart Saver® Residential	RCFL	RS	2017	_	-0 503512786	-309.8444947
Smart Saver® Residential Smart Saver® Residential	RCFL RCFL	RS RS	2010 2009	0	0	0
Smart Saver® Residential	RCFL	RSO1	2016		0	0
Smart Saver® Residential	RCFL	RS01	2011	0	0	0
Smart Saver® Residential	RCFL	R501	2010	0	0	0
Smart Şaver® Residentlal Smart Şaver® Residentlal	RCFL RCFL	RSO1 RS3P	2009 2011	0	0	0
Smart Şaver® Residential	RCFL	RS3P	2010	0	o	ō
Smart Şaver® Residentlal	RCFLPM	RS	2016		0	0
Smart Şaver® Residentlal	RCFLPM	RS	2011	0	0	0
Smart Saver® Residential Smart Saver® Residential	RCFLPM RCFLPM	RS RS	2017 2010	0	90.33762371 0	55451.00475 0
Smart Saver® Residential	RCFLPM	RS01	2016	_	0	0
Smart Saver® Residential	RCFLPM	RS01	2011	0	0	0
Smart Saver® Residential Smart Saver® Residential	RCFLSP RCFLSP	RS RS	2016 2017		0 6245.282251	0 3553599.801
Smart Saver Residential	RCFLSP	RS	2018		5176 986404	2485123 901
Smart Saver® Residential	RCFLSP	RS01	2016		0	0
Smart Saver® Residential	RCFLSP	RSD1	2017		47 38096536	26868.80391
Smart Saver® Residential Smart Saver® Residential	RCFLSP RCFLSP	RSO1 RS3P	2018 2016		34.87354568 0	16356.93509 0
Smart Şaver* Residential	RCFLSP	RS3P	2017		1.384319074	755.0131478
Smart Şaver® Residential	RCFLSP	RS3P	2018		5.936114708	2741.513234
Smart \$aver® Residential	RLED	RS	2016		0	0
Smart Saver® Residential Smart Saver® Residential	RLED RLED	RS RS	2017 2018		7959.614713 127775.6716	4889814.887 68173278.93
Smart Saver* Residential	RLED	RSO1	2016		0	0
Smart Saver® Residential	RLED	RSO1	2017		13.23082411	8022.260343
Smart Saver® Residential	RLED	RSO1	2018		991.6638984	528919.2704
Smart Saver® Residential Smart Saver® Residential	RLED RLED	RS3P RS3P	2016 2017		0 0 240570125	0 148.1348198
Smart Şaver® Residential	RLED	RS3P	2018		9.5395958	5166.804281
Smart Saver® Residential	SFEEAR	R5	2016		0	0
Smart Saver® Residential Smart Saver® Residential	SFEEAR SFEEAR	RS RS	2017 2018		1482.913279 3298.41354	1095325.2 2425840.5
Smart Saver* Residential	SFEEAR	RS01	5016		0	0
Smart Saver® Residential	SFEEAR	RS01	2017		1 234265696	908.9
Smart Saver® Residential	SFEEAR	R501	2018		2.678417089	1970.3
Smart Saver® Residential Smart Saver® Residential	SFEEAR SFEEPW	RS3P RS	2017 2016		0.50112 0	370.4 0
Smart Saver® Residential	SFEEPW	RS	2017		751.4 96 01	543534.85
Smart \$aver* Residential	SFEEPW	R.S.	2016		1187.070786	858573.21
Smart Saver® Residential Smart Saver® Residential	SFEEPW SFEEPW	RSO1 RSO1	2016 2017		0 0.4452	0 322
Smart Şaver* Residential	SFEEPW	RS01	2018		0.933966	675.51
Smart Şaver* Residential	SFEEPW	RS3P	2017		0.2226	161
Smart Saver® Residential	SFEESH	RS	2016		0	0
Smart Saver® Residential Smart Saver® Residential	SFEESH SFEESH	RS RS	2017 2018		947.0686105 2499.725937	692088.6 1826722.8
Smart Saver® Residential	SFEESH	RSO1	2016		0	0
Smart Şaver ^e Residential	SFEESH	RS01	2017		0.747157895	546
Smart Saver® Residential	SFEESH	RS01	2018		2.097789474	1533
Smart Saver® Residential Smart Saver® Residential	SFEESH SSAC	R\$3P R\$	2017 2016		0.3276 0	239.4
Smart Saver® Residential	SSAC	R\$	2011	0	0	0
Smart Saver® Residential	SSAC	RS	2017	465	2528.715061	964787 1182
Smart Saver® Residential	SSAC	RS BS	3010	0	0	0
Smart Saver® Residential Smart Saver® Residential	SSAC SSAC	RS RS	2009 2018		66.72575098	0 27040,73683
Smart Saver® Residential	SSAC	R501	2016		0	0
Smart Saver® Residential	SSAC	R501	2011	0	0	0
Smart Saver® Residential Smart Saver® Residential	SSAC SSAC	R501 R501	2010 2009	0	0	0
Smart Şaver" Residential	SSAC	RS3P	2016		0	0
Smart Şaver® Residential	SSAC	RS3P	2017		2.632873668	976.5784753
Smart Saver® Residential	SSAIAS	RS	2016		0	0
Smart Saver® Residential Smart Saver® Residential	SSAIAS SSDINS	RS RS	2017 2017		171.7952677 1.927642305	66582 79054 683.28

Considerate Consid						
5mart \$aver* Residential 5mart \$aver* Residential	SSDSEA	RS	2016		0	0
Smart Saver* Residential	SSDSEA	RS no	2017		1.80441403	639.6
Smart Saver* Residential	SSHP SSHP	RS	2016	9	0	0
Smart Saver® Residential	SSHP	RS RS	2011 2017	0	0	0
Smart Saver® Residential	SSHP	RS	2010	0	1100.002515	422878.7881
Smart Şaver® Residential	SSHP	RS	2009		0	0
Smart Saver® Residential	SSHP	RS	2018		35.07190472	0 14722.47377
Smart Saver* Residential	SSHP	RS01	2011		33.07130472	0
Smart \$aver* Residential	SSHP	RSOI	2010		0	0
Smart \$aver* Residential	SSHP	RSO1	2009	0	D	0
Smart Şaver® Residentlal	SSAISN	RS	2017		36.28962091	15268.68
Smart Şaver* Residential	SSAISN	RS	2018		381.0410196	160321.14
Smart \$aver* Residential	MPSMTS	RS	2018		2951.076609	1294244.234
Smart \$aver® Residential	MPSMTS	RSO1	2018		1.799436957	789.1733133
Smart Saver® Residential	RLEDPM	RS .	2018		625.0669722	337608.7175
Smart Saver® Residential	RTLLED	RS	2018		10673.60217	5283075.536
Smart Saver® Residential Smart Saver® Residential	SSAC2N	RS	2018		2544.678207	1048195 597
Smart Saver* Residential	SSAC2N	RS01	2018		1 732252013	713.5436329
Smart Saver* Residential	SSAC2N	RS3P	2018		5.196756039	2140.630899
Smart Saver® Residential	SSAC2R SSAC3N	RS	2018		22.51927617	9276.067228
Smart Şaver* Residential	SSACSR	RS	2018		914.676347	377671.0684
Smart Saver® Residential	SSAISR	RS RS	2018 2018		19.60020744	8092.951466
Smart Saver® Residential	SSDINN	RS	2018		183.5111447	77211.414
Smart Saver® Residential	SSOSEN	RS	2018		4.079721646 25.55338431	1583.808
Smart Saver® Residential	SSDSER	RS	2018		19.5408233	9920.199958
Smart Saver® Residential	SSHP2N	RS	2018		2036,767433	7586.035262 902564.3987
Smart Saver® Residential	55HP2R	RS	2018		9.959742949	4413.517842
Smart Saver® Residential	NEGH22	R5	2018		1600.988404	707356.8781
Smart Saver® Residential	NEGHZZ	RS3P	2018		13 34157003	5894 640651
Smart Saver® Residential	SSHP3R	RS	2018		20.01235505	8841 960977
Smart Saver® Residential	SSSTN	AS	2018		1878 612183	823896.9391
Smart Şaver® Residential	SSSTN	RS01	2018		1.012183288	443.9099887
Smart Saver® Residential	SSSTN	RS3P	2018		5.060916441	2219.549944
Smart Saver® Residential	SSSTR	RS	2018		25 72632524	11262.71221
Smart Saver® Non Residential Prescriptive	NRFS	DM	2016		0	0
Smart Saver® Non Residential Prescriptive	NRFS	DM	2011	0	0	0
Smart \$aver* Non Residential Prescriptive Smart \$aver* Non Residential Prescriptive	NRFS	DM	2017		8.655111061	4646 614386
Smart \$aver* Non Residential Prescriptive	NRFS NRFS	DM	2010	0	0	0
Smart Saver® Non Residential Prescriptive	NRFS	DM	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRFS	OM OP	2018 2016		89.65957883	65476.56187
Smart Saver® Non Residential Prescriptive	NRFS	OP OP	2017	100 0335 455	0	0
Smart Saver® Non Residential Prescriptive	NRFS	OP OP	2018	199.9335465 72.2234125	28.12676712 20.30737534	20532 54
Smart Saver® Non Residential Prescriptive	NRFS	DS	2016	0	20.30737334	7417 114998 0
Smart Saver® Non Residential Prescriptive	NRFS	DS	2011	ő	0	0
Smart Saver® Non Residential Prescriptive	NRFS	DS	2017	33046 45831	3494.503669	2087967.452
Smart Saver® Non Residential Prescriptive	NRFS	DS	2010	0	0	0
Smart Saver® Non Residential Prescriptive	NRFS	D5	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRFS	DS	2018	7266.0971	844.9698972	459092.2908
Smart Saver® Non Residential Prescriptive	NRFS	EH	2016		0	0
Smart Saver® Non Residential Prescriptive	NRFS	EH	2011	0	0	0
Smart Saver® Non Residential Prescriptive	NRFS	EH	2017		7.876355561	4309.716331
Smart Saver® Non Residential Prescriptive	NRFS	EH	2010	0	0	0
Smart Saver® Non Residential Prescriptive	NRF5	EH	2018		37.55857534	20576.97766
Smart Saver® Non Residential Prescriptive	NRFS	TS	2017		40.4784439	22957.85407
Smart Şaver* Non Residential Prescriptive Smart Şaver* Non Residential Prescriptive	NRHVAC	DM	2016		0	0
5mart Saver® Non Residential Prescriptive	NRHVAC NRHVAC	DM	2011	0	0	0
Smart Saver* Non Residential Prescriptive	NRHVAC	DM DM	2017	_	94 66738385	41067 75893
Smart Saver* Non Residential Prescriptive	NRHVAC	DM	2010	0	0	0
Smart Saver® Non Residential Prescriptive	NRHVAC	DM	2018	0	33.543055	O
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2016	0	73.6470665	44140.021
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2011	0	0	0
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2017	2444.711405	448.2659842	251064.094
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2010	0	0	231004.034
Smart Saver® Non Residential Prescriptive	NRHVAC	DP	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRHVAC	OP	2018	910.5556442	164.70322	93511.17167
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2016	0	0	0
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2011	0	0	
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2017	10944.08148	1455.760967	691477.5076
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2010	0	0	0
Smart Saver® Non Residential Prescriptive Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRHVAC	DS	2018	19420,56218	2256.520939	1227045.312
Smart Saver® Non Residential Prescriptive	NRHVAC NRHVAC	EH	2016	12-46-00 2.1 7-6	0	0
Smart Saver® Non Residential Prescriptive	NRHVAC	EH EH	2011 2017	0	0	0
Smart Saver® Non Residential Prescriptive	NRHVAC	EH	2010		69.25502212	33888.30197
Smart Saver® Non Residential Prescriptive	NRHVAC	EH	2010	0	0	0
Smart Saver® Non Residential Prescriptive	NRHVAC	EH	2018	0	0 16.25281926	0
Smart Saver® Non Residential Prescriptive	NRHVAC	T5	2016		10:52581358	9681.665259
Smart Saver* Non Residential Prescriptive	NRHVAC	TS.	2017		475.5111272	0 176332.6578
Smart Saver® Non Residential Prescriptive	NRHVAC	75	2018		42.47983494	25162.62479
Smart Saver® Non Residential Prescriptive	NRIT	DM	2016		0	23102.02479
Smart Saver® Non Residential Prescriptive	NRIT	DM	2018		2.652977413	1937.959803
Smart Saver® Non Residential Prescriptive	NRIT	DS	2016	0	0	0
Smart Saver® Non Residential Prescriptive	NRIT	DS	2017	٥	0	0
Smart Saver® Non Residential Prescriptive	NRIT	OS	201B	32.47652443	2.809034908	2051.957439
Smart Saver® Non Residential Prescriptive	NRIT	EH	2018		0.31211499	227 995271
Smart Saver® Non Residential Prescriptive Smart Saver® Non Residential Prescriptive	NRLTG	DM	2016	59	0	0
Smart Saver* Non Residential Prescriptive	NRLTG	DM	2011	0	0	0
Smart Saver* Non Residential Prescriptive	NRLTG NRLTG	DM	2017		14297,99319	5637386.904
	INVERS	DM	2010	0	0	0

	3022			_	_	_
Smart Saver® Non Residential Prescriptive	NRLTG	DM	2009	0	0	0
Smart Şaver® Non Residential Prescriptive	NRLTG	DM	2018		6754.628405	4882062.046
Smart Şaver® Non Residential Prescriptive	NRLTG	DP	2016	0	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	DP	2011	0	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	DP	2017	54634.77999	16475 73966	5610818.321
•				0	104/3/3300	0
Smart Saver® Non Residential Prescriptive	NRLTG	DP	2010	*	_	-
Smart Şaver ^a Non Residential Prescriptive	NRLTG	DP	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	DP	2018	71221.75383	21626.04932	7314247.835
Smart Saver® Non Residential Prescriptive	NRLTG	DS	2016	0	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	DS	2011	0	0	0
•						-
Smart Saver® Non Residential Prescriptive	NRLTG	DS	2017	641346.8088	111509.6559	40522081.05
Smart Saver ⁴ Non Residential Prescriptive	NRLTG	Ds	2010	0	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	DS	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	OS	2018	389301.9133	69482 86455	24597181 23
•				303301.3233	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	ЕН	2016		-	•
Smart Saver® Non Residential Prescriptive	NRLTG	ĚН	2011	0	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	EH	2017		3578.010174	1259559.059
Smart Saver® Non Residential Prescriptive	NRLTG	EH	2010	0	0	0
Smart Saver® Non Residential Prescriptive		ξH	2009	0	0	0
	NRLTG			V		
Smart Saver* Non Residential Prescriptive	NRLTG	ΕH	2018		369.5467254	207102 4512
Smart Saver* Non Residential Prescriptive	NRLTG	RS01	2011	0	0	Q
Smart Saver® Non Residential Prescriptive	NRLTG	R501	2010	0	D	0
			2016	•	0	0
Smart Saver® Non Residential Prescriptive	NRLTG	TS			-	•
Smart Saver® Non Residential Prescriptive	NRLTG	TS	2011		0	0
Smart Saver® Non Residential Prescriptive	NRLTG	TS	2017		12483.54224	4330225.978
Smart Saver® Non Residential Prescriptive	NRLTG	TS	2010		0	0
Smart Şaver* Non Residential Prescriptive	NRLTG	TS	2009	0	0	A
					10041.43633	3185681 41
Smart Saver® Non Residential Prescriptive	NRLTG	TS	2018			
Smart \$aver* Non Residential Prescriptive	NRP&M	DM	2016		Ó	0
Smart Saver® Non Residential Prescriptive	NRP&M	DM	2011	0	0	
Smart Saver® Non Residential Prescriptive	NRP&M	DM	2017		44 3232	23056.76
1				0	0	0
Smart Saver® Non Residential Prescriptive	NRP&M	DM	2010		_	•
Smart Saver® Non Residential Prescriptive	NRP&M	DP	2016	0	0	0
Smart Saver® Non Residential Prescriptive	NRP&M	DP	2011	0	0	: : 0
Smart Saver® Non Residential Prescriptive	NRP&M	DP	2017	6186 272618	1283 48496	635310.543
Smart Saver® Non Residential Prescriptive	NRP&M	DP	2010	0	0	0
•						-
Smart Şaver* Non Residentlal Prescriptive	NRP&M	DP	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRP&M	OP	2018	3826.214786	778.77504	392940.102
Smart Saver® Non Residential Prescriptive	NRP&M	OS	2016	0	0	0
Smart Saver® Non Residential Prescriptive	NRP&M	OS	2011	0	0	p
				•		-
Smart Saver® Non Residential Prescriptive	NRP&M	20	2017	9005.822534	1149.058463	569012.9984
Smart Saver® Non Residential Prescriptive	NRP&M	DS	2010	0	0	0
Smart Saver® Non Residential Prescriptive	NRP&M	DS	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRP&M	DS	2018	7572.363464	969.3592147	478443.0543
	NRP&M		2010	0	0	0
Smart Saver® Non Residential Prescriptive		EH		_		•
Smart Saver® Non Residential Prescriptive	NRP&M	EH	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRPSM	EH	2018		146.7082869	65750.02118
Smart Saver® Non Residential Prescriptive	NRPSM	TS	2016		0	0
	NRP&M	TS	2011		a	0
Smart Saver® Non Residential Prescriptive					_	
Smart Şaver® Non Residential Prescriptive	NRP&M	75	2017		779.71896	397842.558
Smart Şaver® Non Residential Prescriptive	NRP&M	TS.	2009	0	0	0
Smart Saver® Non Residential Prescriptive	NRPROC	DP	2016	0	0	0
Smart Saver® Non Residential Prescriptive	NRPROC	DP	2017	1042.644246	249 8530245	107076.2514
·		DS	2016	D	0	0
Smart Saver® Non Residential Prescriptive	NRPROC			_		-
Smart Saver® Non Residential Prescriptive	NRPROC	DS	2011	0	0	0
Smart Saver® Non Residential Prescriptive	NRPROC	Ds	2017	1509.445429	259.2494883	95370.97428
Smart Saver® Non Residential Prescriptive	NRPROC	bs	2010	0	0	0
Smart Saver® Non Residential Prescriptive	NRPROC	OS	2018	1717.466867	313.0286538	108514.3492
·				1717140001	0	0
Smart Saver® Non Residential Custom	NRPRSC	DM	2016	-		*
Smart Saver® Non Residential Custom	NRPRSC	OM	2011	0	0	0
Smart Saver® Non Residential Custom	NRPRSC	DM	2017		D	0
Smart Saver® Non Residential Custom	NRPRSC	DM	2010	0	0	0
Smart Saver® Non Residential Custom	NRPRSC	DM	2009	0	0	0
Smart Saver® Non Residential Custom	NRPASC	DM	2018		877.4611016	605792 2924
				0	0	003/32 2924
Smart Saver® Non Residential Custom	NRPASC	DP	2016		_	•
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 Saver® Non Residential Custom	NRPRSC	DP	2010	0	0	0
Smart Saver® Non Residential Custom	NRPRSC	DP	2009			0
						_
Smart Saver® Non Residential Custom	NRPRSC	DP	2018	95773 42159	12724.27133	983\$626.109
Smart Saver® Non Residential Custom	NRPRSC	DS	2016	0	0	0
Smart Saver® Non Residential Custom	NRPRSC	DS	2011	0	0	0
Smart Saver® Non Residential Custom	NRPRSC	DS	2017	112019-4207	14902.28838	7077699 \$9
Smart Saver* Non Residential Custom		DS		0	0	0
	NRPRSC		2010			_
Smart Saver® Non Residential Custom	NRPRSC	DS	2009	0	0	0
Smart Saver® Non Residential Custom	NRPRSC	DS	2018	145595.0696	14059 07945	9199102.78
Smart Saver® Non Residential Custom	NRPRSC	EН	2011	0	0	0
Smart Saver® Non Residential Custom	NRPRSC	EH	2017	•	101.2068361	33531 28999
Smart Saver® Non Residential Custom	NRPR\$C	TS	2016		0	0
Smart Saver® Non Residential Custom	NRPRSC	TS	2017		14561.30737	10287950.53
Smart Saver® Non Residential Custom	NRPRSC	TS .	2018		5646 197472	3352804.958
Power Manager® for Business = EE	SBEEDR	DM	2018		869.8222777	439488
		DS		2429.015857		153472
Power Manager® for Business = EE	SBEEDR		2018	2927.01363/	303.7474621	
Power Manager® for Business = EE	SBEEDR	EH	5018		3.451675705	1744
Grand Total				2004951.583	678116.3299	304178064.2

DUKE ENERGY OHIO RIDER EE-PDRR REVENUES

Rider Revenue Rate 2018	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 Gr	and Total
DM	\$79,931	\$69,266	\$61,863	\$63,205	\$58,092	\$72,624	\$79,760	574.344	577.219	\$64.763	\$58.020	\$69.344	CR36 430
DP	\$253,380	\$263,541	\$243,516	\$257,326	\$264,475	\$299,106	\$308,254	\$294.779	\$310.869	\$279.416	\$25,225 \$256 580	6261013	05,4300
QS	\$922,266	\$851,131	\$814,298	\$840,247	\$845,804	\$1,006,167	\$1.053,602	\$999,712	\$1,042,769	5417 212	\$820,000	60000000	611 025 211
EH	\$18,421	\$14,574	\$11,772	\$11,291	\$8,923	\$17	\$15	S	95	SR 757	\$00°070¢	613 555	110,030,114
GF.	53,491	\$3,491	\$3,491	\$3,491	\$3,488	\$3,490	\$3,490	\$3.490	\$3.490	53.490	£3 490	C2 490	6A1 BGA
OR OR	\$4,015	\$2,552	\$1,975	\$1,950	\$1,267	\$1,414	\$1.576	\$1.426	\$1,446	\$1.254	\$1.778	E17.02	C32 267
RS	\$3,051,651	\$2,334,006	\$1,947,118	\$1,927,551	\$1.646,661	\$2,311,360	\$2,684,704	\$2.417.492	\$2.481 680	C1 041 575	202 747 205	C1 245 C2	/B5/57¢
SF	\$7	\$7	57	23	2.5	25	5	5	63	63	2000	100,040,00	/04//00/076
TD	\$118	\$116	\$83	\$90	\$68	\$75	\$102	293	968	525	, e	, co 2	289
TS	\$282,481	\$224,919	\$258,541	\$274,461	\$262,751	\$226,879	5289.831	5259.737	\$233.157	\$754 479	\$269.200	4340 33A	670,15
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

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Sum of	USAGE	Column Labels			
Row Label	S	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	3	179,911,575	549,445,128	287,099,166	1,016,455,869
11/1/2018	3	164,950,516	491,279,749	286,092,375	942,322,640
12/1/2018	3	168,053,775	532,733,984	289,174,628	989,962,387
Grand Tot	al	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

Dode Javeryy Olske
George Efficiency and Perit Dominand Response Adder
Summany of Calculations
2018 Annead Filling

		2	2012 2014 Actual	JUL 2018 Actual	JOSE Actual	JOE Actual	2016 Actual	2019 Loperted	2019 Espected	Fotal	letel	Esternated	Peli	fifective subs 2019	ĺ
Rate Schedule		6 Shared Savegy	(DY, DP, TS)	Raders EE POICH / SAWIR Revolutes	Program Casts & Shared Savage	Linst Revenues (DA, De. TS)	Auders E1 PORIN	Program Cents & Shared Sames	Levi Revenues (OS. DP. TS)	Between	Aereana Aereana	Pathol .	30	frongy (Warmery and Posts	
		A Core h	Cose No. 13 753, 14-457, 15-534 (c) 0	61	Care	Care No. 37-781 EL RDR (as fibed)	f (hed)	9	I	Ave. C. D. E. of c. G. ett.	PLA CAT (B)			Reder (El PORR)	
<u>Elective Rader (DS)A</u> Revalenti ali Rates RS, ORbs, TD, AS3P, RSst. TD 33	1/1	(d) \$7,060,011 \$	(1)	\$ 1166,820,9411	10)	3 9	(15,072,795) \$	140	Ξ	AA-88-CC-CD-EF-FF- GG-HH-48-W \$ (13, 143,677	### ##################################		7,311,926,653 LWh \$	A 100 (00 (00 (00 (00 (00 (00 (00 (00 (00	S S
Distributions tervel Rates Program Cast Recovery (Part A) Apples to Rates DA, DP, DIA, GS FL, EM, STL-ADM, TL, RTP, B CLIR	**	\$1,436,573 \$	*	\$ [44,700,059] \$	\$ 11,574,304 \$		(15,733,707) \$	\$ 21,976,750 \$		\$ 155,070,255 \$	3 \$ 75,667,690		12,585,374,567 HWN \$		SAWA S
Distribution Level Rates. (ast Revenue Recovery (Parl 8) Applies to Rates CN, DP, 13, 8, R1P		v/s	5,653,696 \$	(6.770.11)		\$ 2,137,750 \$	\$ (906/51277)		2543.027 \$	\$ (1.115,405) \$	(45C,1C1,1) & 18		11.821,509,794 heth \$		NAMOS
Fot all fleet amonty	•	109.516,606 \$	5,653,696 \$	(101,507,743) \$		44,529,494 \$ 2,137,750 \$	{44,042,408} \$	\$ 14,652,074 \$	2.563.023 \$	इ ज्यांक्षां इ	06609119 S G	940			
		2015 Actual Program Costs & Shared Samess	2015 Actual List Revenues (D), DP, TSI	JOIS Actual Puders (E POID) Reveneent	2037 Actual Program Casts & Shared Commen	JOL/ Actual Lost Revenues Jos De To	Address EE oppiss		2016 Actual 1614 Revenues	Adia Actual Auters EE PORA	1	Adjustments From Orders in	Worls lers fin	Adjustments from Orders in	
		1	Case No. 16-664 LL ROBjas (deep)	L	(497	Cess to 18-397 Et RDR (45 fdect)	-	Case No.	Case No. 15 422 61 HOR to deed conclusion	find conduct	ı	Case No. 16 457, 15 538	57, 15 538	16-664, 17-781, 18-193	
Sharrow Bakes (1982)		AA.	2 3	В		2	16	6.0	ī	=		(Amounts included in Calumn A)	d In Cohumn A)	э	
Anna	*	16,413,554 \$	\$	[34,879,7 soj	(d) \$ 9,015,353 \$	2 2	\$ (92,932,826) \$	\$ 21,656,863 \$		\$ (26,061,932)	=	·	(1,241,444)	\$ [8054,110]	
Distribution Level Rates - Program Cost Receivery (Part A) Applies to Rates DS, DP, DAL, GS FL, EH, SSL-ADPL, TS, RTP, B. CUR	wi	15,111,552 \$	**	\$ [193,544,891] \$	\$ 42,365,306 \$	v9	\$ {641,560,211}	\$ 24,548,762 \$		\$ (15,304,114)	3	w	18,137,530)	\$ (5,645,34)	
Distribution Live (Rate): Less Revenue Recevery (Part 8) Applies to Rates DY, DP, 15, B ATP		V	1,940,545 \$	\$ (83,215,619) \$		\$ 165,108.5 \$	1), HULMAN	W	3,545,900 \$	\$ (13,707,053)	2				
Total flocarrory	*	\$ 10531,908 \$	1,940,545 \$	(48,642,302)	\$ 51,450,640	\$1,450,640 \$ 7,801,517 \$	142,103,330 \$	\$ 45,205,425 \$	3,345,900 \$	\$ (45,373,970)	8				
Tot at Change for Reviolation Ration (N., ORIN, TO, RS 35: TOLI, TO 2013) Stock Change for Rates DAC, GS 51, Ett, SST, ADM, & CUR, Part & Only) Total Change for Rates DS, OR: TS, & RTP (Part & plan Part B)														AWAR ELEGEN \$	W.C.
														2 (1000)	

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in

Case No(s). 19-0622-EL-RDR

Summary: Application Amended Application of Duke Energy Ohio, Inc. electronically filed by Carys Cochern on behalf of Duke Energy