## VERIFICATION

STATE OF NORTH CAROLINA	)	
	)	SS:
COUNTY OF WAKE	)	

The undersigned, Mark Otersen, Senior Product & Services Manager, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

Mark Otersen, Affiant

Subscribed and sworn to before me by Mark Otersen on this  $3^{ed}$  day of November, 2015.

TAR PUBLIC

My Commission Expires: May 10, 2019

# VERIFICATION

STATE OF NORTH CAROLINA	)	
	)	SS:
COUNTY OF MECKLENBURG	)	

The undersigned, Gregory Schielke, Product & Services Manager, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

Schielke, Affiant

Subscribed and sworn to before me by Gregory Schielke on this  $3^{\prime\prime}$  day of November,

2015.



Jan & M Walha

NOTARY PUBLIC

My Commission Expires: 12/18/2017\_

# VERIFICATION

STATE OF OHIO	)	
	)	SS:
COUNTY OF HAMILTON	)	

The undersigned, Trisha Haemmerle, Senior Strategy & Collaboration Manager, being duly sworn, deposes and says that she has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of her knowledge, information and belief.

right HS

Trisha Haemmerle, Affiant

Subscribed and sworn to before me by Trisha Haemmerle on this day of November, 2015.

ADELE M. FRISCH Notary Public, State of Ohio My Commission Expires 01-05-2019

Adult Misch NOTARY PUBLIC My Commission Expires: 1/5/2019

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DATA REQUEST	<u>WITNESS</u>	TAB NO.
STAFF-DR-02-001	Trisha Haemmerle	1
STAFF-DR-02-002	Mark Otersen	2
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STAFF-DR-02-005	Greg Schielke	5

1

### **STAFF-DR-02-001**

# **REQUEST:**

Refer to the response to Commission Staff's Initial Request for Information ("Staff's First Request"), Item 4, and page 5 of Attachment STAFF-DR-01-6a, Item 6.

- a. Explain whether a customer can be charged only the Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP factor of \$0.001703/kWh.
- Explain whether a customer can be charged only the Transmission Level Rates & Distribution Level Rates Part B TT factor of \$0.000161/kWh.
- c. If the answer to parts a. and b. are yes, and a customer can be charged the Distribution Level Rates Total DS, DP, DT, GS-FL, EH & SP factor, explain whether the customer will be charged \$0.001865/kWh as proposed on page 5 of Attachment STAFF-DR-01-06a, or whether the customer will be charged the sum of the Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP factor of \$0.001703/kWh, plus the Transmission Level Rates & Distribution Level Rates Part B TT factor of \$0.000161/kWh, which should equal \$0.001864/kWh.
- d. Provide Attachment STAFF-DR-01-6b in electronic format with formulas intact and cells unprotected.

### **RESPONSE:**

a. No, a customer is not charged only the Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP factor of \$0.001703/kWh.

- b. Yes, Rate TT can be charged only the Transmission Level Rates & Distribution Level Rates Part B TT factor of \$0.000161/kWh. As required, qualifying industrial customers are permitted to "opt-out" of participation in, and payment for, Smart \$aver® Custom and Smart \$aver® Prescriptive and Small Business Energy Saver (these program costs are recovered through Part A). All of Duke Energy Kentucky's Rate TT customers met the "opt-out" requirements prior to the implementation of the DSM riders in May 1996, and are not subject to the Part A portion of the DSM Cost Recovery Mechanism (i.e. Rider DSMR).
- c. Rates DS, DP, DT, GS-FL, EH & SP pay parts A & B resulting in a charge of \$0.001864/kWh.
- d. Please see Attachment Staff-DR-02-001.xlsx.

### PERSON RESPONSIBLE: Trisha Haemmerle

#### Kentucky DSM Rider

#### Comparison of Revenue Requirement to Rider Recovery

		(1)	(2)		(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)	(11)	(12)	(13)	(14)
lesidential Programs			Projected Lost Revenues		cted Shared Savings Prog		Program Expe	nditures (C)	Lost Rever	ues	Shared Savings	2013 R	concillation	Rider Colle	ction (F)		ter Collection
	7/201	3 to 6/2014 (A)	7/2013 to 6/2014 (A)	7/2	2013 to 6/2014 (A) 7/20	13 to 6/2014 (B)	Gas	Electric	7/2013 to 6/20	14 (B) 7	/2013 to 6/2014 (B)	Gas (D)	Electric (E)	Gas	Electric	Gas (G)	Electric (H)
Appliance Recycling Program	\$	254,905	\$ 25,383	\$	51,900 \$	168,563 \$	- \$	168,563	\$ 4	4,179 1	37,058	61121-2-7		- 4 T			
Energy Efficiency Education Program for Schools	\$	160,841	\$ 13,197	5	(7,028) \$	129,104 \$	52,765 \$	76,339	\$	1,050 \$	(355)						
ow Income Neighborhood	\$	297,422	\$ 40,038	\$	7,460 \$	138,684 \$	- \$	138,684	\$ 3	1.020 \$	31,662						
ow Income Services	\$	669,888	\$ 19,932	\$	(29,790) \$	520,653 \$	205,908 \$	314,745	\$ 3	5.227 \$	(4,188)						
Ay Home Energy Report	\$	375,038	\$ 402,499	5	40,663 \$	605,663 \$	- 5	605,663	\$ 5	2.222	46,907						
Residential Energy Assessments	\$	167.774	\$ 14,909	5	12,819 \$	223,409 \$	80,066 \$	143,343	\$ :	4.080 1	51,063						
Residential Smart Saver®	\$	1,170,194	\$ 1,376,347	5	319,133 \$	1,511,814 \$	94 \$	1.511.720	\$ 1.6	15.324 \$	511,105						
Power Manager	\$	308,742	\$ -	\$	138,807 \$	776,700 \$	- 5	776,700	\$	- 1	85,821						
Personal Energy Report Program (I)			\$ .	5	- 5	- 5	- 5		\$ 1	4.535							
Home Energy Assistance Pilot Program (J)	\$	250,556	\$ .	\$	- 5	300,152 \$	126.224 \$	173,928		- 1				\$ 106,253	\$ 146,409		
Revenues collected except for HEA									and the second		Share and			\$ (2,446,433)			
Total	\$	3,655,362	\$ 1,892,305	\$	533,964 \$	4,374,741 \$	465,057 \$	3,909,684	\$ 2,4	87,637	\$ 759,073	\$ 1,748,956	\$ (813,874)	\$ (2,340,181)		\$ 4,554,194	\$ 2,945,12

(A) Amounts identified in report filed in Case No. 2012-00085.

(A) Amounts identised in report taics in Case No. 2012-00085.
(B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2013 through June 30, 2014.
(C) Allocation of program expenditures to gas and electric. Uses 63.5% gas based upon saturation of gas space heating.
(D) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.
(E) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.
(F) Revenues collected through the DSM Rider between July 1, 2013 and June 30, 2014.
(C) Order (S) Coherrol (S) Cohe

(r) revenues concluse unough the Column room centrem dury r, 2013 and dura 30, 2014.
(G) Column (5) + Column (6) - Column(11).
(H) Column (6) + Column (7) + Column (8) + Column (10) - Column(12).
(I) Personalized Energy Report is a legacy program which continues to collect lost revenues.
(d) Revenues and expenses for the Home Energy Assistance Pilot Program.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Commercial Programs	Projected Program Costs					Shared Savings	2013	Rider	(Over)/Under
	7/2013 to 6/2014 (A)	7/2013 to 6/2014 (A)	7/2013 to 6/2014 (A)	7/2013 to 6/2014 (B)			Reconciliation (C)	Collection (D)	Collection (E)
Smart \$aver® Custom	\$ 363,445	\$ 91,416	\$ 229,707	\$ 141,233	\$ 35,077	\$ 36,875			
Smart Saver® Prescriptive - Energy Star Food Service Pro	14,708	\$ 8,866	\$ 14,459	\$ 69,720	\$ 7,854	\$ 64,099			
Smart Saver® Prescriptive - HVAC	\$ 177,989	\$ 66,300	\$ 137,729	\$ 90,262	\$ 3,690	\$ 11,467			
Smart Saver® Prescriptive - Lighting	\$ 587,516	\$ 311,187	\$ 390,588	\$ 568,419	\$ 233,009	\$ 267,504			
Smart Saver® Prescriptive - Motors/Pumps/VFD	\$ 68,636	\$ 59,009	\$ 70,546	\$ 81,743	\$ 19,467	\$ 41,259			
Smart Saver® Prescriptive - Process Equipment	\$ 56	\$ 119	\$ 75	\$ 21,657	\$ 1,876	\$ 9,456			
Smart Saver@ Prescriptive - IT				\$ 95	\$ -	\$ (9)		- 1. Oct	
Total	\$ 1,212,347	\$ 536,898	\$ 843,108	\$ 973,129	\$ 300,973	\$ 430,650	\$ (1,669,697) \$	195,33	0 \$ (160,274)
Power Share®	\$ 815,415	\$ -	\$ 261,322	\$ 890,645	\$ -	\$ 294,543	\$ 801,314 \$	2,650,63	1 \$ (664,129)
Energy Management and Information Services (F)				\$ 1,883					

(A) Amounts identified in report filed in Case No. 2012-00085.

(v) remounts idenated in report listed in Case No. 2012-0005.
(B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2013 through June 30, 2014.
(C) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085
(D) Revenues collected through the DSM Rider between July 1, 2013 and June 30, 2014.
(E) Column (4) + Column (5) + Column (5) - Column (8)
(F) Discontinued pilot program does not receive cost recovery

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> Kentucky DSMRdder 2015-2006 Pagecied ProgramCoatts, Last.Revenues, andShared Savings

	<b>Residential Pro</b>	Residential Program Summary (A)	(4)									
	8	Lookt Basedonuna	A speed		覆	Allocation of Costs (1)			-	Buthet (Costs, Lost Revenues, 5 Shared Savings) Electric Can Costs	Cost Reve	nues, å
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Every Efficiency Externation Program for Schools		• ••		-	200,002	瀬平	LE	- 19				57,579
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Residential Smart Surred	5 10005.0005	-			2789,486		主	-	のの	2.7 History		17,979
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Their Costs. Net Lost Personans. Stand Strings.	\$ 3.4076.002	3.475,023 \$ 2345,965 \$ 388,920 \$		- 0	6. COLSCO			1,0001	3.040,094 \$	55866.00%		COLECO
from Ency Assessors Plat Program	1 252.255	10							*	146,417		103,200
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	A	Lost	Started Williams		1	Allocation of Costs (1)	(Costs (D)	Contri Contri		Budget (Costs, LostPervenues, & Shared Shvings) Breats	.ostReve Svings)	snues, å
Smart Saver® Custom	\$ 542,1463	••	•	\$ 813		100.0%	OUEV	% \$ 512.000	\$ 08	and some	Ň	A
Smark Same Rescription - Energy Star Purod Suproce Products	18 19 5		••	-	57,6528	10000	0.0		* (M)		19	
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#### Kentucky DSM Rider

Duke Energy Kentucky Demand Side Management Cost Recovery Rider (DSMR) Summary of Calculations for Programs

July 2015 to June 2016

	Program Costs (A)	
Electric Rider DSM		
Residential Rate RS	\$ 5,986,091	
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 4,253,782	
Transmission Level Rates & Distribution Level Rates Part B	\$ 1,091,621	
<u>Gas Rider DSM</u> Residential Rate RS	\$ 434,829	

(A) See Appendix B, page 2 of 5.

### Kentucky DSM Rider

Duke Energy Kentucky Demand Side Management Cost Recovery Rider (DSMR) Summary of Billing Determinants

Year	2015
Projected Annual Electric Sales kW	н
Rates RS	1,500.287,137
Rates DS, DP, DT, GS-FL, EH, & SP	2,403,218,077
Rates DS, DP, DT, GS-FL, EH, SP, & TT	2,643.552,077
Projected Annual Gas Sales CCF	

63,667,723

Rate RS

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### Kentucky DSNI Rober

Denard Side Management GastRecoveryReder(D SMR) Demard Side Management GastRecoveryReder(D SMR) Summary of Calculations

### July 2004 4 to June 200 15

Rates Schedule Refers		Taue-Up Amount (A)	F	Separatized Program Docta (ES)	All and a second	Totali (USSIO) Resounce Requirementes	Estimated Billing Determinants (C)		ICISHI GIA Rescuere	n Freedom (CDSHIP)	Original A DSM Cos Recovery	
Enclose Reduct OSMA Residential Radie INS	\$	2,948,088	\$	5386.091	\$	8,994,199	1500287,137	1200h	8	0.005955 (\$240)-	5	0000583 8 536000
Distributions Level Rations Part A CS. DP. DT. SSRL, BH & SP	\$	(160,435)	\$	4253.782	\$	4,093,347	2,403,218077	1000h	4	abath tob shioth	5	0.001703 \$2.00
Transmission Levelस्विकेड & Babilioution Levelस्विकेड Part B TT	5	(864,793)	\$	1,039 1,652 1	\$	426528	2,643.552,077	10005	8	ID. BORTEN SONDA		0.000161 \$3009
Satuladison Level Raines Total SS. DP, DT, SS-FL, EH & SP										DOCTORES SOLON		0.001365 53494
an Rober (1999) Residential Rober RS	\$	4359,748	\$	434 829	\$	4,993,577	63,667,723	CCF		VINTERAL STREET		0.081656 \$/CC
Total Recovery					\$	18,447,910						
Castomer Shatge for 1959, Program <u>Techin: No. 4</u> Residential Plate: RS					900 5	hual Revenues 146,417	Number of Custo 122,014	mers	'Monthly \$	Customer Charge 0.10		
<u>San Mao 5</u> Residential Rate RS					\$	105520	88,183		5	0.10		
Total Customer Charge Revenues					\$	252,255						
Total Recovery					\$	18,700,147						

(4) (QuelyChrider of Appendix B page 1 milliplied by the average three-month commands tapaper rate for 2013 to include interest on over or under-recovery in accordance with the Commission's order in Case No. 95-312. Value is: (E) Appendix B, page 2. (C) Appendix B, page 4. 1.001000

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						And the second second
	% of Total Res			% of Total Res	Elec % of Total % of Gas % of Total % of	
Residential Programs	kWh	Sales	ccf	Sales	Sales	Sales
Appliance Recycling Program	657,793	0.0433%		0.0000%	100%	0%
Energy Efficiency Education Program for Schools	225,486	0.0148%	7,368	0.0103%	59%	41%
Low Income Neighborhood	634,158	0.0417%		0.0000%	100%	0%
Low Income Services	251,243	0.0165%	7,771	0.0108%	60%	40%
My Home Energy Report	11,325,468	0.7449%		0.0000%	100%	0%
Residential Energy Assessments	411,489	0.0271%	10,855	0.0151%	64%	36%
Residential Smart \$aver®	13,428,091	0.8831%	40	0.0001%	100%	0%
Power Manager		0.0000%		0.0000%	100%	0%
Total Residential	26,933,728	1.7714%	26,044	0.0362%		
			at at the			
Total Residential (Rate RS) Sales For July 2013 Through June 2014	1,520,477,786	100%	71,881,990	100%		

\*Load Impacts Net of Free Riders at Meter

Allocation Factors based on July 2013-

#### KyPSC Case No. 2015-00277 STAFF-DR-02-001 Page 7 of 7

Allocation Factors Based on 2015-2016 Projection

Summary of Load Impacts July 2015 Through June 2016\*

### Allocation Factors Projected - Revised

		% of Total Res		% of Total Res	Elec % of Total % of Ga	s % of Total % of
Residential Programs	kWh	Sales	ocf	Sales	Sales	Sales
Appliance Recycling Program	225,426	0.0150%	-	0.0000%	100%	0%
Energy Efficiency Education Program for Schools	325,145	0.0217%	5,700	0.0090%	71%	29%
Low Income Neighborhood	529,200	0.0353%	-	0.0000%	100%	0%
Low Income Services	346,183	0.0231%	9,556	0.0150%	61%	39%
My Home Energy Report**	10,914,000	0.7275%		0.0000%	100%	0%
Residential Energy Assessments	442,852	0.0295%	11,198	0.0176%	63%	37%
Residential Smart \$aver®	2,040,557	0.1360%	1,458	0.0023%	98%	2%
Power Manager***	2 200	0.0000%		0.0000%	100%	0%
Total Residential	14,823,363	0.9880%	27,912	0.0438%		
Total Residential (Rate RS) Sales Projected	1,500,287,137	100%	63,667,723	100%		

\*Load impacts Net of Free Riders at Meter

### **STAFF-DR-02-002**

### **REQUEST:**

Refer to the response to Staff's First Request, Item 7. Explain whether the referral fees are reflected in the costs of Duke Kentucky's demand-side management ("DSM") portfolio.

### **RESPONSE:**

Referral fees are reflected in the costs of Duke Kentucky's DSM portfolio as a contraexpense to program costs of the Smart \$aver® Energy Efficient Residences Program, therefore reducing the overall cost to operate the program.

PERSON RESPONSIBLE: Mark Otersen

### **STAFF-DR-02-003**

### **REQUEST:**

Refer to the response to Staff's First Request, Item 8. Provide a copy of the contract, and a breakdown of how the costs are allocated to Duke Kentucky's DSM portfolio by program.

### **RESPONSE:**

The contract with the selected third-party vendor for the Smart \$aver® Energy Efficient Residences Program is currently being finalized. Duke Kentucky can provide a copy of the contract in a confidential submission with the Commission following execution by both the vendor and Duke Energy.

Program implementation services are jointly implemented with the Duke Energy Indiana, Duke Energy Ohio, Duke Energy Progress, and Duke Energy Carolinas territories to realize economies in administrative program costs and also to leverage program promotion. Program costs include fixed and variable with the total implementation services costs allocated to each territory based on projected annual participation across all applicable territories. Duke Energy Kentucky's allocated portion of the total projected participation is 3.3%.

PERSON RESPONSIBLE: Mark Otersen

### STAFF-DR-02-004

### **REQUEST:**

Refer to the response to Staff's First Request, Item 14. It states that common areas in multifamily buildings do not qualify for the residential program but can qualify for the Small Business Energy Saver Program and Duke Energy's Non Residential Savings Store. Explain whether these two qualifying programs are marketed by Franklin Energy to the multifamily property manager.

### **RESPONSE:**

Franklin Energy has been providing the property manager a leave-behind with information about the Non-Residential Savings Store.

A Small Business Energy Saver Program brochure specific to multifamily common area energy efficiency is currently being developed which is intended for future use by Franklin Energy. Also, Program cross-promotion and lead sharing strategies between the Multifamily Energy Efficiency Program and the Small Business Energy Saver Program are in development.

1

**PERSON RESPONSIBLE:** Trisha Haemmerle

### **STAFF-DR-02-005**

## **REQUEST:**

Refer to the response to Staff's First Request, Item 26.

- a. Explain whether Duke Kentucky has a signed contract with Thorpe Energy Services.
- b. If the answer to part a. is yes, provide a copy of the contract and a breakdown of how the costs are allocated to Duke Kentucky's DSM portfolio by program.

### **RESPONSE:**

a. Duke Kentucky has not signed a contract with Thorpe Energy Services for the Multifamily program. Thorpe Energy Services are contracted by Franklin Energy to conduct 3rd party quality assurance for the Multifamily program. Part of the vendor requirements when this program went to RFP was that the vendor have an independent third party, in this case Thrope Energy Services, conduct QA on 20% of the properties completing installation each month with the number of units at each property determined by the size of the property.

b. N/A

### **PERSON RESPONSIBLE:** Greg Schielke