FILE

BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of Duke Energy Ohio, Inc., for the Annual Audit of Rider SCR, Rider RE, Rider RC, Rider LFA, Rider ESSC, and Rider ECF.	))))	Case No. 17 -0028-EL-RDR

DUKE ENERGY OHIO, INC.'S APPLICATION FOR AUDIT OF RIDER SCR, RIDER RE, RIDER RC, RIDER LFA, AND RIDER ECF

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1. Duke Energy Ohio, Inc., (Duke Energy Ohio or the Company) is an Ohio corporation engaged in the business of supplying electric transmission, distribution, and generation service in Adams, Brown, Butler, Clinton, Clermont, Hamilton, Montgomery, and Warren Counties in Southwestern Ohio to approximately 362,000 consumers and supplying electric transmission and distribution service to approximately 348,000 customers who receive generation service from competitive retail electric service (CRES) providers.

2. Duke Energy Ohio is a "public utility," as defined by R.C. 4905.02 and 4905.03, and an "electric distribution company," "electric light company," electric supplier," and "electric utility," as defined by R.C. 4928.01.

3. In its Opinion and Order (Order) dated April 2, 2015 in Case No 14-841-EL-SSO, *et al.*, the Public Utilities Commission of Ohio (Commission) issued its Order approving Duke Energy Ohio's third Standard Service Offer (SSO) for the period beginning June 1, 2015,

through May 31, 2018.[1] The SSO was in the form of an electric security plan (ESP 3) in which the supply for competitive retail electric service for Duke Energy Ohio's SSO was to be procured through a competitive bidding process.[2] The Company's ESP 3, as approved by the Commission, was to be implemented through several formulaic yet discrete pricing components that were established as separate riders.[3]

4. The Commission's Order provided for review of the Company's various pricing terms during the term of the ESP 3, including audits and true-ups of Duke Energy Ohio's riders.[4] Several of these riders were subject to an annual review and audit conducted by the Staff of the Public Utilities Commission of Ohio (Staff).[5] By Entry dated May 13, 2015, the Commission clarified the process to be used for three types of annual filings that would occur during the term of ESP 3.[6] The Entry stated that for filings related to the riders approved in ESP 3, including the annual audits thereof, that such filing be made in a new rider docket using the case code RDR.[7]

5. As such, Duke Energy Ohio hereby submits this request for the Staff's audit of specific riders, consisting of the following: 1) Supplier Cost Reconciliation Rider (Rider SCR); 2) Retail Energy Rider (Rider RE); 3) Retail Capacity Rider (Rider RC); 4) Load Factor Adjustment Rider (Rider LFA); and 5) Economic Competitiveness Fund (Rider ECF)

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[1] *In the Matter of the Application of Duke Energy Ohio, Inc., for Authority to Establish a Standard Service Offer Pursuant to Section 4928.143, Revised Code, in the Form of an Electric Security Plan, Accounting Modifications, and Tariffs for Generation Service,* Case No. 14-841-EL-SSO, *et al.*, Order at 55*75 (April 2, 2015); and Entry at pg. 3 (May 13, 2015). The Commission's Entry directed the Company to file the various rider pricing components in a new rider docket using the case code RDR.
[2] *Id.*
[3] *Id.*
[4] *Id.*.
[5] *Id.*
[6] Entry at pg. 3
[7] *Id.*

(collectively the Riders). The calculation and audit of these five Riders are in accordance with prior similar filings, as well as in accordance with the Commission's Order and its subsequent Entry.[8]

6. In support of this filing, Duke Energy Ohio is submitting the various work papers and documents that support the calculation of these Riders:

   a. Attachment A supports the calculation of the quarterly rates effective in calendar year 2016 for Rider SCR. Attachment A contains confidential, proprietary, trade secret information and is therefore attached in redacted form. The confidential version of Attachment A is being filed, contemporaneously herewith, under seal with the Commission, together with a motion for a protective order.

   b. Attachment B includes the calculation for Rider LFA for calendar year 2016.

   c. Attachment C supports the calculation for Rider DR-ECF for calendar year 2016.

   d. Attachments D-1 and D-2 support the calculation of Rider RE and Rider RC for calendar year 2016.

Therefore, Duke Energy Ohio respectfully requests that the Commission to review and audit Duke Energy Ohio's Rider SCR, Rider RE, Rider RC, and Rider LFA,.

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[8] *In the Matter of the Application of Duke Energy Ohio, Inc., for Authority to Establish a Standard Service Offer Pursuant to Section 4928.143, Revised Code, in the Form of an Electric Security Plan, Accounting Modifications, and Tariffs for Generation Service,* Case No. 14-841-EL-SSO, *et al.*, Order at 55*75 (April 2, 2015); and Entry at pg. 3 (May 13, 2015).

Respectfully submitted,

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Duke Energy Ohio
Supplier Cost Reconciliation
Summary of SSO Supplier Costs/Revenue
Effective for the Period January 2016 through March 2016

Line	Description	Aug-15	Sep-15	Oct-15
1	Beginning Balance	[redacted]	[redacted]	[redacted]
2				
3	Revenue Associated with Riders RE and RC	30,123,537.91	26,908,048.60	20,303,882.44
4	less: FES PIPP included in RC & RE	-	-	-
5	Net RC / RE Revenue including CAT Tax	30,123,537.91	26,908,048.60	20,303,882.44
6	less: CAT tax	78,321.87	69,961.53	52,790.55
7	Net RC / RE Revenue excluding CAT Tax	30,045,216.04	26,838,087.07	20,251,091.89
8				
9	Cost of Supplying Generation Service	24,365,557.40	28,891,057.29	19,116,581.09
10	less: FES PIPP Payment	-	-	-
11	Auction Expenses	[redacted]	[redacted]	[redacted]
12	Supplier Default Costs	-	-	-
13	Audit Fees	-	-	-
14	Net expense for current month	[redacted]	[redacted]	[redacted]
15				
16	Net (revenue) / expense for current month	[redacted]	[redacted]	[redacted]
17				
18	Revenue Associated with Rider SCR	$ 330,905.49	$ 402,699.23	$ 408,263.44
19	less: FES PIPP included in SCR	-	-	-
20	Net SCR Revenue including CAT Tax	330,905.49	402,699.23	408,263.44
21	less: CAT tax	860.36	1,047.03	1,061.49
22	Net SCR Revenue excluding CAT Tax	330,045.13	401,652.20	407,201.95
23				
24	(Over) / Under Recovery for the month	[redacted]	[redacted]	[redacted]
25				
26	Ending Balance before Interest	[redacted]	[redacted]	[redacted]
27	Applicable Interest for the month @ 5.32% beg. May '13	16,706.11	8,373.25	8,823.74
28	Ending Balance	[redacted]	[redacted]	[redacted]
29	Projected Non-Switched Kwh Sales for Twelve Months ended September 2016			5,068,679,000
30	CAT Tax Rate			0.0026068
31	Rider SCR Charge (per Kwh)			$ 0.000249 $/kWh
32				
33				
34	Non-Bypassable Threshold Calculation			
35	(Over) / Under Recovery Balance			$ 1,256,978.83
36	Total SSO Revenue (Riders RE, RC, AER-R & RECON)			$ 290,267,564.24
37	Threshold Percentage			10%
38	Threshold Amount (Line 18 * Line 19)			$ 29,026,756.42
39	Variance			$ -
40	Rider SCR Bypassable Yes / No			YES

Duke Energy Ohio
Supplier Cost Reconciliation
Summary of SSO Supplier Costs/Revenue
Effective for the Period April 2016 through June 2016

Line	Description	Nov-15	Dec-15	Jan-16
1	Beginning Balance	[redacted]		
2				
3	Revenue Associated with Riders RE and RC	21,481,387.66	24,592,163.89	29,768,445.14
4	less: FES PIPP Included in RC & RE	-	-	-
5	**Net RC / RE Revenue including CAT Tax**	21,481,387.66	24,592,163.89	29,768,445.14
6	less: CAT tax	55,852.09	63,940.17	77,398.62
7	**Net RC / RE Revenue excluding CAT Tax**	21,425,535.57	24,528,223.71	29,691,046.52
8				
9	Cost of Supplying Generation Service	21,040,736.53	23,424,870.27	30,209,344.26
10	less: FES PIPP Payment	-	-	-
11	Auction Expenses	[redacted]		
12	Supplier Default Costs	-	-	-
13	Audit Fees	-	-	-
14	**Net expense for current month**	[redacted]		
15				
16	Net (revenue) / expense for current month	$ [redacted]	$ [redacted]	$ [redacted]
17				
18	Revenue Associated with Rider SCR	$ 438,362.36	$ 315,027.53	$ 336,752.53
19	less: FES PIPP included in SCR	-	-	-
20	**Net SCR Revenue including CAT Tax**	438,362.36	315,027.53	336,752.53
21	less: CAT tax	1,139.75	819.08	875.56
22	**Net SCR Revenue excluding CAT Tax**	437,222.61	314,208.45	335,876.97
23				
24	**(Over) / Under Recovery for the month**	[redacted]		
25				
26	Ending Balance before Interest	[redacted]		
27	Applicable Interest for the month @ 5.32% beg. May '13	3,753.84	(690.59)	(2,607.04)
28	**Ending Balance**	[redacted]		
29	Projected Non-Switched Kwh Sales for Twelve Months ended March 2017			5,072,079,000
30	CAT Tax Rate			0.0026068
31	Rider SCR Charge (per Kwh)			$ (0.000084) $/kWh
32				
33				
34	Non-Bypassable Threshold Calculation			
35	(Over) / Under Recovery Balance			$ (426,247.05)
36	Total SSO Revenue (Riders RE, RC, AER-R & RECON)			$ 300,164,922.39
37	Threshold Percentage			10%
38	Threshold Amount (Line 18 * Line 19)			$ 30,016,492.24
39	Variance			$ -
40	Rider SCR Bypassable Yes / No			YES

Duke Energy Ohio
Supplier Cost Reconciliation
Summary of SSO Supplier Costs/Revenue
Effective for the Period July 2016 through September 2016

Line Description	Feb-16	Mar-16	Apr-16
1 Beginning Balance	[redacted]		
2			
3 Revenue Associated with Riders RE and RC	26,635,992.34	22,093,133.47	21,834,033.34
4 less: FES PIPP included in RC & RE	-	-	-
5 **Net RC / RE Revenue including CAT Tax**	26,635,992.34	22,093,133.47	21,834,033.34
6 less: CAT tax	69,254.17	57,442.64	56,768.97
7 **Net RC / RE Revenue excluding CAT Tax**	**26,566,738.17**	**22,035,690.83**	**21,777,264.37**
8			
9 Cost of Supplying Generation Service	29,755,327.18	21,192,686.37	22,155,030.86
10 less: FES PIPP Payment	-	-	-
11 Auction Expenses	[redacted]	[redacted]	[redacted]
12 Supplier Default Costs	-	-	-
13 Audit Fees	-	-	-
14 **Net expense for current month**	[redacted]		
15			
16 Net (revenue) / expense for current month	[redacted]		
17			
18 Revenue Associated with Rider SCR	$ (96,007.09)	$ 36,229.80	$ (28,012.92)
19 less: FES PIPP included in SCR	-	-	-
20 **Net SCR Revenue including CAT Tax**	(96,007.09)	36,229.80	(28,012.92)
21 less: CAT tax	(249.62)	94.20	(72.83)
22 **Net SCR Revenue excluding CAT Tax**	**(95,757.47)**	**36,135.60**	**(27,940.09)**
23			
24 **(Over) / Under Recovery for the month**	[redacted]		
25			
26 Ending Balance before Interest	[redacted]		
27 Applicable Interest for the month @ 5.32% beg. May '13	5,392.40	10,870.10	10,033.11
28 **Ending Balance**	[redacted]		
29 Projected Non-Switched Kwh Sales for Twelve Months ended June 2017			5,071,239,000
30 CAT Tax Rate			0.0026068
31 Rider SCR Charge (per Kwh)			$ 0.000491 $/kWh
32			
33			
34 Non-Bypassable Threshold Calculation			
35 (Over) / Under Recovery Balance			$ 2,485,877.19
36 Total SSO Revenue (Riders RE, RC, AER-R & RECON)			$ 308,004,859.95
37 Threshold Percentage			10%
38 Threshold Amount (Line 18 * Line 19)			$ 30,800,485.99
39 Variance			$ -
40 Rider SCR Bypassable Yes / No			YES

Duke Energy Ohio
Supplier Cost Reconciliation
Summary of SSO Supplier Costs/Revenue
Effective for the Period October 2016 through December 2016

Line	Description	May-16	Jun-16	Jul-16	
1	Beginning Balance	[redacted]			
2					
3	Revenue Associated with Riders RE and RC	20,299,375.01	28,363,109.77	32,471,963.98	
4	less: FES PIPP included in RC & RE	-	-	-	
5	**Net RC / RE Revenue including CAT Tax**	20,299,375.01	28,363,109.77	32,471,963.98	
6	less: CAT tax	52,778.83	73,744.72	84,427.83	
7	**Net RC / RE Revenue excluding CAT Tax**	**20,246,596.18**	**28,289,365.05**	**32,387,536.15**	
8					
9	Cost of Supplying Generation Service	19,988,138.62	30,078,719.66	29,849,072.78	
10	less: FES PIPP Payment	-	-	-	
11	Auction Expenses	[redacted]			
12	Curtailment Energy Credit	-	-	(1,010.58)	
13	Audit Fees	-	-	-	
14	**Net expense for current month**	[redacted]			
15					
16	Net (revenue) / expense for current month	[redacted]			
17					
18	**Revenue Associated with Rider SCR**	(27,230.00)	91,050.62	252,293.73	
19	less: FES PIPP included in SCR	-	-	-	
20	**Net SCR Revenue including CAT Tax**	(27,230.00)	91,050.62	252,293.73	
21	less: CAT tax	(70.80)	236.73	655.97	
22	**Net SCR Revenue excluding CAT Tax**	**(27,159.20)**	**90,813.88**	**251,637.76**	
23					
24	**(Over) / Under Recovery for the month**	[redacted]			
25					
26	Ending Balance before interest	[redacted]			
27	Applicable interest for the month @ 5.32% beg. May '13	11,061.09	15,421.27	13,656.42	
28	**Ending Balance**	[redacted]			
29	Projected Non-Switched Kwh Sales for Twelve Months ended June 2017			5,087,248,000	
30	CAT Tax Rate			0.0026068	
31	Rider SCR Charge (per Kwh)			$ 0.000338	$/kWh
32					
33					
34	Non-Bypassable Threshold Calculation				
35	(Over) / Under Recovery Balance			$ 1,717,209.73	
36	Total SSO Revenue (Riders RE, RC, AER-R & RECON)			$ 309,246,320.08	
37	Threshold Percentage			10%	
38	Threshold Amount (Line 18 * Line 19)			$ 30,924,632.01	
39	Variance			$ -	
40	Rider SCR Bypassable Yes / No			YES	

DUKE ENERGY OHIO
Historical LFA data
General Ledger History

GL History		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	GL Balance
	2012	$507,841.24	($1,579,457.00)	($1,223,469.49)	($967,658.66)	($691,152.35)	$564,256.42	$1,823,947.85	$1,495,985.75	$848,619.82	($537,529.37)	($950,113.61)	($35,234.43)	
	2013	$52,539.82	($1,102,005.44)	($993,148.00)	($532,534.80)	($1,256,187.22)	$32,159.21	$1,391,756.60	$2,318,956.97	$1,619,897.12	$640,238.30	($756,461.45)	$827,380.41	
	2014	$1,052,555.16	($385,344.38)	($524,703.68)	$153,497.06	$175,364.43	$1,382,905.77	$1,392,168.56	$540,223.61	$1,955,070.31	($1,186,645.54)	($2,483,359.94)	($132,543.06)	
	2015	($100,727.27)	($1,899,974.82)	($343,824.45)	($1,296,796.96)	($692,034.88)	($110,909.55)	$452,488.01	$235,853.55	$454,001.39	($403,660.22)	($579,753.36)	$20,663.19	
	2016	($153,912.87)	($665,191.99)	($604,841.07)										
GL Total		$1,358,296.08	($5,631,973.63)	($3,689,986.69)	($2,643,493 36)	($2,464,010.02)	$1,868,411.85	$5,060,361.02	$4,591,019.88	$4,877,588.64	($1,487,596.83)	($4,769,688.36)	$680,266.11	($2,250,805.31)
GL Avg		$271,659.22	($1,126,394 73)	($737,997.34)	($660,873.34)	($616,002.51)	$467,102.96	$1,265,090.26	$1,147,754.97	$1,219,397.16	($371,899.21)	($1,192,422.09)	$170,066.53	
CMS		($271,659 22)	$1,126,394.73	$737,997.34	$660,873.34	$616,002.51	($467,102.96)	($1,265,090.26)	($1,147,754.97)	($1,219,397.16)	$371,899.21	$1,192,422.09	($170,066.53)	

Current Balance	$2,250,805.31	
Apr-16	$660,873.34	
May-16	$616,002.51	
Jun-16	($467,102 96)	
Jul-16	($1,265,090.26)	
Aug-16	($1,147,754.97)	
Sep-16	($1,219,397 16)	
Oct-16	$371,899.21	
Nov-16	$1,192,422.09	
Dec-16	($170,066.53)	
Jan-17	($271,659.22)	
Feb-17	$1,126,394.73	
Mar-17	$737,997.34	
Apr-17	$660,873.34	
May-17	$616,002.51	
total	$3,692,199.27	(projected debit variance)

RATES	Current
kW	$2.72
kWh	($0.006634)

DUKE ENERGY OHIO

DEO Forecast Data April 2016 - May 2017

	DS		DP		TS	
	kW	kWh	kW	kWh	kW	kWh
Apr-16	84,907	27,441,640	470,092	192,775,113	549,958	270,451,261
May-16	81,942	27,289,754	483,894	202,086,415	524,299	266,314,571
Jun-16	84,305	30,261,435	471,170	216,544,313	536,069	284,612,699
Jul-16	84,862	31,835,687	487,708	235,235,583	532,253	280,099,728
Aug-16	82,904	31,419,621	487,712	229,892,983	517,313	291,616,542
Sep-16	86,553	31,458,999	508,315	226,557,714	536,288	280,521,405
Oct-16	86,049	28,220,685	493,238	203,480,805	537,755	262,184,377
Nov-16	82,678	27,310,642	468,960	190,534,903	517,987	256,817,210
Dec-16	88,063	30,707,424	486,439	191,648,630	554,070	255,151,165
Jan-17	95,947	32,312,330	471,971	192,871,034	522,076	268,946,969
Feb-17	108,652	32,578,304	475,191	190,844,953	505,439	247,468,711
Mar-17	61,523	26,699,332	508,487	201,658,588	506,478	262,446,215
Apr-17	84,918	27,445,141	469,681	192,601,180	550,067	270,486,160
May-17	81,827	27,251,275	482,784	201,611,811	523,826	266,068,907
		412,232,269		2,868,344,025		3,763,185,920

total kWh	7,043,762,214

DUKE ENERGY OHIO
LFA Rider Credit Calculation Adjustment

Forecasted kWh	Forecasted Credit	Calculated Adjustment	Current Rate	Adjusted Rate
7,043,762,214	($3,692,199.27)	-0.000524	-0.006634	-0.007158

Duke Energy Ohio Electric
Calculation of Economic Competitiveness Fund Rate

Line	Description	Amount	kWh Sales	Unit Rate ($/kWh)
1	True Up ECF Balance through May 31, 2015	$1,613,634		
2	Actual ECF Balance through February 28, 2016	($1,997,395)		
3	Projected ECF May 2016	$0		
4	Calculated ECF Rate	($383,761)	1,484,759,678	($0.000258)
5	CAT Tax			1.0026068
6	Rider ECF Rate including CAT Tax			($0.000259)

Duke Energy Ohio
Calculation of Rider ECF Rates

		TRUE UP											
		June 2012	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012	January 2013	February 2013	March 2013	April 2013	May 2013
	kWh Sales												
1	RES												
2	COM												
3	IND												
4	OPA												
5	STL												
6	ITD												
7	Total kWh	-	-	-	-	-	-	-	-	-	-	-	-
8	Monthly Recovery	($15,342)	($18,526)	($17,604)	($17,156)	$1,657,361	($17,176)	$1,663,759	$642,482	$565,850	$508,140	($124,172)	$66,358

Actual												
June 2013	July 2013	August 2013	September 2013	October 2013	November 2013	December 2013	January 2014	February 2014	March 2014	April 2014	May 2014	
												-
												-
												-
												-
												-
												-
												-
-	-	-	-	-	-	-	-	-	-	-	-	-
$22,103	($111,684)	($138,219)	($73,362)	($4,940)	($24,281)	($81,015)	($192,673)	($42,896)	($66,970)	$17,651	$27,029	

Actual											
June 2014	July 2014	August 2014	September 2014	October 2014	November 2014	December 2014	January 2015	February 2015	March 2015	April 2015	May 2015
-	-	-	-	-	-	-	-	-	-	-	-
($42,118)	($289,517)	($361,071)	($355,209)	($245,452)	($227,197)	($314,448)	($363,987)	($10,235)	($544,805)	($124,577)	$267,533

Actual										Projected			Projection Total	Grand
June 2015	July 2015	August 2015	September 2015	October 2015	November 2015	December 2015	January 2016	February 2016		March 2016	April 2016	May 2016		Total
575,005,892	661,828,728	692,584,777	640,887,359	457,764,812	429,302,300	571,446,201	711,207,098	672,457,570	5,412,453,737			430,728,010.96	430,728,011	430,728,011
561,007,768	589,348,739	580,480,407	682,898,001	503,509,628	472,585,122	521,484,197	548,526,170	516,298,687	4,876,118,719			498,678,168.89	498,678,169	498,678,169
443,547,986	457,400,838	455,587,746	451,108,158	426,888,939	425,317,788	430,686,993	412,210,667	419,397,229	3,921,124,322			431,675,902.91	431,675,903	431,675,903
116,140,486	120,365,446	118,822,748	127,017,073	108,099,400	103,211,656	102,662,128	105,605,383	102,188,402	1,004,102,721			115,771,810.44	115,771,810	115,771,810
6,391,307	7,959,984	7,474,512	7,488,178	8,735,462	7,234,462	8,184,079	7,474,523	7,393,348	66,313,825			7,540,720.36	7,540,720	7,540,720
383,767	277,530	257,734	268,480	258,049	254,402	290,313	284,500	243,689	2,498,444			365,064.49	365,064	365,064
1,702,457,205	1,837,181,245	1,855,207,924	1,809,625,229	1,502,224,280	1,437,885,708	1,634,742,911	1,785,308,341	1,717,978,925	15,282,611,768	-	-	1,484,759,678	1,484,759,678	1,484,759,678
($244,785)	($261,661)	($247,583)	($235,291)	($200,806)	($201,185)	($217,416)	($240,130)	($148,537)	($1,997,395)		$0	$0	$0	

Duke Energy Ohio
Summary of Monthly Recovery

	True-Up												
	June 2012	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012	January 2013	February 2013	March 2013	April 2013	May 2013	Total
Monthly Capacity Credit Payments	$0.00	$0.00	$0.00	$0.00	$1,675,887.02	$0.00	$1,681,393.65	$661,023.47	$582,090.35	$525,759.02	$582,090.35	$563,313.25	$6,271,557.11
Monthly OEG PJM Payment	$1,690.26	$4,419.03	$3,497.67	$3,504.15	$4,419.14	$3,524.70	$3,527.95	$4,434.79	$3,499.02	$3,512.70	$4,409.41	$3,507.07	$43,945.89
Monthly FRR PJM Payment	$13,651.68	$14,106.74	$14,106.74	$13,651.68	$14,106.74	$13,651.68	$14,106.74	$14,106.74	$12,741.56	$14,106.73	$13,651.68	$14,106.74	$166,095.45
Total Monthly PJM Payments	$15,341.94	$18,525.77	$17,604.41	$17,155.83	$18,525.88	$17,176.38	$17,634.69	$18,541.53	$16,240.58	$17,619.43	$18,061.09	$17,613.81	$210,041.34
ECF Rider Revenue	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$688,201.00	$479,341.00	$1,167,542.00

	Actual												
	June 2013	July 2013	August 2013	September 2013	October 2013	November 2013	December 2013	January 2014	February 2014	March 2014	April 2014	May 2014	Total
Total Monthly OEG Payments	$605,622.62	$560,298.22	$515,880.09	$529,268.02	$546,910.28	$529,268.02	$546,910.28	$546,910.28	$546,910.28	$493,983.48	$546,910.28	$529,268.03	$6,498,199.89
Monthly PJM Payment	$5,470.69	$10,104.97	$8,041.56	$10,099.81	$8,047.62	$28,494.91	$10,163.05	$8,943.11	$8,076.96	$8,941.24	$8,635.85	$8,923.75	$123,943.52
Monthly PJM Payment	$19,430.78	$39,345.44	$29,869.88	$28,906.34	$29,869.88	$28,906.34	$29,869.88	$29,869.88	$26,979.25	$29,869.88	$28,906.34	$29,869.88	$351,693.77
Total Monthly PJM Payments	$24,901.47	$49,450.41	$37,911.44	$39,006.15	$37,917.50	$57,401.25	$40,032.93	$38,812.99	$35,056.21	$38,811.12	$37,542.19	$38,793.63	$475,637.29
ECF Rider Revenue	$558,618.00	$622,532.00	$616,188.00	$563,624.00	$513,933.00	$496,148.00	$587,892.46	$700,770.00	$554,750.00	$522,142.00	$491,717.36	$463,445.06	$6,691,759.88

	Actual												
	June 2014	July 2014	August 2014	September 2014	October 2014	November 2014	December 2014	January 2015	February 2015	March 2015	April 2015	May 2015	Total
Total Monthly OEG Payments	$546,910.28	$323,628.51	$280,573.04	$217,598.73	$271,522.29	$280,573.04	$271,522.59	$280,573.04	$523,850.30	$10,143.55	$280,573.04	$552,095.33	$3,839,563.74
Monthly PJM Payment	$38,619.59	$39,879.91	$39,894.19	$38,607.10	$39,904.70	$38,617.44	$25,777.90	$36,031.42		$36,014.79	$45,066.22	$72,033.87	$450,447.13
Monthly PJM Payment													$0.00
Total Monthly PJM Payments	$38,619.59	$39,879.91	$39,894.19	$38,607.10	$39,904.70	$38,617.44	$25,777.90	$36,031.42	$0.00	$36,014.79	$45,066.22	$72,039.87	$450,447.13
ECF Rider Revenue	$550,409.15	$573,265.10	$601,749.92	$534,200.44	$477,069.18	$469,152.30	$560,192.72	$608,528.87	$554,085.24	$518,933.98	$360,083.86	$212,528.72	$6,000,199.48

	Actual												Total	To Be Collected
	June 2015	July 2015	August 2015	September 2015	October 2015	November 2015	December 2015	January 2016	February 2016	March 2016	April 2016	May 2016		
Total Monthly OEG Payments	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$16,609,260.74
Monthly PJM Payment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$618,336.54
Monthly PJM Payment													$0.00	$517,789.22
Total Monthly PJM Payments	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,136,125.76
ECF Rider Revenue	$244,785.34	$261,661.06	$247,583.33	$235,290.51	$200,806.04	$201,185.37	$217,415.76	$240,130.41	$148,536.86	-$187,791.44			$1,809,603.24	$15,669,104.60

-$195,969.62 OVERCOLLECT

DUKE ENERGY OHIO
CASE NO. 16-940-EL-UNC (PIPP RFP)
CASE NO. 15-6000-EL-UNC (SSO AUCTION)
CALCULATION OF PIPP RATES

		% Auctioned (a)	Price (b)	Total (c)	
1	Auction 1	34%	$57.60	$19.58	
2	Auction 1	32%	59.17	18.93	
3	Auction 2	17%	49.86	8.48	
4	Previously Auctioned Load				
5	Weighted-Avg Price for Previously Auctioned Load	83%		$56.62	Wtd Avg of All Auctions Before PIPP-Only Auction
6	Last SSO Auction Excluding PIPP	17%	$48.34	$8.22	
7	Weighted Average SSO Price (All Classes)			$55.21	Wtd Average of what ALL customers will pay at wholesale
8	Resulting RS rate (after 5 CP allocations and rate design, converted to wholesale)			$56.08	Wtd Average of what RS customers will pay at wholesale - Page 2
9	Scale up Prior Auction Average for RS	83%		$57.51	Convert 83% Price for ALL SSO to RS rates
10	PIPP Only Auction	17%		$44.98	RFP Price At Wholesale Level
11	Weighted-Average PIPP Price At Wholesale			$55.38	83% of SSO Price for RS from all prior auctions plus 17% of PIPP-only auction
12	Ratio of Wtd-Avg PIPP Price to Average RS Price at Wholesale			98.8%	To be applied to all RC and RE Blocks
13	Convert PIPP Price At Wholesale to Retail			$59.40	Row 11 adjusted upward for losses and CAT
14	Average RS Retail Rate June 2017-May2017 Delivery			$60.15	From Page 2
15	Ratio of Wtd-Avg PIPP Price to Average RS Price at Retail			98.8%	To be applied to all RC and RE Blocks

DUKE ENERGY OHIO
CASE NO. 16-940-EL-UNC (PIPP RFP)
CASE NO. 15-6000-EL-UNC (SSO AUCTION)
CALCULATION OF PIPP RATES

		From Case No. 15-6000-EL-UNC				
		Allocated SSO Costs [a]		Rate Calculations [b]		
	Annual RS MWh	Rider RC	Rider RE	Rider RC	Rider RE	RC + RE
Summer, First 1000 kWh	1,948,552,006	$20,563,751	$101,734,005	$0.010553	$0.052210	$0.062763
Summer, Additional kWh	919,858,852	9,707,592	48,160,442	$0.010553	$0.052356	$0.062909
Winter, First 1000 kWh	3,727,793,923	39,340,713	194,628,321	$0.010553	$0.052210	$0.062763
Winter, Additional kWh	1,028,691,123	5,695,930	38,834,640	$0.005537	$0.037752	$0.043289
Total All RS Sales	7,624,895,903	$75,307,986	$383,357,408		Weighted-Average ------>	$0.060154
Remove CAT Taxes						$0.059998
Remove T&D Losses						$0.056081

Note: [a] Allocated Revenue Requirement grossed up for 'distribution losses factor is 3.552%; transmission loss factor is 3.314%; and Commercial Activities Tax 0.26068%.
[b] Ties to tariffs for Rider RC and RE.

PIPP Rider RC and RE Rates June 2016 - May 2017	Standard Rates		PIPP Rates - 98.8% of Standard Rates		
	Rider RC	Rider RE	Rider RC	Rider RE	RC + RE
Rate RS - PIPP					
Summer, First 1000 kWh	$0.010553	$0.052210	**$0.010426**	**$0.051583**	**$0.062010**
Summer, Additional kWh	$0.010553	$0.052356	**$0.010426**	**$0.051728**	**$0.062154**
Winter, First 1000 kWh	$0.010553	$0.052210	**$0.010426**	**$0.051583**	**$0.062010**
Winter, Additional kWh	$0.005537	$0.037752	**$0.005471**	**$0.037299**	**$0.042770**
Rate ORH, Optional Residential Service - PIPP					
Summer, First 1000 kWh	$0.009418	$0.048504	**$0.009305**	**$0.047922**	**$0.057227**
Summer, Additional kWh	$0.009418	$0.044115	**$0.009305**	**$0.043585**	**$0.052891**
Summer, kWh greater than 150 times demand	$0.009418	$0.044115	**$0.009305**	**$0.043585**	**$0.052891**
Winter, First 1000 kWh	$0.009418	$0.048503	**$0.009305**	**$0.047921**	**$0.057226**
Winter, Additional kWh	$0.003973	$0.034176	**$0.003926**	**$0.033766**	**$0.037691**
Winter, kWh greater than 150 times demand	$0.002970	$0.032421	**$0.002934**	**$0.032032**	**$0.034966**

Duke Energy Ohio
Methodology for Calculating Average Riders RC and RE

	Month	Auction 1 Jun 15-May 16 34%	Auction 1 Jun 15-May 17 34%	Auction 1 Jun 15-May 18 32%	Auction 2 Jun 16-May 18 17%	Auction 3 Jun 16-May 18 17%	Auction 4 Jun 17-May 18 17%	Auction 5 Jun 17-May 18 17%	Total [1]	RC [2] From Page 2	RE
Auction 1	May 2015										
Auction 2 Auction 3	[redacted]						June 2015 - May 2016				
	Jun		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	Jul		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	Aug		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	Sep		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	Oct		57.60	59.17	49.86	48.34	June 2016 - May 2017		55.21	8.32	46.89
Auction 4	Nov		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	Dec		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	Jan 2017		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	Feb		57.60	59.17	49.86	48.34			55.21	8.32	46.89
Auction 5	Mar		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	Apr		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	May		57.60	59.17	49.86	48.34			55.21	8.32	46.89
	[redacted]						June 2017 - May 2018		To Be Determined		

NOTE: [1] Ultimate prices for each delivery period will be the weighted-average of all tranches auctioned for the applicable delivery period.
[2] Average capacity prices, BEFORE LOSSES, as calculated on page 2.

Duke Energy Ohio
Allocations of Capacity Costs for Rate Design - June 2016 - May 2017

No	Description	Allocation of Rider RC Revenue Requirement			
		Percent of Total	Allocated $	Allocated $ Plus CAT [2]	PJM 5CP Demand [1]
		From Page 3a			From Page 3a
	Rate Schedule:				
1	Residential (RS, TD, ORH)	41.36%	$76,164,003	$76,362,548	1,389,105
3	Secondary Distribution - Small (DM)	3.40%	$6,269,924	$6,286,268	114,353
5	Secondary Distribution (DS)	33.68%	$62,032,454	$62,194,160	1,131,369
6	Primary Distribution (DP)	9.61%	$17,704,846	$17,750,999	322,907
7	Transmission Voltage (TS)	11.90%	$21,909,669	$21,966,783	399,596
8	*Lighting*	0.05%	$83,989	$84,208	1,532
9	Total	100.00%	$184,164,885	$184,644,966	3,358,862

From Page 2

[1] Class demand at the retail level at the time of the five PJM peaks.

[2] CAT factor is 1.0026068.

DUKE ENERGY OHIO
JUNE 2016 - MAY 2017 CAPACITY PRICES FROM AUCTION [1]

	June 2016 - May 2017 Forecast kWh; kW; kVA	Revenue June 2016 - May 2017 Rates	Allocation Factor	June 2016 - May 2017 Allocated Cap Cost	Allocated Revenue	Rates ($/kWh; kW; kVA)	Forecast June 16 - May 17	Case No. [illegible]
Rates RS, RS3P, and RSLI, Residential Service				$78,382,548				
Summer, First 1000 kWh	1,344,863,586	$23,220,910	28.826%		$38,383,734	$0.010643	7,634,465,563	1,794,322,031
Summer, Additional kWh	818,834,832	14,831,404	14.897%		8,768,863	$0.010553		947,851,040
Winter, First 1000 kWh	3,727,783,923	$44,423,238	51.519%		38,348,713	$0.010543		3,432,723,046
Winter, Additional kWh	1,026,861,123	2,841,238	6.396%		5,885,936	$0.005337		847,288,121
Rate ORH, Optional Residential Service								
Summer, First 1000 kWh	761,877	24,558	0.016%		37,362	$0.000416	7,070,251	794,844
Summer, Additional kWh	461,363	4,376	0.040%		6,511	$0.000416		533,166
Summer, kWh greater than 150 hours demand	497,276	6,866	0.007%		4,603	$0.000416		448,301
Winter, First 1000 kWh	1,802,706	28,328	0.023%		17,979	$0.000416		1,719,308
Winter, Additional kWh	2,022,711	6,201	0.040%		4,627	$0.000073		1,823,483
Winter, kWh greater than 150 times demand	1,174,846	1,822	0.002%		1,458	$0.002070		1,656,946
Rate TD, Optional Time-of-Day Rate								
Summer, On-Peak kWh	40,716	$1,261	0.001%		$1,112	$0.027318	428,704	39,361
Summer, Off-Peak kWh	168,884	186	0.000%		154	$0.001800		163,868
Winter, On-Peak kWh	64,369	1,522	0.002%		1,342	$0.020848		83,184
Winter, Off-Peak kWh	218,847	373	0.000%		329	$0.001501		214,880
Rate TD-13, Optional Time-of-Day Rate								
Summer, On-Peak kWh	218,343	$18,548	0.016%		11,861	$0.054225	8,148,771	220,861
Winter, On-Peak kWh	483,287	$4,677	0.028%		24,386	$0.050481		466,665
Off-Peak kWh	8,438,861	$46,732	0.060%		29,539	$0.003504		8,032,868
Rate CUR, (Rev. Class 41, 42, 44, 15 & 16 only)								
Summer, First 1000 kWh	18,686,414	$287,858	0.360%		$287,418	$0.016428	92,979,378	18,666,414
Summer, Additional kWh	7,802,789	124,047	0.127%		81,346	$0.010425		7,388,823
Winter, First 1000 kWh	48,360,249	803,163	0.718%		380,884	$0.010423		45,672,248
Winter, Additional kWh	17,163,867	53,272	0.087%		152,187	$0.008858		18,281,888
Rate DS, Secondary Distribution Voltage				102,194,190				
First 150 kWh per kW	3,466,878,306	$71,616,173	67.880%		$54,843,709	$0.015885	6,549,147,433	2,860,893,180
Next 150 kWh per kW	2,253,743,836	6,798,388	3.188%		3,068,873	$0.002382		2,228,670,314
Next 150 kWh per kW	1,122,488,882	1,870,788	2.884%		1,271,379	$0.001133		1,108,988,734
Additional kWh	279,358,271	138,753	0.187%		104,082	$0.000377		272,880,477
Rate GS-FL, Optional Unmetered								
With Greater Than or Equal to 540 Hours	27,883,034	$306,086	0.447%		277,813	$0.009985	29,528,168	29,081,884
With Less Than 540 Hours	57,132	885	0.001%		630	$0.011527		56,430
Rate EPL-ADPL, Optional Unmetered								
All kWh	313,988	$4,307	0.009%		4,380	$0.009935		517,848
Rate EH, Optional Electric Space Heating								
All kWh	74,420,520	$1,042,222	1.275%		793,476	$0.010657		69,443,303
Rate DM, Secondary Dist. Service, Small				38,288,288				
Summer, First 2800 kWh	175,161,788	$2,748,228	22.794%		$1,711,868	$0.010800	473,393,012	157,485,841
Summer, Next 3200 kWh	33,312,391	83,760	0.946%		338,124	$0.010088		30,648,781
Summer, Additional kWh	4,538,404	(3,838)	-0.004%		38,488	$0.008486		8,013,368
Winter, First 2800 kWh	318,457,247	3,478,238	66.462%		3,868,788	$0.010000		292,874,352
Winter, Next 3200 kWh	30,198,004	67,294	0.007%		381,086	$0.010000		22,378,844
Winter, Additional kWh	4,830,300	(8,894)	-0.007%		38,278	$0.008464		7,835,800
Rate DP, Service at Primary Dist. Voltage				$17,780,180				
First 150 kWh per kW	778,884,886	$18,865,380	87.820%		$15,586,440	$0.020036	3,241,785,672	787,888,380
Next 150 kWh per kW	714,156,186	1,872,247	7.911%		1,404,287	$0.001855		708,878,808
Next 150 kWh per kW	882,540,976	788,488	2.721%		885,448	$0.001195		548,491,737
Additional kWh	183,892,336	114 148	0.540%		86,657	$0.000487		180,384,033
Rate TS, Service at Transmission Voltage				$21,888,783				
First 150 kWh per kVA	883,248 286	$28,165,152	84.181%		312,831,748	$0.019180	3,447,887,538	856,848,112
Next 150 kWh per kVA	818,430,333	2,138,720	8.157%		2,887,880	$0.003185		811,287,444
Next 150 kWh per kVA	883,548,228	1,328,887	5.177%		1,128,174	$0.001276		878,878,845
Additional kWh	723,423,734	372,888	1.858%		341 771	$0.000473		716,729,886
Rate TL, Traffic Lighting Service				$84,288				
All kWh	13,438,888	$148,088	11.498%		84,830	$0.000714		18,188,888
Rate SL, Street Lighting Service	37,328,142	$880,848	31.830%		$43,975	$0.001148		38,887,828
Rate OL, Outdoor Lighting Service	18,883,718	$347,848	28.448%		22,888	$0.001145		20,317,883
Rate NSU, Street Lighting	822,287	$17,482	1.348%		1,135	$0.001140		1,828,862
Rate NSP, Private Outdoor Lighting	1,378,882	$22,791	1.753%		1,478	$0.001142		1,338,788
Rate SE, Street Lighting Service	4,827,814	$44,867	6.338%		8,438	$0.001148		4,887,438
All kWh								
Rate SC, Street Lighting								
Energy Only - All kWh	18,480,453	$3,410	8.130%		$147	$0.000029	18,817,288	20,885,348
Units - All kWh	188,747	2,844	8.221%		188	$0.001143		188,837
Rate UOLS, Unmetered Outdoor Lighting								
All kWh	17,834,781	$8,388	0.648%		$844	$0.000031		18,888,247
Totals	30,064,029,617	$221,469,749		$184,844,964	$184,844,988			29,817,887,343
				CHECK				

Note [1] Final figures include applicable CAT

Duke Energy Ohio
Summary Revenue and Cost Calculation - Model Verification

Blended Clearing Price Jun 2016 Through May 2017			$55.212400
MWh At Bus Jun 2016 Through May 2017	22,128,924,068		22,128,924
Payments To Auction Providers			$1,221,791,007

[redacted]

	Retail kWh	RE Rate	
Rider RC Revenue			$184,644,966
Rider RE Revenue			
Residential (RS, TD, ORH, CUR, TD-13)	7,734,465,948	$0.050295	$389,008,636
Electric Space Heating (EH)	74,420,820	$0.050295	$3,743,030
Secondary Distribution - Small (DM)	573,203,012	$0.050295	$28,829,518
Unmetered Small Fixed Load (GSFL, ADPL)	28,334,166	$0.050295	$1,425,080
Secondary Distribution (DS)	6,549,147,433	$0.050295	$329,392,479
Primary Distribution (DP)	2,241,795,872	$0.050295	$112,752,188
Transmission Voltage (TS)	3,487,667,558	$0.048570	$169,396,917
Lighting	114,985,808	$0.050295	$5,783,266
Total	20,804,020,617		$1,040,331,114

Total RC plus RE		$1,224,976,080
Total RC plus RE excluding CAT	1.0026068	$1,221,791,115
Difference (RC/RE Revenue excluding CAT minus Payments To Auction Providers)		$108
% Difference		0.0%