

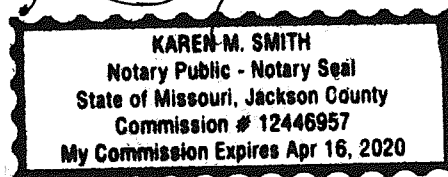
Exhibit No.:
Issue: Fuel Adjustment Clause
Witness: Lisa A. Starkebaum
Type of Exhibit: Direct Testimony
Sponsoring Party: Kansas City Power & Light
Case No.: ER-2018-0037
Date Testimony Prepared: July 31, 2017

MISSOURI PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY

OF

LISA A. STARKEBAUM



DIRECT TESTIMONY

OF

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Case No. ER-2018-0037

1 **Q: Please state your name and business address.**

2 A: My name is Lisa A. Starkebaum. My business address is 1200 Main, Kansas
3 City, Missouri 64105.

4 **Q: By whom and in what capacity are you employed?**

5 A: I am employed by Kansas City Power & Light Company (“KCP&L”) as
6 Supervisor - Regulatory Affairs.

7 **Q: What are your responsibilities?**

8 A: My responsibilities include the coordination, preparation and review of financial
9 information and schedules associated with the Company’s compliance filings for
10 both KCP&L and KCP&L Greater Missouri Operations Company (“Company” or
11 “GMO”).

12 **Q: Please describe your education.**

13 A: In 1994, I received a Bachelor of Science Degree in Finance from Northwest
14 Missouri State University in Maryville, Missouri.

15 **Q: Please provide your work experience.**

16 A: In 1995, I joined Cerner Corporation as an Accountant in the Finance Department
17 assisting with month-end close and reporting responsibilities. In 1997, I joined
18 Aquila, Inc. (“Aquila”) where I worked in the Financial and Regulatory Reporting
19 group as an Accountant, until joining Regulatory Accounting Services as a

1 Regulatory Analyst in 1999. I was employed by Aquila for a total of 11 years
2 prior to beginning my employment with KCP&L in July 2008 as a part of the
3 acquisition of Aquila, Inc., by Great Plains Energy Incorporated. Since that time,
4 I have held various positions with increasing responsibilities within Regulatory
5 Accounting Services and Regulatory Affairs, most recently as a Lead Regulatory
6 Analyst. As a Lead Analyst, my main areas of responsibility included the
7 preparation of FERC and jurisdictional reporting, and the preparation of rate cases
8 and rate case support for both KCP&L and GMO. In December 2015, I became a
9 Supervisor, Regulatory Affairs responsible for compliance reporting. In my
10 current position, I am responsible for overseeing the various reporting
11 requirements to ensure KCP&L and GMO are compliant with its jurisdictional
12 rules and regulations, in addition to the implementation of new reporting or
13 commitments resulting from various rate case orders and other regulatory filings.

14 **Q: Have you previously testified in a proceeding before the Missouri Public**
15 **Service Commission (“MPSC” or “Commission”) or before any other utility**
16 **regulatory agency?**

17 A: Yes, I have testified before the MPSC, the Kansas Corporation Commission
18 (“KCC” or “Commission”), and have provided written testimony before the
19 Public Utilities Commission of Colorado. In addition, I have worked closely with
20 many MPSC Staff on numerous filings and rate case issues.

21 **Q: What is the purpose of your testimony?**

1 A: The purpose of my testimony is to support the first true-up filing being made by
2 KCP&L under the provisions in 4 CSR 240-20.090(4) and (5) and the Company's
3 approved fuel and purchased power cost recovery mechanism or FAC.

4 **Q: What is the purpose of the true-up filing?**

5 A: KCP&L's FAC tariff requires a true-up filing by the filing date of its Fuel
6 Adjustment Rate ("FAR") filing following the completion of each recovery
7 period. Per the tariff, the true-up amount shall be the difference between the
8 revenues billed and the revenues authorized for collection during the recovery
9 period as well as any corrections identified to be included in the current FAR
10 filing. The purpose of this true-up filing is to identify the amount over or under-
11 recovered from the first 12-month recovery period as well as to correct for errors
12 identified during the current accumulation period.

13 **Q: Please explain the FAC process, including the accumulation, filing, recovery**
14 **and true-up periods.**

15 A: Each FAC begins with an accumulation period which covers a six-month period
16 in which the costs of the fuel and purchased power components net of off system
17 sales revenues contained in the FAC are accumulated and compared to the base
18 energy costs that are in rates over that same time frame. The net of the costs
19 compared to the base energy costs in the current rates is the amount to be
20 recovered or returned to customers over the recovery period. After the
21 accumulation period, KCP&L files with the Commission the Fuel Adjustment
22 Rate ("FAR"). The FAR is the rate that will be charged to customers over the
23 recovery period. The time between the accumulation period and the beginning of

1 the recovery period is three months. The recovery period for KCP&L is 12
2 months. After the recovery period, a true-up is filed which reflects all the
3 activities and summarizes the balances of the FAC. The balances will then be
4 included in the next FAR filing.

5 **Q: What was the timing of the accumulation and recovery relating to this true-**
6 **up?**

7 A: KCP&L was first granted authorization to implement a FAC in Case No. ER-
8 2014-0370; therefore, the first accumulation period consists of three months of
9 fuel and purchased power expenses net of off system sales revenues beginning
10 with the effective date of rates in that case, or September 29, 2015 through
11 December 31, 2015. The recovery period for that accumulation was April 1, 2016
12 through March 31, 2017.

13 **Q: Why would there be a difference between the accumulated over or under-**
14 **recovery and the amount billed during the recovery period?**

15 A: The FAR is calculated based upon projected kWh sales for the recovery period.
16 Since the FAR is based on a projected number, once actual sales are recorded, a
17 difference exists between the estimate and the actual kWh's billed. This
18 difference will be "trued-up" in the next FAC filing.

19 **Q: What was the difference between what was accumulated, including interest,**
20 **and the amount billed through the recovery mechanism?**

21 A: For this first accumulation period, the KCP&L FAC was under recovered by
22 \$570,955.

1 **Q: Is there anything additional impacting this true-up filing that should be**
2 **mentioned?**

3 A: Yes, in addition to the under recovery mentioned above, KCP&L has identified
4 two corrections that have been included in the proposed true-up calculation
5 amounting to a credit of \$381,060. These corrections will be discussed in more
6 detail later in my testimony.

7 **Q: What impact will this have on future FAC adjustment rate schedules filed?**

8 A: The true-up and corrections identified in this true-up filing will be included in the
9 next semi-annual FAC rate schedule filing. Since the Company's first FAC
10 recovery period ended March 31, 2017, the under-recovery of \$189,895 will be
11 included in the fourth accumulation period semi-annual filing that is being made
12 concurrent with this true-up filing and covers the accumulation period of January
13 1, 2017 through June 30, 2017.

14 **Q: How did you develop the proposed true-up amount that is being requested in**
15 **this filing?**

16 A: As indicated above, the true-up amount is the net of the accumulated expenditures
17 over or under the base FAC costs as set in rates during the accumulation period
18 plus interest and any adjustments, and the amount billed during the recovery
19 period. The details associated with this calculation are filed along with this
20 testimony in Schedule LAS-1. This schedule contains a summary and all
21 supporting work papers for the calculation.

22 **Q: Please summarize the corrections that are included in this filing.**

1 A: The first correction results in a decrease of \$375,558 in FAC expense related to
2 unit train depreciation and property tax expense erroneously included in the FAC
3 in addition to the associated interest with this correction amounting to \$7,342, for
4 a total decrease of \$382,900. This decrease is offset by an increase of \$1,840 in
5 interest due to an error found with the FAC balance used in the calculation of
6 interest on a monthly basis. These corrections date back to the implementation of
7 the KCP&L FAC, or September 29, 2015 and result in a total decrease of
8 \$381,060.

9 **Q: How were these errors discovered?**

10 A: The first error related to unit trains was discovered in KCP&L's most recent rate
11 case, Case No. ER-2016-0285. During the development of the new base FAC
12 factor, KCP&L discovered that unit train depreciation and property tax expense
13 had previously been included in the FAC in error. After further review of the
14 components included in KCP&L's base factor as well as a review of the FAC
15 tariff, KCP&L discovered that these costs were not been included in the
16 calculation of the FAC base nor specified in the tariff language.

17 **Q: Please explain the need for the second correction?**

18 The interest adjustment was found during the preparation and review of this first
19 true-up filing. The interest calculation erroneously included an additional
20 reduction for SFR/Muni in the "C/M (Over)/Under Accrued" amount on the FAC
21 Balance and Interest tab within the worksheets; however, the SFR/Muni reduction
22 was already accounted for in the KCP&L FAC jurisdictional factor calculation.
23 The additional SFR/Muni reduction was a carry-over from the work paper format

1 utilized in the calculation of GMO's FAC jurisdictional factor that did not apply
2 to KCP&L's FAC monthly calculation.

3 **Q: How will these errors be corrected?**

4 A: The two corrections as well as the associated interest have been included in this
5 true-up calculation in addition to the fourth accumulation period semi-annual
6 filing made concurrent with this filing. Schedule LAS-1 includes the monthly
7 detail for each correction.

8 Also, the FAC Balance and Interest tab within the worksheets has been
9 adjusted in June 2017 to reflect the correction to each accumulation period so that
10 going forward the interest calculation is correct.

11 **Q: What action is the Company requesting from the Commission with respect to**
12 **this true-up filing?**

13 A: As provided by 4 C.S.R. 240-20.090(5), a true-up filing is required at least
14 annually. Pursuant to the Company's FAC tariff, the amount of the true-up will
15 be included in the next accumulation period. The Company requests that the
16 Commission approve the amount to be included in the next accumulation period
17 which will cover the six months ended June 30, 2017.

18 **Q: Does this conclude your testimony?**

19 A: Yes, it does.

**Information Required By
4 CSR 240-3.161 (8)
Annual True-up of FAC for KCP&L Missouri
Summary**

1st Accumulation

Accumulation Period: September 29, 2015 through December 31, 2015

Recovery Period: April 1, 2016 through March 31, 2017

	<u>KCPL</u>	
1st Accumulation	\$ 6,807,145	
True-up (T) Amount		
Interest Filed	6,937	
1st Accumulation Recovery	(6,243,127)	
(Over)/Under from 1st Accumulation	\$ 570,955	
Adjustment/Correction #1 - Property tax & Depreciation adj	(382,900)	
Adjustment/Correction # 2 - Interest adjustment	1,840	
Proposed True-Up Amount (T) for 4th Accumulation	<u><u>\$ 189,895</u></u>	under recovered

Short-Term Borrowing Rate:

	Annual	Monthly
Sep-15	1.45%	0.12%
Oct-15	1.44%	0.12%
Nov-15	1.46%	0.12%
Dec-15	1.61%	0.13%

Proposed True-Up Amount

(Over)/Under	\$ 570,955	
Adj/Corr #1 Property tax & Depreciation adj	(375,558)	
Line 8 True-Up Amount (T)	195,397	2nd Revised Sheet No. 50.20
Adj/Corr #1 Property tax & Depreciation adj - interest	\$ (7,342)	
Adj/Corr #2 Interest adjustment	1,840	
Included with Section 7 Interest - Line 9 Interest (I)	(5,502)	
Total Proposed True-Up Amount (T)	<u><u>\$ 189,895</u></u>	

KCPL Missouri FAC Accumulation

	Residential	Commercial	Industrial	Streetlights	Total
Sep-15	52,731	62,100	30,855	790	146,476
Oct-15	361,477	606,329	314,613	8,748	1,291,167
Nov-15	745,203	1,032,736	513,686	14,419	2,306,044
Dec-15	1,140,505	1,311,926	592,948	18,079	3,063,457
Total	2,299,916	3,013,091	1,452,102	42,035	6,807,145

		Secondary	Primary	
NSI by Voltage	2,133,176,027	1,559,964,323	573,211,704	
Secondary/Primary Distribution		73.13%	26.87%	
Accumulation by Voltage		\$ 4,977,978	1,829,167	\$ 6,807,145

Base Energy by Voltage Level

CIS+ Secondary Customers		1,466,372,672
CIS+ Primary Customers	1LGAF	37,580,121
CIS+ Primary Customers	1LGSF	54,823,725
CIS+ Primary Customers	1LGSG	19,764,236
CIS+ Primary Customers	1MGAF	57,833
CIS+ Primary Customers	1MGSF	1,322,697
CIS+ Primary Customers	1MGSG	891,975
CIS+ Primary Customers	1PGSF	87,785,098
CIS+ Primary Customers	1PGSG	113,068,907
CIS+ Primary Customers	1PGSV	65,325,340
CIS+ Primary Customers	1PGSZ	41,778,600
CIS+ Primary Customers	1POSF	33,961,821
CIS+ Primary Customers	1POSG	37,671,787
CIS+ Primary Customers	1POSW	6,454,372
CIS+ Primary Customers	1POSZ	37,623,040
CIS+ Primary Customers	1SGSF	242,277
CIS+ Primary Customers	1SGSG	35,766
Total CIS+		2,004,760,267
Wholesale - MO (1)		3,077,938
Other MO kWh (unbilled, co use, losses) (2)		125,337,822
Total MO kWh		2,133,176,027
Kansas (3)		1,503,346,442
Total KCPL kWh		3,636,522,469

(1) Includes Other Sales for Resale-Municipals based on Missouri Jurisdictional Factor (J).

(2) Includes net unbilled, company use, border customers, and estimated loss kWh based on Missouri Jurisdictional Factor (J).

(3) Includes billed, net unbilled, company use, border customers and estimated loss kWh allocated to Kansas Jurisdiction (1-J Factor).

KCPL Missouri FAC Recovery

Total	Recovery												Total
	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Recovered
Residential	52,555.74	106,698.86	164,693	248,940	242,290	203,430	78,911	112,974	170,411	209,252	165,703	135,642	1,891,501
Commercial	112,457	250,444	284,087	327,594	329,902	316,971	157,678	257,885	285,259	302,314	270,350	258,496	3,153,436
Industrial	65,972	101,857	104,047	101,381	101,621	110,293	82,460	98,600	98,233	79,767	103,778	95,967	1,143,974
Streetlights	459	7,772	4,817	4,749	4,836	4,827	3,746	4,690	4,399	4,685	4,667	4,567	54,215
Total	231,443	466,771	557,644	682,665	678,649	635,521	322,794	474,150	558,302	596,017	544,498	494,672	6,243,127
Primary voltage													
Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	24,062	52,129	56,905	64,025	66,416	60,755	32,112	49,112	52,551	55,725	49,212	47,651	610,655
Industrial	57,773	85,117	85,465	80,856	81,288	90,396	71,893	81,258	80,369	62,984	86,668	79,034	943,100
Total	81,835	137,246	142,370	144,881	147,704	151,150	104,006	130,370	132,919	118,708	135,881	126,685	1,553,755
Current Period CAF	0.00078	100.0%				Current Period CAF	0.00214	73.3%					
Previous Period CAF	-	0.0%				Previous Period CAF	0.00078	26.7%					
Annual CAF	0.00078					Annual CAF	0.00292						
Previous Period CAF %	100.000%					Previous Period CAF %	26.712%						
Total Primary before recovery period split													
Commercial	24,062	52,129	56,905	64,025	66,416	60,755	120,216	183,854	196,728	208,610	184,231	178,386	1,396,317
Industrial	57,773	85,117	85,465	80,856	81,288	90,396	269,139	304,198	300,867	235,785	324,451	295,869	2,211,204
Total	81,835	137,246	142,370	144,881	147,704	151,150	389,355	488,052	497,596	444,395	508,682	474,256	3,607,521
Secondary voltage													
Residential	52,556	106,699	164,693	248,940	242,290	203,430	78,911	112,974	170,411	209,252	165,703	135,642	1,891,501
Commercial	88,395	198,315	227,182	263,569	263,486	256,217	125,565	208,774	232,708	246,589	221,137	210,845	2,542,781
Industrial	8,199	16,740	18,582	20,526	20,334	19,897	10,566	17,342	17,864	16,783	17,109	16,933	200,874
Streetlights	459	7,772	4,817	4,749	4,836	4,827	3,746	4,690	4,399	4,685	4,667	4,567	54,215
Total	149,609	329,525	415,274	537,784	530,946	484,370	218,789	343,780	425,382	477,309	408,617	367,987	4,689,371
Current Period CAF	0.00080	100.0%				Current Period CAF	0.00219	73.2%					
Previous Period CAF	-	0.0%				Previous Period CAF	0.00080	26.8%					
Annual CAF	0.00080					Annual CAF	0.00299						
Previous Period CAF %	100.000%					Previous Period CAF %	26.756%						

KCPL Missouri
FAC BALANCE BY RECOVERY PERIOD
WITH INTEREST CALCULATION

	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
	←	1st Accumulation period			Filing and Approval			←		
	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
1st Accumulation										
C/M (Over)/Under Accrued	146,225.51	1,289,099.85	2,302,739.13	3,058,669.45						
C/M (Over)/Under Recovery								231,443.42	466,771.40	557,644.25
CUMM (Over)/Under Balance	146,226	1,435,325	3,738,064	6,796,734	6,803,671	6,803,671	6,803,671	6,572,228	6,105,456	5,547,812
Balance correction (Interest adj in 4th Accum)										
Monthly STD rate	0.12%	0.12%	0.12%	0.13%						
C/M Accrued interest (P/M Bal)		175.47	1,746.31	5,015.24						
CUMM Accrued Interest Balance		175	1,922	6,937						
					←		2nd Accumulation period			
					Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
2nd Accumulation										
C/M (Over)/Under Accrued					2,389,920.12	3,887,164.21	4,422,293.89	2,398,888.26	2,947,569.00	2,113,383.09
C/M (Over)/Under Recovery										
CUMM (Over)/Under Balance					2,389,920	6,277,084	10,699,378	13,098,266	16,045,835	18,159,219
Balance correction (Interest adj in 4th Accum)										
Monthly STD rate					0.14%	0.14%	0.14%	0.14%	0.14%	0.14%
C/M Accrued interest (P/M Bal)					9,515.43	12,871.03	18,422.06	24,650.13	27,702.61	31,381.00
CUMM Accrued Interest Balance					9,515	22,386	40,809	65,459	93,161	124,542
3rd Accumulation										
C/M (Over)/Under Accrued										
C/M (Over)/Under Recovery										
CUMM (Over)/Under Balance										
Corrections										
Balance correction (Interest adj in 4th Accum)										
Monthly STD rate										
C/M Accrued interest (P/M Bal)										
CUMM Accrued Interest Balance										
4th Accumulation										
(Over)/Under Adjustment from 1st Accum										
C/M (Over)/Under Accrued										
C/M (Over)/Under Recovery										
CUMM (Over)/Under Balance										
Corrections (Property Tax & Dep and Interest adjustment)										
Monthly STD rate										
C/M Accrued interest (P/M Bal)										
CUMM Accrued Interest Balance										

**KCPL Missouri
FAC BALANCE BY RECOVERY PERIOD
WITH INTEREST CALCULATION**

	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
	Jul-16	Aug-16	Recovery Period						Mar-17			
1st Accumulation												
C/M (Over)/Under Accrued												
C/M (Over)/Under Recovery	682,664.58	678,649.35	635,520.70	322,794.46	474,149.85	558,301.57	596,017.44	544,497.51	494,672.13			
CUMM (Over)/Under Balance	4,865,147	4,186,498	3,550,977	3,228,183	2,754,033	2,195,731	1,599,714	1,055,216	560,544			10,411
Balance correction (Interest adj in 4th Accum)												
Monthly STD rate												
C/M Accrued interest (P/M Bal)												
CUMM Accrued Interest Balance												
	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
2nd Accumulation												
C/M (Over)/Under Accrued												
C/M (Over)/Under Recovery				884,283.20	1,298,779.13	1,529,159.99	1,632,320.64	1,491,389.41	1,354,936.44	908,780.69	1,261,934.00	1,455,605.36
CUMM (Over)/Under Balance	18,283,761	18,283,761	18,283,761	17,399,478	16,100,698	14,571,539	12,939,218	11,447,828	10,092,892	9,184,111	7,922,177	6,466,572
Balance correction (Interest adj in 4th Accum)												28,267
Monthly STD rate												
C/M Accrued interest (P/M Bal)												
CUMM Accrued Interest Balance												
	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
3rd Accumulation												
C/M (Over)/Under Accrued	3,890,353.64	3,287,936.31	9,117,916.02	7,932,943.86	7,331,080.28	5,297,498.01						
C/M (Over)/Under Recovery												
CUMM (Over)/Under Balance	3,890,354	7,178,290	16,296,206	24,229,150	31,560,230	36,857,728	37,193,761	37,193,761	37,193,761	1,807,906.36	2,510,641.75	2,896,242.37
Corrections						11,655				35,385,855	32,875,213	29,978,971
Balance correction (Interest adj in 4th Accum)												58,026
Monthly STD rate	0.14%	0.15%	0.15%	0.15%	0.15%	0.16%						
C/M Accrued interest (P/M Bal)	34,177.64	39,657.58	43,978.68	56,560.90	67,659.02	82,344.44						
CUMM Accrued Interest Balance	34,178	73,835	117,814	174,375	242,034	324,378						
	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
4th Accumulation												
(Over)/Under Adjustment from 1st Accum												
C/M (Over)/Under Accrued							3,866,898.57	3,662,985.24	4,045,750.07	2,513,343.81	1,179,478.47	4,678,702.81
C/M (Over)/Under Recovery												
CUMM (Over)/Under Balance							3,866,899	7,529,884	12,136,178	14,649,522	15,829,000	20,518,114
Corrections (Property Tax & Dep and Interest ad											(382,900)	1,840
Monthly STD rate							0.17%	0.17%	0.18%	0.19%	0.19%	0.20%
C/M Accrued interest (P/M Bal)							90,288.37	94,055.98	103,961.82	110,922.62	111,530.04	113,424.37
CUMM Accrued Interest Balance							90,288	184,344	288,306	399,229	510,759	624,183

Short Term Debt Rate KCPL Missouri

Day	Date	One Month LIBOR	Applicable Margin	Upfront Fees	Daily Rate		
Tuesday	September 1, 2015	0.2012%	1.2500%		1.4512%		
Wednesday	September 2, 2015	0.2028%	1.2500%		1.4528%		
Thursday	September 3, 2015	0.2043%	1.2500%		1.4543%		
Friday	September 4, 2015	0.1993%	1.2500%		1.4493%		
Saturday	September 5, 2015	0.1993%	1.2500%		1.4493%		
Sunday	September 6, 2015	0.1993%	1.2500%		1.4493%		
Monday	September 7, 2015	0.2027%	1.2500%		1.4527%		
Tuesday	September 8, 2015	0.2030%	1.2500%		1.4530%		
Wednesday	September 9, 2015	0.2040%	1.2500%		1.4540%		
Thursday	September 10, 2015	0.2064%	1.2500%		1.4564%		
Friday	September 11, 2015	0.2066%	1.2500%		1.4566%		
Saturday	September 12, 2015	0.2066%	1.2500%		1.4566%		
Sunday	September 13, 2015	0.2066%	1.2500%		1.4566%		
Monday	September 14, 2015	0.2090%	1.2500%		1.4590%		
Tuesday	September 15, 2015	0.2073%	1.2500%		1.4573%		
Wednesday	September 16, 2015	0.2128%	1.2500%		1.4628%		
Thursday	September 17, 2015	0.2160%	1.2500%		1.4660%		
Friday	September 18, 2015	0.1958%	1.2500%		1.4458%		
Saturday	September 19, 2015	0.1958%	1.2500%		1.4458%		
Sunday	September 20, 2015	0.1958%	1.2500%		1.4458%		
Monday	September 21, 2015	0.1950%	1.2500%		1.4450%		
Tuesday	September 22, 2015	0.1956%	1.2500%		1.4456%		
Wednesday	September 23, 2015	0.1939%	1.2500%		1.4439%		
Thursday	September 24, 2015	0.1943%	1.2500%		1.4443%		
Friday	September 25, 2015	0.1943%	1.2500%		1.4443%		
Saturday	September 26, 2015	0.1943%	1.2500%		1.4443%		
Sunday	September 27, 2015	0.1943%	1.2500%		1.4443%		
Monday	September 28, 2015	0.1936%	1.2500%		1.4436%		
Tuesday	September 29, 2015	0.1930%	1.2500%		1.4430%	Average	Monthly Rate
Wednesday	September 30, 2015	0.1930%	1.2500%		1.4430%	1.45%	0.12%
Thursday	October 1, 2015	0.1940%	1.2500%		1.4440%		
Friday	October 2, 2015	0.1947%	1.2500%		1.4447%		
Saturday	October 3, 2015	0.1947%	1.2500%		1.4447%		
Sunday	October 4, 2015	0.1947%	1.2500%		1.4447%		
Monday	October 5, 2015	0.1938%	1.2500%		1.4438%		
Tuesday	October 6, 2015	0.1941%	1.2500%		1.4441%		
Wednesday	October 7, 2015	0.1961%	1.2500%		1.4461%		
Thursday	October 8, 2015	0.1955%	1.2500%		1.4455%		
Friday	October 9, 2015	0.1969%	1.2500%		1.4469%		
Saturday	October 10, 2015	0.1969%	1.2500%		1.4469%		
Sunday	October 11, 2015	0.1969%	1.2500%		1.4469%		
Monday	October 12, 2015	0.1933%	1.2500%		1.4433%		
Tuesday	October 13, 2015	0.1958%	1.2500%		1.4458%		
Wednesday	October 14, 2015	0.1990%	1.2500%		1.4490%		
Thursday	October 15, 2015	0.1968%	1.2500%		1.4468%		
Friday	October 16, 2015	0.1943%	1.2500%		1.4443%		
Saturday	October 17, 2015	0.1943%	1.2500%		1.4443%		
Sunday	October 18, 2015	0.1943%	1.2500%		1.4443%		
Monday	October 19, 2015	0.1960%	1.2500%		1.4460%		
Tuesday	October 20, 2015	0.1965%	1.2500%		1.4465%		
Wednesday	October 21, 2015	0.1948%	1.2500%		1.4448%		
Thursday	October 22, 2015	0.1970%	1.2500%		1.4470%		
Friday	October 23, 2015	0.1935%	1.2500%		1.4435%		
Saturday	October 24, 2015	0.1935%	1.2500%		1.4435%		
Sunday	October 25, 2015	0.1935%	1.2500%		1.4435%		
Monday	October 26, 2015	0.1936%	1.2500%		1.4436%		
Tuesday	October 27, 2015	0.1908%	1.2500%		1.4408%		
Wednesday	October 28, 2015	0.1883%	1.2500%		1.4383%		
Thursday	October 29, 2015	0.1930%	1.2500%		1.4430%		
Friday	October 30, 2015	0.1920%	1.2500%		1.4420%	Average	Monthly Rate
Saturday	October 31, 2015	0.1920%	1.2500%		1.4420%	1.44%	0.12%

Short Term Debt Rate KCPL Missouri

Day	Date	One Month LIBOR	Applicable Margin	Upfront Fees	Daily Rate
Sunday	November 1, 2015	0.1920%	1.2500%		1.4420%
Monday	November 2, 2015	0.1900%	1.2500%		1.4400%
Tuesday	November 3, 2015	0.1922%	1.2500%		1.4422%
Wednesday	November 4, 2015	0.1932%	1.2500%		1.4432%
Thursday	November 5, 2015	0.1948%	1.2500%		1.4448%
Friday	November 6, 2015	0.1945%	1.2500%		1.4445%
Saturday	November 7, 2015	0.1945%	1.2500%		1.4445%
Sunday	November 8, 2015	0.1945%	1.2500%		1.4445%
Monday	November 9, 2015	0.1970%	1.2500%		1.4470%
Tuesday	November 10, 2015	0.1955%	1.2500%		1.4455%
Wednesday	November 11, 2015	0.1958%	1.2500%		1.4458%
Thursday	November 12, 2015	0.1970%	1.2500%		1.4470%
Friday	November 13, 2015	0.1973%	1.2500%		1.4473%
Saturday	November 14, 2015	0.1973%	1.2500%		1.4473%
Sunday	November 15, 2015	0.1973%	1.2500%		1.4473%
Monday	November 16, 2015	0.1993%	1.2500%		1.4493%
Tuesday	November 17, 2015	0.2025%	1.2500%		1.4525%
Wednesday	November 18, 2015	0.2068%	1.2500%		1.4568%
Thursday	November 19, 2015	0.2133%	1.2500%		1.4633%
Friday	November 20, 2015	0.2115%	1.2500%		1.4615%
Saturday	November 21, 2015	0.2115%	1.2500%		1.4615%
Sunday	November 22, 2015	0.2115%	1.2500%		1.4615%
Monday	November 23, 2015	0.2210%	1.2500%		1.4710%
Tuesday	November 24, 2015	0.2250%	1.2500%		1.4750%
Wednesday	November 25, 2015	0.2315%	1.2500%		1.4815%
Thursday	November 26, 2015	0.2328%	1.2500%		1.4828%
Friday	November 27, 2015	0.2438%	1.2500%		1.4938%
Saturday	November 28, 2015	0.2438%	1.2500%		1.4938%
Sunday	November 29, 2015	0.2438%	1.2500%		1.4938%
Monday	November 30, 2015	0.2430%	1.2500%		1.4930%
					Average Monthly Rate
					1.46% 0.12%
Tuesday	December 1, 2015	0.2438%	1.2500%		1.4938%
Wednesday	December 2, 2015	0.2510%	1.2500%		1.5010%
Thursday	December 3, 2015	0.2686%	1.2500%		1.5186%
Friday	December 4, 2015	0.2755%	1.2500%		1.5255%
Saturday	December 5, 2015	0.2755%	1.2500%		1.5255%
Sunday	December 6, 2015	0.2755%	1.2500%		1.5255%
Monday	December 7, 2015	0.2870%	1.2500%		1.5370%
Tuesday	December 8, 2015	0.2931%	1.2500%		1.5431%
Wednesday	December 9, 2015	0.3005%	1.2500%		1.5505%
Thursday	December 10, 2015	0.3170%	1.2500%		1.5670%
Friday	December 11, 2015	0.3305%	1.2500%		1.5805%
Saturday	December 12, 2015	0.3305%	1.2500%		1.5805%
Sunday	December 13, 2015	0.3305%	1.2500%		1.5805%
Monday	December 14, 2015	0.3445%	1.2500%		1.5945%
Tuesday	December 15, 2015	0.3505%	1.2500%		1.6005%
Wednesday	December 16, 2015	0.3600%	1.2500%		1.6100%
Thursday	December 17, 2015	0.4021%	1.2500%		1.6521%
Friday	December 18, 2015	0.4130%	1.2500%		1.6630%
Saturday	December 19, 2015	0.4130%	1.2500%		1.6630%
Sunday	December 20, 2015	0.4130%	1.2500%		1.6630%
Monday	December 21, 2015	0.4195%	1.2500%		1.6695%
Tuesday	December 22, 2015	0.4175%	1.2500%		1.6675%
Wednesday	December 23, 2015	0.4216%	1.2500%		1.6716%
Thursday	December 24, 2015	0.4219%	1.2500%		1.6719%
Friday	December 25, 2015	0.4219%	1.2500%		1.6719%
Saturday	December 26, 2015	0.4219%	1.2500%		1.6719%
Sunday	December 27, 2015	0.4219%	1.2500%		1.6719%
Monday	December 28, 2015	0.4219%	1.2500%		1.6719%
Tuesday	December 29, 2015	0.4239%	1.2500%		1.6739%
Wednesday	December 30, 2015	0.4275%	1.2500%		1.6775%
Thursday	December 31, 2015	0.4295%	1.2500%		1.6795%
					Average Monthly Rate
					1.61% 0.13%

KCPL Missouri FAC correction #1

The KCPL Missouri FAC erroneously included unit train depreciation and property tax amounts in accumulation periods 1 through 3.

Amounts included in FAC	15-Sep	15-Oct	15-Nov	15-Dec	16-Jan	16-Feb	16-Mar	16-Apr	16-May	16-Jun	16-Jul	16-Aug	16-Sep	16-Oct	16-Nov	16-Dec	17-Jan	17-Feb	17-Mar	17-Apr	31-May
Depreciation	36,770.23	35,600.18	27,677.20	50,747.93	47,579.67	32,697.77	40,516.87	23,599.89	32,123.72	70,308.23	90,618.07	65,453.00	32,964.59	8,625.39	7,250.09	44,378.32					
Taxes KCPL only	3,978.80	3,507.99	2,646.43	3,911.58	4,707.09	3,774.90	4,268.63	2,677.00	4,663.06	6,435.04	7,431.58	5,904.25	3,901.75	2,717.04	1,956.78	5,072.11					
Total Venture Taxes into Inventory	1,004.00	1,004.00	1,004.00	4,269.61	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00	2,235.96					
Total	41,753.03	40,112.17	31,327.62	58,929.12	53,263.76	37,449.67	45,762.50	27,253.90	37,763.77	77,720.27	99,026.65	72,334.24	37,843.34	12,319.43	10,183.87	51,686.39					
Allocate September	2,783.54	40,112.17	31,327.62	58,929.12	53,263.76	37,449.67	45,762.50	27,253.90	37,763.77	77,720.27	99,026.65	72,334.24	37,843.34	12,319.43	10,183.87	51,686.39					
Missouri %	0.5614	0.5975	0.5708	0.5804	0.5599	0.5910	0.5893	0.5746	0.5732	0.5329	0.5658	0.5550	0.5694	0.5913	0.5721	0.5654					
Missouri Portion	1,562.67	23,967.34	17,882.77	34,202.04	29,821.94	22,133.98	26,970.02	15,661.21	21,647.91	41,418.65	56,027.63	40,149.01	21,546.11	7,284.01	5,825.87	29,223.33					
Less 5%	(78.13)	(1,198.37)	(894.14)	(1,710.10)	(1,491.10)	(1,106.70)	(1,348.50)	(783.06)	(1,082.40)	(2,070.93)	(2,801.38)	(2,007.45)	(1,077.31)	(364.20)	(291.29)	(1,461.17)					
Total Correction	1,484.53	22,768.97	16,988.63	32,491.94	28,330.84	21,027.28	25,621.51	14,878.15	20,565.51	39,347.72	53,226.25	38,141.56	20,468.80	6,919.81	5,534.58	27,762.17					
Total Interest	-	1.78	29.51	55.33	103.23	142.89	173.35	209.44	230.39	260.89	322.22	405.87	467.06	497.42	516.24	568.07	632.19	635.32	682.26	701.04	707.30
Total Correction plus interest	1,484.53	22,770.75	17,018.14	32,547.27	28,434.07	21,170.17	25,794.87	15,087.58	20,795.91	39,608.61	53,548.47	38,547.44	20,935.87	7,417.23	6,050.83	28,330.24	632.19	635.32	682.26	701.04	707.30
Interest Rate	0.12%	0.12%	0.12%	0.13%	0.14%	0.14%	0.14%	0.14%	0.14%	0.14%	0.14%	0.15%	0.15%	0.15%	0.15%	0.16%	0.17%	0.17%	0.18%	0.19%	0.19%

Amounts to remove from FAC
\$ 375,558
\$ 7,342
\$ 382,900

KCPL Missouri FAC correction #2

The KCPL Missouri FAC interest calculation incorrectly removed the SFR/Muni amount twice from the monthly (Over)/Under Accrued on the Balance and Interest tab.

	<i>from monthly worksheets</i>	<i>from correction included in 3rd accumulation</i>				<i>For interest calculation going forward</i>
	Add back SFR/Muni reduction	Add back SFR/Muni reduction	Cumm Bal	STD rate	Interest	Added to June 2017 Balance & Interest tab
Sep-15	250.59	0.15	251	0.12%		
Oct-15	2,067.34	2.34	2,320	0.12%	0.30	
Nov-15	3,305.00	2.01	5,627	0.12%	2.82	
Dec-15	4,787.00	2.22	10,417	0.13%	7.55	10,411
Jan-16	3,753.55	2.15	14,172	0.14%	14.58	
Feb-16	5,798.27	2.15	19,973	0.14%	19.84	
Mar-16	7,249.25	2.37	27,224	0.14%	28.13	
Apr-16	3,668.52	2.15	30,895	0.14%	38.34	
May-16	4,265.68	2.03	35,163	0.14%	43.51	
Jun-16	3,532.22	2.18	38,697	0.14%	49.81	28,267
Jul-16	6,612.05		45,309	0.14%	55.79	
Aug-16	5,465.74		50,775	0.15%	66.45	
Sep-16	18,124.79		68,900	0.15%	75.32	
Oct-16	15,766.03		84,666	0.15%	102.20	
Nov-16	5,919.65		90,585	0.15%	127.70	
Dec-16	6,118.45		96,704	0.16%	147.96	58,026
Jan-17			96,704	0.17%	162.78	
Feb-17			96,704	0.17%	163.59	
Mar-17			96,704	0.18%	175.68	
Apr-17			96,704	0.19%	180.51	
May-17			96,704	0.19%	182.13	
Jun-17			96,704	0.20%	195.02	
Interest adjustment - amount to add to FAC				<u>\$ 1,840.03</u>	included in 4th accumulation	96,704