

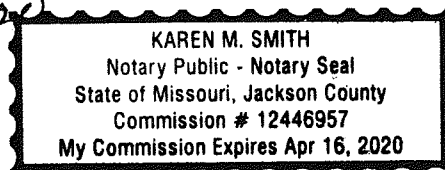
Exhibit No.:
Issue: Fuel Adjustment Clause
Witness: Lisa A. Starkebaum
Type of Exhibit: Direct Testimony
Sponsoring Party: Kansas City Power & Light
Case No.: ER-2018-0207
Date Testimony Prepared: January 31, 2018

MISSOURI PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY

OF

LISA A. STARKEBAUM



DIRECT TESTIMONY

OF

LISA A. STARKEBAUM

Case No. ER-2018-0207

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?**

22 A: The purpose of my testimony is to support the second true-up filing being made
23 by KCP&L under the provisions in 4 CSR 240-20.090(4) and (5) and the

1 Company's approved fuel and purchased power cost recovery mechanism or
2 FAC.

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

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

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: The second accumulation period consists of six months of fuel and purchased
8 power expenses net of off system sales revenues, or January 2016 through June
9 2016. The recovery period for this accumulation was October 2016 through
10 September 2017.

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

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

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

19 A: For this second accumulation period, the KCP&L FAC was under recovered by
20 \$1,602,590. In addition to this amount, KCP&L has identified two corrections
21 that have been included in the proposed true-up calculation amounting to a credit
22 of \$28,766 resulting in a total proposed true-up of \$1,573,824. These corrections
23 will be discussed in more detail later in my testimony.

1 **Q: Is there anything additional that should be mentioned regarding this filing?**

2 A: Yes. Subsequent to the second accumulation period semi-annual filing made in
3 August 2016, Case No. ER-2017-0033, a filing error was discovered during the
4 preparation of the third accumulation period filing resulting from an incorrect
5 formula in the Company workpapers amounting to \$248,698. This second
6 accumulation period error was corrected in the semi-annual filing for the third
7 accumulation period and is included in the billed FAC rates from the third
8 accumulation period filing made in January 2017, Case No. ER-2017-0204. As
9 such, this correction will also be included in the next true-up filing for the third
10 accumulation period scheduled to be filed no later than July 1, 2018. While the
11 correction does not impact the current proposed true-up calculation, this has been
12 provided for informational purposes only as the difference of \$248,698 has been
13 identified on the “KCPL Accumulation” tab within Schedule LAS-1. This
14 amount is the difference between the “calculated” second accumulation period
15 total and the “as filed” amount in Case No. ER-2017-0033.

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

17 A: The proposed true-up and corrections identified in this filing will be included in
18 the next semi-annual FAC rate schedule filing that is being made concurrent with
19 this true-up filing. The Company’s second FAC recovery period ended
20 September 30, 2017; therefore, the under-recovery of \$1,573,824 will be included
21 in the fifth accumulation period semi-annual filing and covers the accumulation
22 period of July 2017 through December 2017.

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

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

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

10 A: The first correction results in a decrease of \$31 in FAC interest as an incorrect
11 amount was included in the second accumulation period semi-annual filing in
12 August 2016, Case No. ER-2017-0033. This was discovered during the
13 preparation of this true-up filing and is detailed on the “FAC Corrections” tab
14 within Schedule LAS-1.

15 The second correction is a decrease of \$28,735 in FAC expense related to
16 transmission expense. During KCP&L’s first FAC prudence review, Case No.
17 EO-2017-0231, MPSC Staff identified an incorrect amount of transmission
18 expense for December 2015. The Company calculated total transmission of
19 \$454,851 but Staff calculated \$404,278. After further discussions, it was
20 confirmed that Staff’s calculation was correct as provided in response to Staff’s
21 data request Q0069 in the prudence audit. The correction of \$28,735 represents
22 95% of the Missouri jurisdictional amount plus interest as detailed on the “FAC
23 Corrections” tab within Schedule LAS-1.

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

2 A: The two corrections as well as the associated interest have been included in this
3 true-up calculation in addition to the fifth accumulation period semi-annual filing
4 made concurrent with this filing. As mentioned above, schedule LAS-1 includes
5 the monthly detail for each correction.

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

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

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

14 A: Yes, it does.

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

2nd Accumulation

Accumulation Period: January 1, 2016 through June 30, 2016

Recovery Period: October 1, 2016 through September 30, 2017

	<u>KCPL</u>	
2nd Accumulation	\$ 18,436,184	from semi-annual filing, August 2016, ER-2017-0033
Interest Filed	124,572	from semi-annual filing, August 2016, ER-2017-0033
2nd Accumulation Recovery	<u>(16,958,166)</u>	
Proposed Adjustment for (Over)/Under Recovery	\$ 1,602,590	
Adjustment/Correction to Current 5th Accumulation	(31)	Filing error interest - \$30 plus \$1 interest
Adjustment/Correction to Current 5th Accumulation	<u>(28,735)</u>	Transmission error \$27,885 plus \$850 interest
Proposed True-Up Amount (T) for 5th Accumulation	<u><u>\$ 1,573,824</u></u>	

Short-Term Borrowing Rate:

	Annual	Monthly
Jan-16	1.68%	0.14%
Feb-16	1.68%	0.14%
Mar-16	1.69%	0.14%
Apr-16	1.69%	0.14%
May-16	1.69%	0.14%
Jun-16	1.70%	0.14%

KCPL Missouri FAC Accumulation

	Residential	Commercial	Industrial	Streetlights	Total
Jan-16	\$ 928,045	\$ 992,262	\$ 460,164	\$ 13,203	\$ 2,393,674
Feb-16	1,338,972	1,729,956	801,192	22,843	3,892,962
Mar-16	1,360,007	2,015,181	1,023,140	31,215	4,429,543
Apr-16	698,368	1,134,392	552,285	17,513	2,402,557
May-16	903,847	1,333,816	695,810	18,361	2,951,835
Jun-16	910,415	821,516	374,939	10,046	2,116,915
Total	\$ 6,139,653	\$ 8,027,123	\$ 3,907,530	\$ 113,180	\$ 18,187,486

	Secondary	Primary	2nd accumulation as calculated total	2nd accumulation as filed Aug 2016 ER-2017-0033	diff*
NSI by Voltage	4,275,387,055	3,136,146,973	1,139,240,082		
Secondary/Primary Distribution		73.35%	26.65%		
Accumulation by Voltage	\$ 13,341,162	4,846,325	\$ 18,187,486	\$ 18,436,184	\$ (248,698)

Base Energy by Voltage Level		
CIS+ Secondary Customers		2,916,910,372
CIS+ Primary Customers	1LGAF	80,625,866
CIS+ Primary Customers	1LGSF	104,157,412
CIS+ Primary Customers	1LGSG	40,226,709
CIS+ Primary Customers	1MGAF	179,174
CIS+ Primary Customers	1MGSF	4,054,256
CIS+ Primary Customers	1MGSG	2,071,447
CIS+ Primary Customers	1PGSF	142,100,753
CIS+ Primary Customers	1PGSG	220,508,884
CIS+ Primary Customers	1PGSV	191,183,081
CIS+ Primary Customers	1PGSZ	75,237,000
CIS+ Primary Customers	1POSF	63,255,740
CIS+ Primary Customers	1POSG	56,033,600
CIS+ Primary Customers	1POSW	14,942,774
CIS+ Primary Customers	1POSZ	55,996,800
CIS+ Primary Customers	1SGSF	656,317
CIS+ Primary Customers	1SGSG	65,098
Total CIS+		3,968,205,283
Wholesale - MO (1)		6,228,845
Other MO kWh (unbilled, co use, losses) (2)		300,952,927
Total MO kWh		4,275,387,055
Kansas (3)		3,256,736,944
Total KCPL kWh		7,532,123,999

*Second accumulation period formula error corrected in third accumulation period semi-annual filing, filed in January 2017 in Case No. ER-2017-0204.

- (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 Recovered
	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	
Residential	216,018	309,266	466,500	572,828	453,613	371,320	222,269	314,989	439,200	612,051	601,847	475,109	5,055,010
Commercial	431,838	706,260	781,215	827,923	740,382	707,924	471,210	678,259	775,441	870,683	869,709	810,319	8,671,162
Industrial	226,171	270,414	269,401	218,745	284,619	263,191	204,898	256,186	240,833	306,703	278,004	266,572	3,085,736
Streetlights	10,256	12,840	12,043	12,825	12,775	12,502	10,404	12,500	132	24,901	12,553	12,527	146,258
Total	884,283	1,298,779	1,529,160	1,632,321	1,491,389	1,354,936	908,781	1,261,934	1,455,605	1,814,337	1,762,113	1,564,527	16,958,166

Primary voltage

Commercial	88,103	134,742	144,178	152,886	135,019	130,735	103,928	136,239	147,773	175,606	172,626	154,208	1,676,044
Industrial	197,246	222,940	220,499	172,801	237,783	216,836	173,510	212,033	195,055	251,590	225,772	216,167	2,542,231
Total	285,349	357,682	364,676	325,687	372,801	347,571	277,439	348,272	342,828	427,196	398,398	370,375	4,218,275

Current Period CAF	0.00214	73.3%	Current Period CAF	0.00425	66.5%
Previous Period CAF	0.00078	26.7%	Previous Period CAF	0.00214	33.5%
Annual CAF	0.00292		Annual CAF	0.00639	
Current Period CAF %	73.288%		Previous Period CAF %	33.490%	

Total Primary before recovery period split

Commercial	120,216	183,854	196,728	208,610	184,231	178,386	310,328	406,806	441,248	524,357	515,459	460,463	3,730,687
Industrial	269,139	304,198	300,867	235,785	324,451	295,869	518,099	633,127	582,431	751,243	674,150	645,471	5,534,830
Total	389,355	488,052	497,596	444,395	508,682	474,256	828,427	1,039,932	1,023,678	1,275,600	1,189,609	1,105,934	9,265,516

Secondary voltage

Residential	216,018	309,266	466,500	572,828	453,613	371,320	222,269	314,989	439,200	612,051	601,847	475,109	5,055,010
Commercial	343,735	571,517	637,038	675,037	605,363	577,189	367,282	542,021	627,667	695,077	697,083	656,111	6,995,118
Industrial	28,926	47,474	48,902	45,943	46,837	46,355	31,388	44,153	45,778	55,113	52,232	50,405	543,505
Streetlights	10,256	12,840	12,043	12,825	12,775	12,502	10,404	12,500	132	24,901	12,553	12,527	146,258
Total	598,934	941,097	1,164,484	1,306,634	1,118,588	1,007,366	631,342	913,662	1,112,777	1,387,141	1,363,715	1,194,152	12,739,892

Current Period CAF	0.00219	73.2%	Current Period CAF	0.00436	66.6%
Previous Period CAF	0.00080	26.8%	Previous Period CAF	0.00219	33.4%
Annual CAF	0.00299		Annual CAF	0.00655	
Current Period CAF %	73.244%		Previous Period CAF %	33.435%	

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

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
	← Jan-16 Feb-16		2nd Accumulation period Mar-16 Apr-16		May-16 Jun-16		Filing and Approval Jul-16 Aug-16		Sep-16	← Oct-16 Nov-16 Dec-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				884,283.20	1,298,779.13	1,529,159.99
C/M (Over)/Under Recovery										17,399,478	16,100,698	14,571,539
CUMM (Over)/Under Balance	2,389,920	6,277,084	10,699,378	13,098,266	16,045,835	18,159,219	18,283,761	18,283,761	18,283,761			
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						
							← Jul-16 Aug-16		3rd Accumulation period Sep-16 Oct-16		Nov-16 Dec-16	
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
Corrections												11,655
Balance correction (Interest adj in 4th Accum)												
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
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												
5th Accumulation												
(Over)/Under Adjustment from 2nd Accum												
C/M (Over)/Under Accrued												
C/M (Over)/Under Recovery												
CUMM (Over)/Under Balance												
Correction (Transmission & Interest)												
Monthly STD rate												
C/M Accrued interest (P/M Bal)												
CUMM Accrued Interest Balance												

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

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
	<div> <div>Recovery Period</div> <div> <div>Jan-17</div> <div>Feb-17</div> <div>Mar-17</div> <div>Apr-17</div> <div>May-17</div> <div>Jun-17</div> <div>Jul-17</div> <div>Aug-17</div> <div>Sep-17</div> </div> </div>											
2nd Accumulation												
C/M (Over)/Under Accrued												
C/M (Over)/Under Recovery	1,632,320.64	1,491,389.41	1,354,936.44	908,780.69	1,261,934.00	1,455,605.36	1,814,337.40	1,762,113.00	1,564,526.97			
CUMM (Over)/Under Balance	12,939,218	11,447,828	10,092,892	9,184,111	7,922,177	6,466,572	4,680,502	2,918,389	1,353,862			
Balance correction (Interest adj in 4th Accum)						28,267						
Monthly STD rate												
C/M Accrued interest (P/M Bal)												
CUMM Accrued Interest Balance												
	<div> <div>Filing and Approval</div> <div> <div>Jan-17</div> <div>Feb-17</div> <div>Mar-17</div> <div>Apr-17</div> <div>May-17</div> <div>Jun-17</div> <div>Jul-17</div> <div>Aug-17</div> <div>Sep-17</div> <div>Oct-17</div> <div>Nov-17</div> <div>Dec-17</div> </div> </div>											
3rd Accumulation												
C/M (Over)/Under Accrued												
C/M (Over)/Under Recovery				1,807,906.36	2,510,641.75	2,896,242.37	3,610,018.12	3,506,186.95	3,112,956.26	2,943,870.04	2,614,209.43	2,732,397.58
CUMM (Over)/Under Balance	37,193,761	37,193,761	37,193,761	35,385,855	32,875,213	29,978,971	26,426,978	22,920,791	19,807,835	16,863,965	14,249,756	11,517,358
Corrections												
Balance correction (Interest adj in 4th Accum)						58,026						
Monthly STD rate												
C/M Accrued interest (P/M Bal)												
CUMM Accrued Interest Balance												
	<div> <div>4th Accumulation period</div> <div> <div>Jan-17</div> <div>Feb-17</div> <div>Mar-17</div> <div>Apr-17</div> <div>May-17</div> <div>Jun-17</div> <div>Jul-17</div> <div>Aug-17</div> <div>Sep-17</div> <div>Oct-17</div> <div>Nov-17</div> <div>Dec-17</div> </div> </div>											
4th Accumulation												
(Over)/Under Adjustment from 1st Accum			560,544			10,411						
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										1,658,051.14	1,471,675.92	1,866,993.12
CUMM (Over)/Under Balance	3,866,899	7,529,884	12,136,178	14,649,522	15,829,000	20,124,803	20,761,237	20,761,237	20,761,237	19,103,186	17,631,510	15,764,517
Corrections (Property Tax & Dep and Interest ac					(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						
	<div> <div>5th Accumulation period</div> <div> <div>Jul-17</div> <div>Aug-17</div> <div>Sep-17</div> <div>Oct-17</div> <div>Nov-17</div> <div>Dec-17</div> </div> </div>											
5th Accumulation												
(Over)/Under Adjustment from 2nd Accum												
C/M (Over)/Under Accrued							2,919,866.00	2,470,949.54	3,155,611.76	3,604,610.35	3,565,710.20	3,121,556.65
C/M (Over)/Under Recovery												
CUMM (Over)/Under Balance							2,919,866.00	5,362,080.54	9,871,553.90	13,476,164.25	17,041,874.45	20,163,431.10
Correction (Transmission & Interest)							(28,735)					(1)
Monthly STD rate							0.21%	0.21%	0.21%	0.21%	0.21%	0.23%
C/M Accrued interest (P/M Bal)							117,115.71	113,170.35	107,822.18	104,664.30	104,655.02	111,707.84
CUMM Accrued Interest Balance							117,116	230,286	338,108	442,773	547,428	659,135

KCPL Missouri FAC corrections

Filing error - interest																										
	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	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-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Accrued interest balance								124,542.26																		
Included on Section 7 filing, August 2016, ER-2017-0033								124,571.90																		
Total Correction								(29.64)																		
Total Interest									(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.07)
Total	-	-	-	-	-	-	-	(29.64)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.07)
Interest Rate	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%	0.20%	0.21%	0.21%	0.21%	0.21%	0.21%	0.23%

Transmission correction																										
	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	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-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Transmission correction		(50,572.81)																								
Missouri %		0.5804																								
Missouri Portion		(29,352.10)																								
Less 5%		1,467.61																								
Total Correction		(27,884.50)																								
Total Interest		-	(39.04)	(39.04)	(39.27)	(39.27)	(39.27)	(39.50)	(40.20)	(40.90)	(41.36)	(41.36)	(42.06)	(45.54)	(46.94)	(47.17)	(50.66)	(52.05)	(52.52)	(56.23)	(57.63)					\$ (27,884.50)
Total	-	(27,884.50)	(39.04)	(39.04)	(39.27)	(39.27)	(39.27)	(39.50)	(40.20)	(40.90)	(41.36)	(41.36)	(42.06)	(45.54)	(46.94)	(47.17)	(50.66)	(52.05)	(52.52)	(56.23)	(57.63)	-	-	-	-	\$ (28,734.51)
Interest Rate	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%	0.20%	0.21%	0.21%	0.21%	0.21%	0.21%	0.23%

Short Term Debt Rate KCPL Missouri

Day	Date	One Month LIBOR	Applicable Margin	Upfront Fees	Daily Rate		
Friday	January 1, 2016	0.4295%	1.2500%		1.6795%		
Saturday	January 2, 2016	0.4295%	1.2500%		1.6795%		
Sunday	January 3, 2016	0.4295%	1.2500%		1.6795%		
Monday	January 4, 2016	0.4225%	1.2500%		1.6725%		
Tuesday	January 5, 2016	0.4220%	1.2500%		1.6720%		
Wednesday	January 6, 2016	0.4235%	1.2500%		1.6735%		
Thursday	January 7, 2016	0.4235%	1.2500%		1.6735%		
Friday	January 8, 2016	0.4238%	1.2500%		1.6738%		
Saturday	January 9, 2016	0.4238%	1.2500%		1.6738%		
Sunday	January 10, 2016	0.4238%	1.2500%		1.6738%		
Monday	January 11, 2016	0.4240%	1.2500%		1.6740%		
Tuesday	January 12, 2016	0.4245%	1.2500%		1.6745%		
Wednesday	January 13, 2016	0.4255%	1.2500%		1.6755%		
Thursday	January 14, 2016	0.4255%	1.2500%		1.6755%		
Friday	January 15, 2016	0.4255%	1.2500%		1.6755%		
Saturday	January 16, 2016	0.4255%	1.2500%		1.6755%		
Sunday	January 17, 2016	0.4255%	1.2500%		1.6755%		
Monday	January 18, 2016	0.4260%	1.2500%		1.6760%		
Tuesday	January 19, 2016	0.4250%	1.2500%		1.6750%		
Wednesday	January 20, 2016	0.4253%	1.2500%		1.6753%		
Thursday	January 21, 2016	0.4265%	1.2500%		1.6765%		
Friday	January 22, 2016	0.4255%	1.2500%		1.6755%		
Saturday	January 23, 2016	0.4255%	1.2500%		1.6755%		
Sunday	January 24, 2016	0.4255%	1.2500%		1.6755%		
Monday	January 25, 2016	0.4306%	1.2500%		1.6806%		
Tuesday	January 26, 2016	0.4306%	1.2500%		1.6806%		
Wednesday	January 27, 2016	0.4280%	1.2500%		1.6780%		
Thursday	January 28, 2016	0.4262%	1.2500%		1.6762%		
Friday	January 29, 2016	0.4250%	1.2500%		1.6750%		
Saturday	January 30, 2016	0.4250%	1.2500%		1.6750%	Average	Monthly Rate
Sunday	January 31, 2016	0.4250%	1.2500%		1.6750%	1.6757%	0.14%
Monday	February 1, 2016	0.4270%	1.2500%		1.6770%		
Tuesday	February 2, 2016	0.4285%	1.2500%		1.6785%		
Wednesday	February 3, 2016	0.4285%	1.2500%		1.6785%		
Thursday	February 4, 2016	0.4277%	1.2500%		1.6777%		
Friday	February 5, 2016	0.4289%	1.2500%		1.6789%		
Saturday	February 6, 2016	0.4289%	1.2500%		1.6789%		
Sunday	February 7, 2016	0.4289%	1.2500%		1.6789%		
Monday	February 8, 2016	0.4293%	1.2500%		1.6793%		
Tuesday	February 9, 2016	0.4285%	1.2500%		1.6785%		
Wednesday	February 10, 2016	0.4265%	1.2500%		1.6765%		
Thursday	February 11, 2016	0.4270%	1.2500%		1.6770%		
Friday	February 12, 2016	0.4305%	1.2500%		1.6805%		
Saturday	February 13, 2016	0.4305%	1.2500%		1.6805%		
Sunday	February 14, 2016	0.4305%	1.2500%		1.6805%		
Monday	February 15, 2016	0.4293%	1.2500%		1.6793%		
Tuesday	February 16, 2016	0.4295%	1.2500%		1.6795%		
Wednesday	February 17, 2016	0.4301%	1.2500%		1.6801%		
Thursday	February 18, 2016	0.4320%	1.2500%		1.6820%		
Friday	February 19, 2016	0.4335%	1.2500%		1.6835%		
Saturday	February 20, 2016	0.4335%	1.2500%		1.6835%		
Sunday	February 21, 2016	0.4335%	1.2500%		1.6835%		
Monday	February 22, 2016	0.4335%	1.2500%		1.6835%		
Tuesday	February 23, 2016	0.4358%	1.2500%		1.6858%		
Wednesday	February 24, 2016	0.4338%	1.2500%		1.6838%		
Thursday	February 25, 2016	0.4385%	1.2500%		1.6885%		
Friday	February 26, 2016	0.4385%	1.2500%		1.6885%		
Saturday	February 27, 2016	0.4385%	1.2500%		1.6885%		
Sunday	February 28, 2016	0.4385%	1.2500%		1.6885%	Average	Monthly Rate
Monday	February 29, 2016	0.4405%	1.2500%		1.6905%	1.6817%	0.14%

Short Term Debt Rate KCPL Missouri

Day	Date	One Month LIBOR	Applicable Margin	Upfront Fees	Daily Rate		
Tuesday	March 1, 2016	0.4353%	1.2500%		1.6853%		
Wednesday	March 2, 2016	0.4376%	1.2500%		1.6876%		
Thursday	March 3, 2016	0.4405%	1.2500%		1.6905%		
Friday	March 4, 2016	0.4380%	1.2500%		1.6880%		
Saturday	March 5, 2016	0.4380%	1.2500%		1.6880%		
Sunday	March 6, 2016	0.4380%	1.2500%		1.6880%		
Monday	March 7, 2016	0.4405%	1.2500%		1.6905%		
Tuesday	March 8, 2016	0.4419%	1.2500%		1.6919%		
Wednesday	March 9, 2016	0.4380%	1.2500%		1.6880%		
Thursday	March 10, 2016	0.4381%	1.2500%		1.6881%		
Friday	March 11, 2016	0.4362%	1.2500%		1.6862%		
Saturday	March 12, 2016	0.4362%	1.2500%		1.6862%		
Sunday	March 13, 2016	0.4362%	1.2500%		1.6862%		
Monday	March 14, 2016	0.4413%	1.2500%		1.6913%		
Tuesday	March 15, 2016	0.4413%	1.2500%		1.6913%		
Wednesday	March 16, 2016	0.4399%	1.2500%		1.6899%		
Thursday	March 17, 2016	0.4321%	1.2500%		1.6821%		
Friday	March 18, 2016	0.4283%	1.2500%		1.6783%		
Saturday	March 19, 2016	0.4283%	1.2500%		1.6783%		
Sunday	March 20, 2016	0.4283%	1.2500%		1.6783%		
Monday	March 21, 2016	0.4318%	1.2500%		1.6818%		
Tuesday	March 22, 2016	0.4315%	1.2500%		1.6815%		
Wednesday	March 23, 2016	0.4330%	1.2500%		1.6830%		
Thursday	March 24, 2016	0.4350%	1.2500%		1.6850%		
Friday	March 25, 2016	0.4350%	1.2500%		1.6850%		
Saturday	March 26, 2016	0.4350%	1.2500%		1.6850%		
Sunday	March 27, 2016	0.4350%	1.2500%		1.6850%		
Monday	March 28, 2016	0.4350%	1.2500%		1.6850%		
Tuesday	March 29, 2016	0.4329%	1.2500%		1.6829%		
Wednesday	March 30, 2016	0.4340%	1.2500%		1.6840%	Average	Monthly Rate
Thursday	March 31, 2016	0.4373%	1.2500%		1.6873%	1.6858%	0.14%
Friday	April 1, 2016	0.4374%	1.2500%		1.6874%		
Saturday	April 2, 2016	0.4374%	1.2500%		1.6874%		
Sunday	April 3, 2016	0.4374%	1.2500%		1.6874%		
Monday	April 4, 2016	0.4402%	1.2500%		1.6902%		
Tuesday	April 5, 2016	0.4385%	1.2500%		1.6885%		
Wednesday	April 6, 2016	0.4390%	1.2500%		1.6890%		
Thursday	April 7, 2016	0.4365%	1.2500%		1.6865%		
Friday	April 8, 2016	0.4347%	1.2500%		1.6847%		
Saturday	April 9, 2016	0.4347%	1.2500%		1.6847%		
Sunday	April 10, 2016	0.4347%	1.2500%		1.6847%		
Monday	April 11, 2016	0.4359%	1.2500%		1.6859%		
Tuesday	April 12, 2016	0.4372%	1.2500%		1.6872%		
Wednesday	April 13, 2016	0.4328%	1.2500%		1.6828%		
Thursday	April 14, 2016	0.4363%	1.2500%		1.6863%		
Friday	April 15, 2016	0.4363%	1.2500%		1.6863%		
Saturday	April 16, 2016	0.4363%	1.2500%		1.6863%		
Sunday	April 17, 2016	0.4363%	1.2500%		1.6863%		
Monday	April 18, 2016	0.4388%	1.2500%		1.6888%		
Tuesday	April 19, 2016	0.4412%	1.2500%		1.6912%		
Wednesday	April 20, 2016	0.4413%	1.2500%		1.6913%		
Thursday	April 21, 2016	0.4389%	1.2500%		1.6889%		
Friday	April 22, 2016	0.4365%	1.2500%		1.6865%		
Saturday	April 23, 2016	0.4365%	1.2500%		1.6865%		
Sunday	April 24, 2016	0.4365%	1.2500%		1.6865%		
Monday	April 25, 2016	0.4370%	1.2500%		1.6870%		
Tuesday	April 26, 2016	0.4377%	1.2500%		1.6877%		
Wednesday	April 27, 2016	0.4352%	1.2500%		1.6852%		
Thursday	April 28, 2016	0.4388%	1.2500%		1.6888%		
Friday	April 29, 2016	0.4358%	1.2500%		1.6858%	Average	Monthly Rate
Saturday	April 30, 2016	0.4358%	1.2500%		1.6858%	1.6870%	0.14%

Short Term Debt Rate KCPL Missouri

Day	Date	One Month LIBOR	Applicable Margin	Upfront Fees	Daily Rate		
Sunday	May 1, 2016	0.4358%	1.2500%		1.6858%		
Monday	May 2, 2016	0.4358%	1.2500%		1.6858%		
Tuesday	May 3, 2016	0.4359%	1.2500%		1.6859%		
Wednesday	May 4, 2016	0.4359%	1.2500%		1.6859%		
Thursday	May 5, 2016	0.4372%	1.2500%		1.6872%		
Friday	May 6, 2016	0.4379%	1.2500%		1.6879%		
Saturday	May 7, 2016	0.4379%	1.2500%		1.6879%		
Sunday	May 8, 2016	0.4379%	1.2500%		1.6879%		
Monday	May 9, 2016	0.4387%	1.2500%		1.6887%		
Tuesday	May 10, 2016	0.4373%	1.2500%		1.6873%		
Wednesday	May 11, 2016	0.4347%	1.2500%		1.6847%		
Thursday	May 12, 2016	0.4345%	1.2500%		1.6845%		
Friday	May 13, 2016	0.4340%	1.2500%		1.6840%		
Saturday	May 14, 2016	0.4340%	1.2500%		1.6840%		
Sunday	May 15, 2016	0.4340%	1.2500%		1.6840%		
Monday	May 16, 2016	0.4362%	1.2500%		1.6862%		
Tuesday	May 17, 2016	0.4387%	1.2500%		1.6887%		
Wednesday	May 18, 2016	0.4385%	1.2500%		1.6885%		
Thursday	May 19, 2016	0.4430%	1.2500%		1.6930%		
Friday	May 20, 2016	0.4433%	1.2500%		1.6933%		
Saturday	May 21, 2016	0.4433%	1.2500%		1.6933%		
Sunday	May 22, 2016	0.4433%	1.2500%		1.6933%		
Monday	May 23, 2016	0.4460%	1.2500%		1.6960%		
Tuesday	May 24, 2016	0.4442%	1.2500%		1.6942%		
Wednesday	May 25, 2016	0.4497%	1.2500%		1.6997%		
Thursday	May 26, 2016	0.4545%	1.2500%		1.7045%		
Friday	May 27, 2016	0.4567%	1.2500%		1.7067%		
Saturday	May 28, 2016	0.4567%	1.2500%		1.7067%		
Sunday	May 29, 2016	0.4567%	1.2500%		1.7067%		
Monday	May 30, 2016	0.4567%	1.2500%		1.7067%	Average	Monthly Rate
Tuesday	May 31, 2016	0.4689%	1.2500%		1.7189%	1.6925%	0.14%
Wednesday	June 1, 2016	0.4696%	1.2500%		1.7196%		
Thursday	June 2, 2016	0.4631%	1.2500%		1.7131%		
Friday	June 3, 2016	0.4648%	1.2500%		1.7148%		
Saturday	June 4, 2016	0.4648%	1.2500%		1.7148%		
Sunday	June 5, 2016	0.4648%	1.2500%		1.7148%		
Monday	June 6, 2016	0.4471%	1.2500%		1.6971%		
Tuesday	June 7, 2016	0.4458%	1.2500%		1.6958%		
Wednesday	June 8, 2016	0.4453%	1.2500%		1.6953%		
Thursday	June 9, 2016	0.4471%	1.2500%		1.6971%		
Friday	June 10, 2016	0.4466%	1.2500%		1.6966%		
Saturday	June 11, 2016	0.4466%	1.2500%		1.6966%		
Sunday	June 12, 2016	0.4466%	1.2500%		1.6966%		
Monday	June 13, 2016	0.4421%	1.2500%		1.6921%		
Tuesday	June 14, 2016	0.4423%	1.2500%		1.6923%		
Wednesday	June 15, 2016	0.4461%	1.2500%		1.6961%		
Thursday	June 16, 2016	0.4481%	1.2500%		1.6981%		
Friday	June 17, 2016	0.4478%	1.2500%		1.6978%		
Saturday	June 18, 2016	0.4478%	1.2500%		1.6978%		
Sunday	June 19, 2016	0.4478%	1.2500%		1.6978%		
Monday	June 20, 2016	0.4481%	1.2500%		1.6981%		
Tuesday	June 21, 2016	0.4508%	1.2500%		1.7008%		
Wednesday	June 22, 2016	0.4521%	1.2500%		1.7021%		
Thursday	June 23, 2016	0.4533%	1.2500%		1.7033%		
Friday	June 24, 2016	0.4493%	1.2500%		1.6993%		
Saturday	June 25, 2016	0.4493%	1.2500%		1.6993%		
Sunday	June 26, 2016	0.4493%	1.2500%		1.6993%		
Monday	June 27, 2016	0.4588%	1.2500%		1.7088%		
Tuesday	June 28, 2016	0.4603%	1.2500%		1.7103%		
Wednesday	June 29, 2016	0.4666%	1.2500%		1.7166%	Average	Monthly Rate
Thursday	June 30, 2016	0.4651%	1.2500%		1.7151%	1.7026%	0.14%