



April 10, 2017

Ms. Amy L Green
Secretary to the Commission
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, Kansas 66604

RE: Transmission Delivery Charge - Docket No. 17-KCPE-440-TAR

Dear Ms. Green:

On March 20, 2017, Kansas City Power & Light Company (KCP&L) filed for an updated Transmission Delivery Charge (TDC) tariff. After filing it was discovered that the TDC True-Up calculation erroneously excluded some 2016 TDC revenue. After discussions with KCC staff, KCP&L has revised the current TDC filing to reflect the additional revenue in the amended TDC 2016 True-Up calculation and the 2017 TDC Filing.

KCP&L hereby files the following to replace those documents contained in the initial filing:

- Amended TDC tariff Schedule 83 Sheet 7, clean and red-line versions
- Amended Public version of 2017 TDC Filing with 2016 TDC True-Up

All other workpapers previously filed on March 20, 2017 have not changed. KCP&L would like to implement the new TDC starting May 1, 2017.

Please feel free to call me at (816) 556-2209 with any questions concerning this filing.

Respectfully,

A handwritten signature in blue ink that reads "Lisa Starkebaum".

Lisa Starkebaum
Supervisor, Regulatory Affairs

Enclosures

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 83 Sheet 7

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed September 30, 2016

No supplement or separate understanding
shall modify the tariff as shown hereon.

Sheet 7 of 7 Sheets

TRANSMISSION DELIVERY CHARGE
Schedule TDC

CALCULATION OF TDC RATES (continued):

The Company shall file to update its TDC Rates annually. The Company may file for a change in the TDC Rates more frequently than once per year, but only if the Company receives concurrence from the Commission Staff that such filing is appropriate. All proposed TDC Rates shall be filed with the Commission no later than 30 business days before the effective date of the proposed charges.

METHOD OF BILLING:

The TDC-related revenue requirements shall be collected by applying the TDC Rate, developed for each rate schedule permitting such cost recovery, to each applicable customer's bill. The TDC Rate shall be implemented using a dollars per kilowatt-hour (kWh) charge or a dollars per kilowatt (kW) charges, as applicable.

TDC RATES EFFECTIVE:

The TDC Rates in the following table shall be applied to a customer's bill of each rate schedule as indicated. The amount determined by applying the TDC Rate shall become part of the total bill for electric service furnished and will be itemized separately on customer's bill.

Rate Schedule	\$ per kWh	\$ per kW
Large General Service		\$2.55188
Medium General Service		\$1.22806
Small General Service	\$0.00627	
Residential Service	\$0.00766	
Lighting Service	\$0.00457	

Issued: March 20, 2017
Month Day Year

Effective: May 1, 2017
Month Day Year

By: Darrin R. Ives Vice President
Title

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 83 Sheet 7

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed September 11, 2015 September 30, 2016No supplement or separate understanding
shall modify the tariff as shown hereon.Sheet 7 of 7 Sheets**TRANSMISSION DELIVERY CHARGE**
Schedule TDC**CALCULATION OF TDC RATES (continued):**

The Company shall file to update its TDC Rates annually. The Company may file for a change in the TDC Rates more frequently than once per year, but only if the Company receives concurrence from the Commission Staff that such filing is appropriate. All proposed TDC Rates shall be filed with the Commission no later than 30 business days before the effective date of the proposed charges.

METHOD OF BILLING:

The TDC-related revenue requirements shall be collected by applying the TDC Rate, developed for each rate schedule permitting such cost recovery, to each applicable customer's bill. The TDC Rate shall be implemented using a dollars per kilowatt-hour (kWh) charge or a dollars per kilowatt (kW) charges, as applicable.

TDC RATES EFFECTIVE:

The TDC Rates in the following table shall be applied to a customer's bill of each rate schedule as indicated. The amount determined by applying the TDC Rate shall become part of the total bill for electric service furnished and will be itemized separately on customer's bill.

Rate Schedule	\$ per kWh	\$ per kW
Large General Service		-\$1.80006 <u>\$2.55188</u>
Medium General Service		<u>\$1.34307</u> <u>\$1.22806</u>
Small General Service	-\$0.00521 <u>\$0.00627</u>	
Residential Service	-\$0.00637 <u>\$0.00766</u>	
Lighting Service	<u>\$0.00380</u> <u>\$0.00457</u>	

Note:

~~The initial TDC Rates effective October 1, 2015 included a TUn-1 component of zero (\$0). The True Up component included in TDC Rate calculations for subsequent TDC Years may be positive or negative. The first TDC rate filing subsequent to the initial TDC filing shall include a TUn-1 component that only reflects TDC Revenues for Kansas Retail sales during Q4 2015 (October 1, 2015-December 31, 2015) and the TDC related cost authorized by the Commission to be recovered for Q4 2015 (October 1, 2015-December 31, 2015).~~

Issued: September 30, 2016 March 20, 2017

Month Day Year

Effective: November 14, 2016 May 1, 2017

Month Day Year

By: Darrin R. Ives

Vice President

Title

KANSAS CITY POWER & LIGHT
2017 TDC Filing
Kansas Transmission Delivery Charge Rider Rate Calculation and Impact Work Paper

Inputs					
TDC Expenses			Rates Transposed		
2016 TDC True-Up wo/Rates Transposed			2015 Rates Transposed 10/2015-12/2015		
2016 Rates Transposed balance			2016 Rates Transposed 1/2016-11/13/2016		
Total 2016 TDC True-Up			Total Rates Transposed		
Kansas TDC Expense 2017			Less 2016 Rate Adjust Billed 11/14/2016-12/2016		
Kansas TDC Expense			2016 Balance		
less Rates Transposed			Less 2017 Estimated Adjust Billed 1/2017-4/2017		
Total Kansas TDC Expense			2017 Balance - Needs Correction		

Rate Schedule	\$ per kWh	\$ per kW	Adjust for Rates Transposed \$ per kW	Total
Large General Service		\$2.07923	\$0.47265	\$2.55188
Medium General Service		\$1.70246	(\$0.47439)	\$1.22806
Small General Service	\$0.00627			\$0.00627
Residential Service	\$0.00766			\$0.00766
Lighting Service	\$0.00457			\$0.00457

Demand Allocation of TDC Expenses and Calculation of Class TDC Rate						
	Residential	Small General	Medium General	Large General	Lighting	Total
Demand Allocator (12 CP Method) ¹	52.6083%	5.2740%	10.7094%	30.7876%	0.6207%	100.0000%
Allocated 2016 TDC True-Up wo/Rates Transposed	\$ 580,295	\$ 58,175	\$ 118,130	\$ 339,602	\$ 6,847	\$ 1,103,049
Allocated Kansas TDC Expense 2017	\$ 21,054,056	\$ 2,110,684	\$ 4,285,949	\$ 12,321,313	\$ 248,404	\$ 40,020,406
Total Kansas TDC Expense	21,634,351	2,168,859	4,404,079	12,660,915	255,251	41,123,455
Total kW ²			2,586,892	6,089,222		
Total kWh ³	2,822,789,541	345,701,992			55,822,206	
TDC Rate per kW			\$ 1.70246	\$ 2.07923		
TDC Rate per kWh	\$ 0.00766	\$ 0.00627			\$ 0.00457	

Adjustment for Rates Transposed					
Adjustment for Rates Transposed remaining balance kW for recovery period					
TDC Rate per kW - Rates Transposed			\$ (0.47439)	\$ 0.47265	

Typical Monthly Charge						
	Residential	Small General	Medium General	Large General	Lighting	
Typical Usage (kW) ⁴			53	457		
Typical Usage (kWh) ⁵	1,087	1,307			1,090	
Typical Monthly TDC Charge	\$ 8.32	\$ 8.19	\$ 89.51	\$ 949.52	\$ 4.98	
Typical Monthly TDC Charge w/Rates Transposed			\$ 64.57	\$ 1,165.36		
Typical Previous Monthly TDC Charge	\$ 6.92	\$ 6.81	\$ 74.37	\$ 788.94	\$ 4.14	
Typical Previous Monthly TDC Charge w/Rates Transposed			\$ 70.61	\$ 822.03		
Typical Change in Monthly TDC Charge	\$ 1.40	\$ 1.38	\$ 15.14	\$ 160.58	\$ 0.84	
	20%	20%	20%	20%	20%	
Typical Change in Monthly TDC Charge w/Rates Transposed			\$ (6.04)	\$ 343.33		
			-9%	42%		

KANSAS CITY POWER & LIGHT
2017 TDC Filing
TDC Calculation

TDC Filing Calculation for 2017							
Line #	SPP Schedule 9 and Schedule 11 Zonal and Regional Revenue Requirements for KCP&L Zone 6	SPP Tariff Schedule	SPP Rates Effective (ATRR _{Filing})				
			Annual Revenue Requirement	Native System LRS (Note a)	Native System Network Service Costs	KS Retail Allocation (Note e)	KS Retail Revenue Requirement
1	KCP&L Zone 6 Zonal ATRR	Schedule 9	\$ 42,283,200	88.1156%	\$ 37,258,101	46.2748%	\$ 17,241,106
2	KCP&L Zone 6 BPF Zonal ATRR: NTC prior to June 19, 2010	Schedule 11	\$ 3,974,723	88.1156%	\$ 3,502,352	43.0530%	\$ 1,507,866
3	KCP&L Zone 6 BPF Zonal ATRR: NTC on or after June 19, 2010	Schedule 11	\$ 15,985	88.1156%	\$ 14,085	43.0530%	\$ 6,064
4	KCP&L Zone 6 ATRR Reallocated to Balanced Portfolio Region-wide ATRR	Schedule 11	\$ (9,105,733)	88.1156%	\$ (8,023,573)	43.0530%	\$ (3,454,385)
5	KCP&L Zone 6 Base Plan Zonal ATRR to pay Upgrade Sponsors	Schedule 11	\$ 283,066	88.1156%	\$ 249,425	43.0530%	\$ 107,385
6	Region-wide Allocation to KCP&L Zone 6	Schedule 11	\$ 49,178,881	88.1156%	\$ 43,334,272	43.0530%	\$ 18,656,686
7	Total ATRR for KCP&L Zone 6		<u>\$ 86,630,122</u>		<u>\$ 76,334,663</u>		<u>\$ 34,064,722</u> ATRR _{Filing}
			Known & Measureable Charges (Admin)				
			Native System Network Service Charges		KS Retail Allocation (Note e)		KS Retail Charges
8	SPP Administrative Fee	Schedule 1A	\$ 9,592,082		43.0530%		4,129,675
9	NERC Fees	Non-SPP	\$ 839,765		43.0530%		361,544
10	Total Charges		<u>\$ 10,431,847</u>				<u>\$ 4,491,219</u> Admin
			Actual Charges (SPP)				
			Native System Network Service Charges		KS Retail Allocation (Note e)		KS Retail Charges
11	Facility Charges on KCP&L System	Schedule 10	\$ -		43.0530%		-
12	FERC Assessment Fees	Schedule 12	\$ 973,533		43.0530%		419,135
13	KCP&L Retail Load on Foreign Wires (all costs)		\$ -		43.0530%		-
14	SPP PtP Charges for Wind for Retail Load	Schedule 2,7,11	\$ 4,947,147		43.0530%		2,129,893
15	Other 565 Retail - Non-SPP	Non-SPP	\$ 33,690		43.0530%		14,505
16	SPP Direct Assigned Transmission Customer Costs charged by SPP	Z2 Schedule 7, 8	\$ (433,298)		43.0530%		(186,548)
17	Total Charges		<u>\$ 5,521,072</u>				<u>\$ 2,376,985</u> SPP
			Known & Measureable TFR ATRR, Etc. (Other)				
			Annual Revenue Requirement		Native System LRS (Note a)		Native System Network Service Costs
18	Transmission Owner ATRR for Sponsored Upgrade not charged by SPP in Schedules 9 & 11	n/a	\$ 1,643,759		100.0%		1,643,759
19	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (KCP&L Zonal)	n/a	(3,744,016)		88.1%		(3,299,062)
20	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Base Plan)	n/a	(177,119)		88.1%		(156,070)
21	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Balanced Portfolio)	n/a	(46,163)		88.1%		(40,676)
22	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Sponsored)	n/a	(133,609)		100.0%		(133,609)
23	Total Other		<u>\$ (2,457,147)</u>				<u>\$ (1,985,658)</u>
Total TDC-related Costs to be Included in TDC True-Up Calculation							
Total Annual Transmission Cost without True-Up (Line 7 + Line 10 + Line 17 + Line 23)							
24	Prior Year True-Up						
25	Total Annual Transmission Cost including prior year True-Up (Line 24 + Line 25)						
26							

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

KANSAS CITY POWER & LIGHT
2016 TDC True-Up for 2017 TDC Filing
TDC Calculation

Line #		SPP Tariff Schedule
	SPP Schedule 9 and Schedule 11 Zonal and Regional Revenue Requirements for KCP&L Zone 6	
1	KCP&L Zone 6 Zonal ATRR	Schedule 9
2	KCP&L Zone 6 BPF Zonal ATRR: NTC prior to June 19, 2010	Schedule 11
3	KCP&L Zone 6 BPF Zonal ATRR: NTC on or after June 19, 2010	Schedule 11
4	KCP&L Zone 6 ATRR Reallocated to Balanced Portfolio Region-wide ATRR	Schedule 11
5	KCP&L Zone 6 Base Plan Zonal ATRR to pay Upgrade Sponsors	Schedule 11
6	Region-wide Allocation to KCP&L Zone 6	Schedule 11
7	Total ATRR for KCP&L Zone 6	
	SPP Administration Charges and NERC Fees for Retail Load	SPP Tariff Schedule
8	SPP Administrative Fee	Schedule 1A
9	NERC Fees	Non-SPP
10	Total Charges	
	SPP Charges for Retail Load not included above (includes non-SPP Acct 565 amounts)	SPP Tariff Schedule
11	Facility Charges on KCP&L System	Schedule 10
12	FERC Assessment Fees	Schedule 12
13	KCP&L Retail Load on Foreign Wires (all costs)	
14	SPP PtP Charges for Wind for Retail Load	Schedule 2,7,11
15	Other 565 Retail - Non-SPP	Non-SPP
16	SPP Direct Assigned Transmission Customer Costs charged by SPP	
17	Total Charges	
	Other TFR ATRR Amounts, Etc. to be Collected in TDC	SPP Tariff Schedule
18	Transmission Owner ATRR for Sponsored Upgrade not charged by SPP in Schedules 9 & 11	n/a
19	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (KCP&L Zonal)	n/a
20	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Base Plan)	n/a
21	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Balanced Portfolio)	n/a
22	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Sponsored)	n/a
23	Total Other	
	Total TDC-related Costs to be Included in TDC True-Up Calculation	
24	Total Annual Transmission Cost without True-Up (Line 7 + Line 10 + Line 17 + Line 23)	
25	Prior Year True-Up	
26	Total Annual Transmission Cost including prior year True-Up (Line 24 + Line 25)	
	TDC Revenues & True-Up Calculation for TDC Year	
27	Total TDC Revenues (for months: January 2016 - December 2016)	
	True-Up for TDC Year (to be applied to TDC rate for the following TDC year) (Line 26 - Line 27)	

TDC True-Up Calculation for 2016				
SPP Rates Effective (ATRR _{Actual})				
Annual Revenue Requirement	Native System LRS (Note a)	Native System Network Service Costs	KS Retail Allocation (Note e)	KS Retail Revenue Requirement
\$ 35,869,349	88.3567%	\$ 31,692,973	46.8756%	\$ 14,856,270
\$ 3,384,778	88.3567%	\$ 2,990,678	42.9521%	\$ 1,284,560
\$ 19,781	88.3567%	\$ 17,478	42.9521%	\$ 7,507
\$ (7,739,873)	88.3567%	\$ (6,838,696)	42.9521%	\$ (2,937,366)
\$ 93,993	88.3567%	\$ 83,049	42.9521%	\$ 35,671
\$ 38,541,044	88.3567%	\$ 34,053,594	42.9521%	\$ 14,626,746
\$ 70,169,072		\$ 61,999,075		\$ 27,873,389 ATRR _{Actual}
Known & Measureable Charges (Admin)				
Native System Network Service Charges	KS Retail Allocation (Note e)		KS Retail Charges	
\$ 8,331,580	42.9521%		3,578,592	
\$ 802,648	42.9521%		344,754	
\$ 9,134,228			\$ 3,923,346 Admin	
Actual Charges (SPP)				
Native System Network Service Charges	KS Retail Allocation (Note e)		KS Retail Charges	
\$ -	42.9521%		-	
\$ 1,091,362	42.9521%		468,763	
\$ -	42.9521%		-	
\$ 4,780,604	42.9521%		2,053,372	
\$ 192,046	42.9521%		82,488	
\$ -	42.9521%		-	
\$ 6,064,012			\$ 2,604,623 SPP	
Known & Measureable TFR ATRR, Etc. (Other)				
Annual Revenue Requirement	Native System LRS (Note a)	Native System Network Service Costs	KS Retail Alloc (Note e)	KS Retail Revenue Requirement
\$ 1,675,600	100.0%	1,675,600	46.8756%	785,448
(3,532,935)	88.4%	(3,121,585)	46.8756%	(1,463,262)
(190,797)	88.4%	(168,582)	42.9521%	(72,409)
(49,598)	88.4%	(43,823)	42.9521%	(18,823)
(144,171)	100.0%	(144,171)	46.8756%	(67,581)
\$ (2,241,901)		\$ (1,802,560)		\$ (836,627) Other
		\$ 75,394,754		\$ 33,564,731
			2015 True-Up	1,368,862 TU _{n-1}
			Total 2016 TDC Revenue	\$ 34,933,593 TDC _{Actual}
			2016 True-Up	\$ 2,340,660 TU _n