20170320131129 Filed Date: 03/20/2017 State Corporation Commission of Kansas



March 20, 2017

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

RE: Transmission Delivery Charge

Dear Ms. Green:

Pursuant to Kansas City Power & Light Company's (KCP&L) tariff Schedule 83, KCP&L hereby files an updated Transmission Delivery Charge (TDC) tariff. The proposed rate schedules bear an issue date of March 20, 2017, and an effective date of May 1, 2017.

This filing is in accordance with K.S.A. 66-1237 which states that utilities "may seek to recover costs associated with transmission of electric power, in a manner consistent with the determination of transmission related costs from an order of a regulatory authority having legal jurisdiction, through a separate transmission delivery charge included in customers' bills."

Included in this submittal are:

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

Please note that the KCP&L 2017 TDC Filing workpaper page 3, is marked "Confidential" pursuant to K.S.A. 66-1220a contains confidential financial information/budget projections used to calculate demand and energy allocators, the disclosure of which could affect the Companies' standing in the capital markets, affect the Companies' stock prices, facilitate insider trading violations of SEC rules and/or disadvantage the Companies in their contract negotiations.

Please feel free to call me at (816) 556-2612 with any questions concerning this filing.

Respectfully,

Loi Lierta

Lois Liechti Director, Regulatory Affairs

Enclosures

THE STATE CORPORATION	COMMISSION OF KANSAS	5						
KANSAS CITY POWER & LI	GHT COMPANY		SCH	EDU	LE		83	
(Name of Issuing Utilit		Replacing Second	chedule	83			Sheet	7
Rate Areas No. 2 & 4 (Territory to which schedule is	s applicable)	which was f	ilad		Sente	mber 30	2016	
No supplement or separate unde		which was h	<u> </u>		Septe		, 2010	
shall modify the tariff as shown	hereon.		Sheet	7	(	of 7	She	ets
	TRANSMISSION DEL Schedule		GE					
CALCULATION OF TDC RA	TES (continued):							
more frequently than or such filing is appropria	to update its TDC Rates annuation of the context of the context of the proposed TDC Rates she of the proposed charges.	mpany receives	concurren	ce fro	m the (	Commiss	sion Staff	that
METHOD OF BILLING:								
schedule permitting suc	ue requirements shall be collec h cost recovery, to each applic watt-hour (kWh) charge or a do	able customer's	bill. The	TDC	Rate sh	all be ir		ed
TDC RATES EFFECTIVE:								
	ollowing table shall be applied applying the TDC Rate shall be tely on customer's bill.							
	Rate Schedule	\$ per kWh	<u>\$ per k</u>	W				
	Large General Service		\$2.574	31				
	Medium General Service		\$1.241	36				
	Small General Service	\$0.00632						
	Residential Service	\$0.00772						
	Lighting Service	\$0.00460						
		1 1						
Issued: N	Iarch 20, 2017							
Month								
Effective:	May 1, 2017							
Month By: Darrin R. Ives	n Day Year Vice Presiden	t						

Title

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.				SCH	EDULE	E		83	
Rate Areas No. 2 & 4       which was filed       September 11, 2015September 30, 20         (Territory to which schedule is applicable)       which was filed       September 11, 2015September 30, 20         (Soupplement or separate understanding hall 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 da before the effective date of the proposed TDC Rates shall be filed with the Commission no later than 30 business da 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.         CDC 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.         Metate			Denlesine C	-111	02			Chart C	
(Territory to which schedule is applicable)       which was filed       September 11, 2015September 30, 20         No supplement or separate understanding hall modify the tariff as shown hereon.       Sheet       7       of       7       Sheets         TRANSMISSION DELIVERY CHARGE Schedule TDC         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 da 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.         CDC RATES EFFECTIVE:         The TDC Rate 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.         METHOD OF BILLING:         Inter TDC Rates in the following table shall be applied to a customer's bill of each rate		ty)	Replacing S	chedule _	83			Sneet	
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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 such filing is appropriate. All proposed TDC Rates shall be filed with the Commission no later than 30 business da 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.         DC 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.         Mate Schedule to the Starge Schedule as indicated. The function of the schedule applying the TDC Rate shall become part of the total bill for electric service furnished and will be itemized separately on customer's bill.         Mate Schedule to the Schedule to the Schedule of Schedule S				Bliedt	,	01	,	Sheets	
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Title

THE STATE CORPORATION COMMISSION OF KANSAS

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

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2016 TDC True-Up wo/Rates Transposed	\$	1,391,402						0/2015-12/2015	\$	256,302	
2016 Rates Transposed balance	<u> </u>	1,218,879		2016	Rate	es Transposed				982,173	
Total 2016 TDC True-Up	\$	2,610,281						es Transposed		1,238,475	
Kansas TDC Expense 2017		40,020,406		Less 2016	Rate	e Adjust Billed 1	1/14	1/2016-12/2016	\$	19,596	
Kansas TDC Expense	\$	42,630,686						2016 Balance		1,218,879	
less Rates Transposed		(1,218,879)		Less 2017	Esti	mated Adjust Bi	illed	1/2017-4/2017	\$	82,599	
Total Kansas TDC Expense	\$	41,411,808			2	2017 Balance -	Nee	eds Correction		1,136,279	
Demand Allocation of TDC Expenses and Calc	ulat	ion of Class	TDC	Rate							
	F	Residential	S	mall General	Ме	dium General	L	arge General		Lighting	Total
Demand Allocator (12 CP Method) <sup>1</sup>		52.6083%		5.2740%		10.7094%		30.7876%		0.6207%	100.0000
Allocated 2016 TDC True-Up wo/Rates Transposed	\$	731,993	\$	73,383	\$	149,011	\$	428,379	\$	8,636	\$ 1,391,40
Allocated Kansas TDC Expense 2017	\$	21,054,056		2,110,684		4,285,949		12,321,313		248,404	\$ 40,020,40
Total Kansas TDC Expense		21,786,049		2,184,066		4,434,960		12,749,692		257,041	\$ 41,411,80
Total kW <sup>2</sup>						2,586,892		6,089,222			
Fotal kWh <sup>3</sup>		2,822,789,541		345,701,992		2,500,092		0,009,222		55,822,206	
		2,022,703,041		040,701,002						33,022,200	
TDC Rate per kW					\$	1.71440	\$	2.09381			
TDC Rate per kWh	\$	0.00772	\$	0.00632					\$	0.00460	
Adjustment for Rates Transposed											
Adjustment for Rates Transposed remaining balance					\$	(825,305) 1,744,692	\$	1,961,585 4,082,408			\$ 1,136,27
Adjustment for Rates Transposed remaining balance					\$ <b>\$</b>						\$ 1,136,27
Adjustment for Rates Transposed Adjustment for Rates Transposed remaining balance W for recovery period TDC Rate per kW - Rates Transposed Typical Monthly Charge					\$	1,744,692 (0.47304)	\$	4,082,408 <b>0.48050</b>			\$ 1,136,27
Adjustment for Rates Transposed remaining balance W for recovery period TDC Rate per kW - Rates Transposed Typical Monthly Charge	F	Residential	S	mall General	\$	1,744,692 (0.47304) dium General	\$	4,082,408 0.48050 arge General		Lighting	\$ 1,136,27
Adjustment for Rates Transposed remaining balance W for recovery period TDC Rate per kW - Rates Transposed Typical Monthly Charge Typical Usage (kW) <sup>4</sup>	F	Residential 1,087	S	mall General 1,307	\$	1,744,692 (0.47304)	\$	4,082,408 <b>0.48050</b>		Lighting 1,090	\$ 1,136,27
Adjustment for Rates Transposed remaining balance W for recovery period <b>TDC Rate per kW - Rates Transposed</b> <b>Typical Monthly Charge</b> Typical Usage (kW) <sup>4</sup> Typical Usage (kWh) <sup>5</sup> Typical Monthly TDC Charge	F \$		Si \$		\$	1,744,692 (0.47304) dium General	\$ L \$	4,082,408 0.48050 arge General	\$		\$ 1,136,27
Adjustment for Rates Transposed remaining balance W for recovery period <b>TDC Rate per kW - Rates Transposed</b> <b>Typical Monthly Charge</b> Typical Usage (kW) <sup>4</sup> Typical Usage (kWh) <sup>5</sup> <b>Typical Monthly TDC Charge</b> Typical Monthly TDC Charge w/Rates Transposed Typical Previous Monthly TDC Charge	<b>\$</b>	1,087 <b>8.39</b> 6.92	\$	1,307	\$ Me	1,744,692 (0.47304) dium General 53 90.14	\$ L \$ \$	4,082,408 0.48050 arge General 457 956.18	-	1,090	\$ 1,136,2
Adjustment for Rates Transposed remaining balance W for recovery period	<b>\$</b>	1,087 <b>8.39</b> 6.92	<b>\$</b>	1,307 <b>8.26</b>	\$ Me \$ \$ \$	1,744,692 (0.47304) dium General 53 90.14 65.27 74.37	\$ L \$ \$ \$	4,082,408 0.48050 arge General 457 956.18 1,175.61 788.94	\$	1,090 <b>5.01</b>	\$ 1,136,27

Rate Schedule	\$ per kWh	\$ per kW	Adjust for Rates Transposed \$ per kW	Total
Large General Service		\$2.09381	\$0.48050	\$2.57431
Medium General Service		\$1.71440	(\$0.47304)	\$1.24136
Small General Service	\$0.00632			\$0.00632
Residential Service	\$0.00772			\$0.00772
Lighting Service	\$0.00460			\$0.00460

## KANSAS CITY POWER & LIGHT 2017 TDC Filing TDC Calculation

					TDC	Filing Calculation for 201	7		
					SPP	Rates Effective (ATRR <sub>Fillin</sub>			
		SPP Tariff	Annual Revenue	Native System LRS	Na	tive System Network	KS Retail Allocation	۲ ۲	(S Retail Revenue
Line #	SPP Schedule 9 and Schedule 11 Zonal and Regional Revenue Requirements for KCP&L Zone 6	Schedule	Requirement	(Note a)		Service Costs	(Note e)		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		\$ 86,630,122		\$	76,334,663		\$	34,064,722 ATRR <sub>F</sub>

	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	

	Know	n & Measureable Charges (	Admin)		]
Nati	ve System Network	KS Retail Allocation			
S	Service Charges	(Note e)	KS	Retail Charges	
\$	9,592,082	43.0530%		4,129,675	•
\$	839,765	43.0530%		361,544	
\$	10,431,847		\$	4,491,219	Admir

SPP Charges for Retail Load not included above (includes non-SPP Acct 565 amounts)	SPP Tariff Schedule
Facility Charges on KCP&L System	Schedule 10
FERC Assessment Fees	Schedule 12
KCP&L Retail Load on Foreign Wires (all costs)	
SPP PtP Charges for Wind for Retail Load	Schedule 2,7,11
Other 565 Retail - Non-SPP	Non-SPP
SPP Direct Assigned Transmission Customer Costs charged by SPP Total Charges	Z2 Schedule 7, 8

		Actual Charges (SPP)		
Native Syst	tem Network	KS Retail Allocation		
Service	Charges	(Note e)	KS R	etail Charges
\$	-	43.0530%		-
\$	973,533	43.0530%		419,135
\$	- 43.0530%			-
\$	4,947,147	43.0530%		2,129,893
\$	33,690	43.0530%		14,505
\$	(433,298)	43.0530%		(186,548)
\$	5,521,072		\$	2,376,985 8

2016 True-up

\$

2,610,281 TU<sub>n-1</sub> 42,630,686 TDC<sub>Filing</sub>

			Known & Measureable TFR ATRR, Etc. (Other)								
		SPP Tariff		Annual Revenue	Native System LRS	Native System Network	KS Retail Alloc	KS Retail	Revenue		
	Other TFR ATRR Amounts, Etc. to be Collected in TDC	Schedule		Requirement	(Note a)	Service Costs	(Note e)	Require	ement		
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	46.2748%		760,646		
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)	46.2748%		(1,526,634)		
20	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Base Plan)	n/a		(177,119)	88.1%	(156,070)	43.0530%		(67,193)		
21	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Balanced Portfolio)	n/a		(46,163)	88.1%	(40,676)	43.0530%		(17,512)		
22	TFR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Sponsored)	n/a		(133,609)	100.0%	(133,609)	46.2748%		(61,827)		
23	Total Other		\$	(2,457,147)		\$ (1,985,658)		\$	(912,520) 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)					\$ 90,301,925		\$	40,020,406		

25 Prior Year True-Up

26 Total Annual Transmission Cost including prior year True-Up (Line 24 + Line 25)

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

					TDC	True-Up Calculation for 20	016	
					SPP	Rates Effective (ATRR <sub>Actu</sub>	ual)	
		SPP Tariff	Annual Revenue	Native System LRS	N	ative System Network	KS Retail Allocation	KS Retail Revenue
Line #	SPP Schedule 9 and Schedule 11 Zonal and Regional Revenue Requirements for KCP&L Zone 6	Schedule	Requirement	(Note a)		Service Costs	(Note e)	Requirement
1	KCP&L Zone 6 Zonal ATRR	Schedule 9	\$ 35,869,349	88.3567%	\$	31,692,973	46.8756%	\$ 14,856,270
2	KCP&L Zone 6 BPF Zonal ATRR: NTC prior to June 19, 2010	Schedule 11	\$ 3,384,778	88.3567%	\$	2,990,678	42.9521%	\$ 1,284,560
3	KCP&L Zone 6 BPF Zonal ATRR: NTC on or after June 19, 2010	Schedule 11	\$ 19,781	88.3567%	\$	17,478	42.9521%	\$ 7,507
4	KCP&L Zone 6 ATRR Reallocated to Balanced Portfolio Region-wide ATRR	Schedule 11	\$ (7,739,873)	88.3567%	\$	(6,838,696)	42.9521%	\$ (2,937,366)
5	KCP&L Zone 6 Base Plan Zonal ATRR to pay Upgrade Sponsors	Schedule 11	\$ 93,993	88.3567%	\$	83,049	42.9521%	\$ 35,671
6	Region-wide Allocation to KCP&L Zone 6	Schedule 11	\$ 38,541,044	88.3567%	\$	34,053,594	42.9521%	\$ 14,626,746
7	Total ATRR for KCP&L Zone 6		\$ 70,169,072		\$	61,999,075		\$ 27,873,389 ATRR

		SPP Tariff
	SPP Administration Charges and NERC Fees for Retail Load	Schedule
8	SPP Administrative Fee	Schedule 1A
9	NERC Fees	Non-SPP
10	Total Charges	

<u>\$ 802,648</u> 42.9521% <u>344,754</u>		Known & Measureable Charges (Admin)				
\$         8,331,580         42.9521%         3,578,593           \$         802,648         42.9521%         344,75	1		KS Retail Allocation	Native System Network	ļ	
<u>\$ 802,648</u> 42.9521% 344,754		KS Retail Charges	(Note e)	Service Charges		
· · · · · · · · · · · · · · · · · · ·	-	3,578,592	42.9521%	\$ 8,331,580	\$	
		344,754	42.9521%	\$ 802,648	\$	
\$ <u>9,134,228</u> \$3,923,340	Admin	\$ 3,923,346		\$ 9,134,228	\$	

		SPP Tariff
	SPP Charges for Retail Load not included above (includes non-SPP Acct 565 amounts)	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	

		Actual Charges (SPP)			
		KS Retail Allocation	Native System Network	Native System Network	
	KS Retail Charges	(Note e)	Service Charges		
-		42.9521%		5	
33	468,763	42.9521%	1,091,362	5	
-	-	42.9521%	-	5	
72	2,053,372	42.9521%	4,780,604	\$	
38	82,488	42.9521%	192,046	5	
-	-	42.9521%	-	6	
23 SF	\$ 2,604,623		6,064,012	5	

				Known & Measureable TFR ATRR, Etc. (Other)					
		SPP Tariff		Annual Revenue	Native System LRS	Native System Network	KS Retail Alloc	KS Retail Revenue	
Ot	ther TFR ATRR Amounts, Etc. to be Collected in TDC	Schedule		Requirement	(Note a)	Service Costs	(Note e)	Requirement	
3 Tra	ransmission Owner ATRR for Sponsored Upgrade not charged by SPP in Schedules 9 & 11	n/a	\$	1,675,600	100.0%	1,675,600	46.8756%	785,448	
) TF	FR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (KCP&L Zonal)	n/a		(3,532,935)	88.4%	(3,121,585)	46.8756%	(1,463,262)	
TF	FR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Base Plan)	n/a		(190,797)	88.4%	(168,582)	42.9521%	(72,409)	
TF	FR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Balanced Portfolio)	n/a		(49,598)	88.4%	(43,823)	42.9521%	(18,823)	
TF	FR ATRR Adjustment to reflect Amounts recovered though Property Tax Rider (Sponsored)	n/a		(144,171)	100.0%	(144,171)	46.8756%	(67,581)	
	Total Other		\$	(2,241,901)		\$ (1,802,560)		\$ (836,627) Ot	
	otal TDC-related Costs to be Included in TDC True-Up Calculation								
То	otal Annual Transmission Cost without True-Up (Line 7 + Line 10 + Line 17 + Line 23)					\$ 75,394,754		\$ 33,564,731	
Pr	rior Year True-Up						2015 True-Up	1,368,862 TU	
То	otal Annual Transmission Cost including prior year True-Up (Line 24 + Line 25)							\$ 34,933,593 TE	
TC	DC Revenues & True-Up Calculation for TDC Year						Total 2016 TDC Revenue	\$ 32,323,312 TE	
	Total TDC Revenues (for months: January 2016 - December 2016) rue-Up for TDC Year (to be applied to TDC rate for the following TDC year) (Line 26 - Line 27)						2016 True-Up	\$ 2,610,281 TU	