



March 16, 2018

Ms. Lynn Retz
Secretary to the Commission
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, Kansas 66604

RE: Submittal of ECA Factors for April, May and June 2018
Docket No. 08-KCPE-677-CPL

Dear Ms. Retz:

Pursuant to Kansas City Power & Light Company's (KCP&L) tariff Schedule 2 (also known as Schedule ECA), please find KCP&L's Energy Cost Adjustment (ECA) factors for April, May and June 2018. These factors will be effective starting April 1, 2018.

Included in this submittal are:

- The Public version showing the ECA factors April, May and June 2018;
- The Confidential version showing the summary for 2018;
- A summary of values allocated between retail / sales for resale sales / bulk power sales not in off-system sales and asset-based off-system sales;
- Workpapers expanding the summary report

Please note that in addition to the Confidential version of the submittal, all of the workpapers are marked "Confidential" pursuant to K.S.A. 66-1220a as they contain proprietary and confidential information related to KCP&L's projected fuel supply and off-system sales, 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,

A handwritten signature in blue ink that reads "Lois Liechti".

Lois Liechti
Director, Regulatory Affairs

Enclosures

KANSAS CITY POWER & LIGHT COMPANY
ENERGY COST ADJUSTMENT (SCHEDULE ECA)
Submittal date: March 20 2018

ENERGY COST ADJUSTMENT		Preliminary Actual Jan-18	Preliminary Actual Feb-18	Projected Mar-18	Projected Apr-18	Projected May-18	Projected Jun-18	Projected Jul-18	Projected Aug-18	Projected Sep-18	Projected Oct-18	Projected Nov-18	Projected Dec-18	Projected 2018 Total
Projected Costs for all KCPL Retail, Requirements Sales for Resale, and Bulk Power Sales Customers not included in the asset-based Off-System Sales Margin from Bulk Power Sales:														
1. Projected cost nuclear and fossil fuel	F _p													
Account 501 Coal														
Account 518 Nuclear														
Account 547 Gas / Oil														
2. Projected cost purchased power	P _p													
Account 555 Purchased Power														
including RTO Participation														
3. Projected cost emission allowances	E _p													
4. Projected transmission cost	T _p	Retail transmission costs that were previously collected in the ECA are now collected through the TDC.												
Account 565 Transmsn by Others														
Accts 560, 561, 575, 928 Fees														
5. Projected Revenue not in OSSM	BPR _p													
5a. Cost of Non-asset-based sales to Bulk Power Customers	NABPC _A													
6. Total (Lines 1+2+3+4-5-5a)														
7. Projected kWhs to be delivered to all KCPL Retail and Requirements Sales for Resale Customers	S _p													
8. Projected Fuel Cost Component of the ECA (\$/kWh) (Line 6 / Line 7)														
9. Projected annual asset-based Off-System Sales Margin from Bulk Power Sales (Median Value)	OSSM													
10. Projected Unused Energy Allocator for Kansas	UE1													48.8962%
11. Projected Kansas annual allocation of OSSM (Line 9 x Line 10)	OSSM _k													
12. Projected kWhs to be delivered to all Kansas Retail Customers	S _k													
13. Projected OSSM Component of the ECA (\$/kWh credit amount)														
13a. OSSM Credit to Kansas Retail (Line 12 x Line 13)														
14. True-up Value from previous ECA year (Actual Cost Adjustment (ACA)) Over (Under) Collected	TRUE _A													\$ (9,168,747)
15. Projected True-up kWhs from ACA	S _{TRUE}													6,437,343,329
16. True-up Component of the ECA (\$/kWh) (-Line 14 / Line 15)		\$ 0.00142			\$ 0.00142			\$ 0.00142						
17. Projected ENERGY COST ADJUSTMENT (\$/kWh) (Lines 8+13+16)		\$ 0.02783			\$ 0.02432			\$ 0.02244						