



June 18, 2010

PUBLIC VERSION

STATE CORPORATION COMMISSION

Ms. Susan K. Duffy
Executive Director
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, Kansas 66604

JUN 18 2010

A handwritten signature in black ink that reads "Susan K. Duffy". The signature is written in a cursive, flowing style.

RE: Schedule ECA Submittal of 2010 Projected ECA Factors for July, August and September
Docket No. 08-KCPE-677-CPL

Dear Ms. Duffy:

Enclosed for submittal to the Staff of the Commission pursuant to our tariff Schedule ECA, please find the original and eight (8) copies of Kansas City Power & Light Company's (KCP&L) submittal of its projected Energy Cost Adjustment (ECA) factors for July, August and September 2010 pursuant to Tariff Schedule ECA. These factors will be effective July 1, 2010.

This is the first submittal of projected ECA factors for July – December 2010. As approved in Docket No. 10-KCPE-422-TAR, the December 18, 2009 submittal and the March 19, 2010 update presented ECA factors for only the first six months of 2010. This submittal for the second six months of 2010 includes the projected addition of Unit 2. An update report to this submittal will be made on or before September 20, 2010.

Included in this submittal are:

- The Public version showing the ECA factors for January – September 2010;
- The Confidential version showing the summary for January – December 2010;
- Workpapers expanding the summary report; and
- 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.

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 because they contain proprietary and confidential information related to KCP&L's projected fuel supply and off-system sales.

Please file stamp one copy for KCP&L's files. Thank you for your assistance.

Respectfully,

A handwritten signature in black ink that reads "Mary Britt Turner". The signature is written in a cursive, flowing style.

Mary Britt Turner
Director, Regulatory Affairs

Enclosures

KANSAS CITY POWER & LIGHT COMPANY
ENERGY COST ADJUSTMENT (SCHEDULE ECA)
JUNE 18, 2010

ENERGY COST ADJUSTMENT	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	2010 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 Account 501 Coal Account 518 Nuclear Account 547 Gas / Oil													
2. Projected cost purchased power Account 555 Purchased Power including RTO Participation													
3. Projected cost emission allowances													
4. Projected transmission cost Account 565 Transmsn by Others Accts 560, 581, 575, 928 Fees													
5. Projected Revenue not in OSSM													
5a. Cost of Non-asset-based sales to Bulk Power Customers													
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													
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)													
10. Projected Unused Energy Allocator for Kansas													
11. Projected Kansas annual allocation of OSSM (Line 9 x Line 10)													
12. Projected kWhs to be delivered to all Kansas Retail Customers													
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													\$ 958,831
15. Projected True-up kWhs													
16. True-up Component of the ECA (\$/kWh) (-Line 14 / Line 15)	\$ 0.00033	\$ 0.00033	\$ 0.00033	\$ (0.00015)	\$ (0.00015)	\$ (0.00015)	\$ (0.00015)	\$ (0.00015)	\$ (0.00015)	\$ (0.00015)			
17. Projected ENERGY COST ADJUSTMENT (\$/kWh) (Lines 8+13+16)	\$ 0.01245	\$ 0.01246	\$ 0.01334	\$ 0.00824	\$ 0.00831	\$ 0.01114	\$ 0.01434	\$ 0.01412	\$ 0.01014				

CONFIDENTIAL INFORMATION

(Located in Docket Room)

In the Matter of Kansas City Power & Light Company
Filing Quarterly Compliance Reports Regarding Energy
Cost Adjustment (ECA) Factors as Required by the
Stipulation and Agreement in Docket No. 07-KCPE-905-
RTS.

08-KCPE-677-CPL

Kansas City Power & Light Company's Confidential
Projected Energy Cost Adjustment Factors for July,
August and September 2010.

File Date:

June 18, 2010