



PUBLIC VERSION

March 19, 2010

KANSAS CORPORATION COMMISSION

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

MAR 19 2010

A handwritten signature in black ink, appearing to read "Susan K. Duffy", is written over the typed name and date.

RE: Schedule ECA Submittal of 2010 Projected ECA Factors for April, May and June
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 April, May and June 2010 pursuant to Tariff Schedule ECA. These factors will be effective April 1, 2010.

This is the second submittal for the six month period January – June 2010, as approved in Docket No. 10-KCPE-422-TAR. The order granted a one-time waiver for calendar year 2010 to address a unique situation that exists in 2010 due to the expected addition of Iatan Unit 2 to the KCP&L Kansas rate base sometime in the latter half of the year. Projected ECA factors for July – December 2010 will be presented in the June 18, 2010 filing with an update report on or before September 20, 2010.

Included in this submittal are:

- The Public version showing the ECA factors for January – June 2010;
- The Confidential version showing the summary for January – June 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, appearing to read "Mary Britt Turner", is written in a cursive style.

Mary Britt Turner
Director, Regulatory Affairs

Enclosures

**KANSAS CITY POWER & LIGHT COMPANY
ENERGY COST ADJUSTMENT (SCHEDULE ECA)
MARCH 19, 2010**

ENERGY COST ADJUSTMENT

	Preliminary Actual	Preliminary Actual	Projected	Projected	Projected	Projected	Projected	Projected
	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jan-10	Projected January - June 2010
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 Transman by Others								
Accts 560, 561, 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								
15. Projected True-up kWhs								
16. True-up Component of the ECA (\$/kWh) (Line 14 / Line 15)								
17. Projected ENERGY COST ADJUSTMENT (\$/kWh) (Lines 8+13+16)								

\$ 958,831