

Exhibit No.:  
Issues: Weather  
Normalization  
Witness: Shawn E. Lange  
Sponsoring Party: MO PSC Staff  
Type of Exhibit: True-up Direct  
Testimony  
Case No.: ER-2006-0314  
Date Testimony Prepared: November 7, 2006

**MISSOURI PUBLIC SERVICE COMMISSION**  
**UTILITY OPERATIONS DIVISION**

**TRUE-UP DIRECT TESTIMONY**

**OF**

**SHAWN E. LANGE**

**FILED<sup>2</sup>**

NOV 17 2006

Missouri Public  
Service Commission

**KANSAS CITY POWER & LIGHT COMPANY**

**CASE NO. ER-2006-0314**

Jefferson City, Missouri  
November 2006

Staff Exhibit No. 158  
Case No(s). ER-2006-0314  
Date 11/16/06 Rptr. MV

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI**

In the Matter of the Application of Kansas )  
City Power & Light Company for )  
Approval to Make Certain Changes in its )  
Charges for Electric Service to Begin the )  
Implementation of Its Regulatory Plan )

Case No. ER-2006-0314

**AFFIDAVIT OF SHAWN E. LANGE**

STATE OF MISSOURI     )  
                                      ) ss  
COUNTY OF COLE     )


Shawn E. Lange, of lawful age, on his oath states: that he has participated in the preparation of the following True-Up Direct Testimony in question and answer form, consisting of 2 pages of True-Up Direct Testimony to be presented in the above case, that the answers in the following True-Up Direct Testimony were given by him; that he has knowledge of the matters set forth in such answers; and that such matters are true to the best of his knowledge and belief.

  
Shawn E. Lange

Subscribed and sworn to before me this 3<sup>rd</sup> day of November, 2006.



SUSAN L. SUNDERMEYER  
My Commission Expires  
September 21, 2010  
Callaway County  
Commission #06942086

  
Notary Public

My commission expires 9-21-10

1                                   **TRUE-UP DIRECT TESTIMONY**

2   **OF**

3   **SHAWN E. LANGE**

4                                   **KANSAS CITY POWER & LIGHT COMPANY**

5                                   **CASE NO. ER-2006-0314**

6  
7                   Q.     Please state your name and business address.

8                   A.     My name is Shawn E. Lange and my business address is Missouri Public  
9 Service Commission, P.O. Box 360, Jefferson City, MO 65102.

10                  Q.     Are you the same Shawn E. Lange who filed direct and surrebuttal testimony  
11 in this proceeding?

12                  A.     Yes, I am.

13                  Q.     What is the purpose of your true-up direct testimony?

14                  A.     My True-Up Direct testimony describes changes I made to my Schedule 3 and  
15 Schedule 4 subsequent to my direct filing, resulting from 1) data revisions and updates to  
16 class usage provided by Kansas City Power & Light Company (KCP&L) for purposes of the  
17 true-up, and 2) an adjustment to my Company use component of Net System Input (NSI).  
18 My attached Schedule 3 and Schedule 4 present total NSI for KCP&L incorporating all  
19 changes through the true-up period.

20                  Q.     What prompted the updates to NSI?

21                  A.     As a result of discussions with KCP&L, it became apparent that the Company  
22 use component was already included in the calculation of the retail sales, and that by

True-up Direct Testimony of  
Shawn E. Lange

1 including it in the calculation of NSI, the result was a double-counting of Company use.

2 Therefore, I removed the company use component from the NSI calculation.

3 Q. Did Staff provide any other revisions to NSI?

4 A. Yes. Staff witness Kim Bolin provided updated customer growth, and Large  
5 Power (LP) annualization adjustments through September 30, 2006, the end of the true-up  
6 period, which are reflected in the values contained in my Schedule 3.

7 Q. How were the NSI loads shown in Schedule 3 and Schedule 4 used in this  
8 case?

9 A. Staff witness Leon Bender used the test year hourly normalized NSI loads,  
10 updated through September 30, 2006, in developing fuel and purchased power expense  
11 updated through the true-up period.

12 Q. What is your recommendation?

13 A. I recommend that the Commission adopt the updated hourly NSI loads that I  
14 calculated.

15 Q. Does this conclude your true-up direct testimony?

16 A. Yes, it does.

**KANSAS CITY POWER & LIGHT**  
**COMPONENTS OF ANNUAL NET SYSTEM INPUT**  
**ER-2006-0314**

	Energy (kwh) w/losses	Large Customer Annualizations	Normalization for Weather	Additional kWh from Cust Growth	Total KCP&L Normalized kWh
Mo Retail	9,048,186,068	(294,044)	(106,330,915)	56,502,618	8,998,063,727
Non-Mo Retail	6,741,261,990	(12,776,736)	(108,604,842)	152,152,543	6,772,032,954
Wholesale	143,054,274	-	(1,534,262)	-	141,520,012
NSI	15,932,502,332	(13,070,780)	(216,470,019)	208,655,161	15,911,616,694

# KANSAS CITY POWER & LIGHT COMPANY

ER-2006-0314

## Net System Load

Normalized for 2005\*

Month	Monthly Usage (MWh)				Monthly Peaks (MW)				Load Factor	
	Actual	Normal	Adj	% Adj	Actual	Normal	Adj	% Adj	Actual	Normal
Jan-05	1,338,971	1,379,026	40,055	2.99%	2,313	2,428	115	4.99%	0.78	0.76
Feb-05	1,103,395	1,169,522	66,127	5.99%	2,186	2,356	170	7.79%	0.75	0.74
Mar-05	1,161,632	1,186,058	24,426	2.10%	2,003	2,109	106	5.31%	0.78	0.76
Apr-05	1,071,849	1,081,004	9,155	0.85%	2,042	2,003	(39)	-1.91%	0.73	0.75
May-05	1,211,826	1,208,784	(3,042)	-0.25%	2,615	2,697	82	3.13%	0.62	0.60
Jun-05	1,510,784	1,483,875	(26,909)	-1.78%	3,338	3,332	(6)	-0.19%	0.63	0.62
Jul-05	1,707,780	1,724,826	17,046	1.00%	3,512	3,558	46	1.32%	0.65	0.65
Aug-05	1,652,949	1,631,533	(21,416)	-1.30%	3,426	3,440	14	0.39%	0.65	0.64
Sep-05	1,424,219	1,326,006	(98,213)	-6.90%	3,007	2,977	(30)	-1.01%	0.66	0.62
Oct-05	1,184,197	1,157,598	(26,599)	-2.25%	2,754	2,174	(580)	-21.04%	0.58	0.72
Nov-05	1,148,311	1,182,074	33,763	2.94%	2,209	2,276	67	3.02%	0.72	0.72
Dec-05	1,369,276	1,381,310	12,034	0.88%	2,563	2,572	9	0.37%	0.72	0.72
Annual	15,885,189	15,911,617	26,428	0.17%	3,512	3,558	46	1.32%	0.52	0.51

Summer	6,295,732	6,166,241	(129,491)	-2.06%	3,512	3,558	46	1.32%	0.61	0.59
Other	9,589,457	9,745,376	155,919	1.63%	2,754	2,697	(57)	-2.07%	0.60	0.62

\* Normalized for weather, growth, large customers, including losses, updated for true-up.