Exhibit No.: Issue: Fuel Expense; Purchased Power Expense Adjustments to Projected Off-System Sales Margins Witness: Burton L. Crawford Type of Exhibit: Direct Testimony Sponsoring Party: Kansas City Power & Light Company Case No.: ER-2009-___ Date Testimony Prepared: September 5, 2008

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO.: ER-2009-____

DIRECT TESTIMONY

OF

BURTON L. CRAWFORD

ON BEHALF OF

KANSAS CITY POWER & LIGHT COMPANY

Kansas City, Missouri September 2008

Certain Schedules Attached To This Testimony Designated ("HC") Have Been Removed Pursuant to 4 CSR 240-2.135.

DIRECT TESTIMONY

OF

BURTON L. CRAWFOD

Case No. ER-2009-____

1	Q:	Please state your name and business address.		
2	A:	My name is Burton L. Crawford. My business address is 1201 Walnut, Kansas City,		
3		Missouri 64106.		
4	Q:	By whom and in what capacity are you employed?		
5	A:	I am employed by Kansas City Power & Light Company ("KCP&L" or "Company") as		
6		Manager, Energy Resource Management.		
7	Q:	What are your responsibilities?		
8	A:	My responsibilities include managing the Energy Resource Management ("ERM")		
9		Department. Activities of ERM include resource planning, wholesale energy purchase		
10		and sales evaluations, Supply Division budgeting, and capital project evaluations.		
11	Q:	Please describe your education, experience and employment history.		
12	A:	I hold a Master of Business Administration from Rockhurst College and a Bachelor of		
13		Science in Mechanical Engineering from the University of Missouri. Within KCP&L, I		
14		have served in various areas including regulatory, economic research, and power		
15		engineering starting in 1988.		
16	Q:	Have you previously testified in a proceeding at the Missouri Public Service		
17		Commission ("Commission") or before any other utility regulatory agency?		
18	A:	Yes, I have. I provided testimony in KCP&L's 2007 general rate proceeding, Case No.		
19		ER-2007-0291. I also provided testimony in Case No. EO-2006-0142, which pertained		

1		to KCP&L's application to join Southwest Power Pool, Inc. ("SPP"), a Regional			
2		Transmission Organization. I also provided testimony in Case No. ER-2006-0314,			
3		KCP&L's 2006 general rate case, which began the implementation of the Company's			
4		regulatory plan approved by the Commission in 2005.			
5	Q:	What is the purpose of your testimony?			
6	A:	The purpose of my testimony is to describe the level of fuel expense and purchased			
7		power expense, the process of normalizing such expenses, wholesale contract customer			
8		revenues, and adjustments to the projected off-system sales margins for purchases for			
9		resale and for SPP line loss charges.			
10		I. Energy Price Forecasts			
11	Q:	Could you describe how KCP&L forecasts electricity prices?			
12	A:	KCP&L utilizes the MIDAS TM model, which is similar to other fundamental price			
13		forecasting models that are commonly used in the industry. $MIDAS^{TM}$ is provided by			
14		Ventyx (formerly Global Energy). The Transact Analyst TM component of MIDAS TM			
15		generates regional prices by modeling power flows within and between various energy			
16		markets, transaction areas, North American Electric Reliability Corporation ("NERC")			
17		sub-regions, and NERC regions. Power flows are determined based on the relative loads,			
18		resources, marginal costs, transactions costs, and intertie limits between these areas or			
19		regions. Transactions occur on an hourly basis for 8,760 hours per year.			
20	Q:	What are the primary inputs to the model?			
21	A:	The model utilizes a sizeable input dataset, referred to as the National Database. It is			
22		populated with assumptions about market supply, demand, and transmission. The bulk of			
23		the input assumptions use Federal Energy Regulatory Commission ("FERC") Form 1			

1 data, U.S. Energy Information Administration ("EIA") 411 reports, and Continuous 2 Emissions Monitoring system ("CEM") data compiled by the U.S. Environmental Protection Agency ("EPA"), as their source. The demand data includes projected hourly 3 4 demand for virtually every utility in the Eastern Interconnect. The supply data contains a 5 representation of all generating units within those utilities, including capacity, heat rate, 6 fuel type, variable operations and maintenance costs, outage rates, emissions rates, and 7 start-up costs. Fuel costs may also be tied to individual units based on reported costs. 8 This applies primarily in the case of nuclear and coal units, whose fuel cost would not be 9 tied to a national commodity price such as is the case with natural gas or fuel oil. The 10 other primary inputs are: natural gas prices, natural gas basis adders, fuel oil prices, and 11 emission allowance prices. These inputs are more "global" in nature, meaning they are 12 not tied to specific units. The dataset also includes transmission constraints between the 13 areas. Ventyx, the provider of the National Database, assesses the constraints through 14 their analyses of regional assessments from the various reliability councils. 15 How does the model use this data to forecast power prices? **O**:

A: The model performs an hourly chronological dispatch of all generation resources to meet
projected hourly demand in each region as defined in the model's geographic topology.
For each hour, the last generator needed to meet demand is identified as the marginal
unit. All of the costs associated with dispatching the marginal unit become the basis for
the price in that hour in that region.

21 Q:

Is this done for only one region?

A: No. Our market simulations model most of the Eastern Interconnect. As a result, the unitidentified as marginal may be dispatched in order to serve load in a neighboring region.

The model will perform transactions between regions, as long as adequate transmission
 capacity still exists. If transmission becomes constrained between regions, before all of
 the economical transactions have been completed, the model's bidding logic will arrive at
 an appropriate price spread between the two regions.

5

Q: What is your opinion of the resulting forecasts?

6 A: The fundamental supply and demand data are relatively good. That is, the demand 7 forecast from utilities and the existing public data on installed generation capacity are 8 fairly reliable, so identifying a reasonable unit to base an hourly price on is something 9 that can be done with a fair amount of confidence. The input assumption that creates a 10 larger challenge is fuel price. In KCP&L's market area, the market price is almost 11 always set by one of two fuels: coal or natural gas. Primarily, it is natural gas. Fuel oil 12 might set the price of power in a very small number of hours in some years in North 13 Southwest Power Pool ("N-SPP").

14 Q: How difficult is it to predict the price of coal and natural gas?

A: Relative to natural gas prices, coal prices are less volatile and the model inputs are based
on actual reported fuel costs, so it is not as difficult to predict coal's impact on power
prices when it is the marginal fuel. Natural gas prices are much more volatile and
difficult to predict.

19 Q: What is your opinion of KCP&L's power price forecasts?

A: The power price forecasts are fairly accurate when the forecasts of natural gas prices are
 accurate. Natural gas is the marginal fuel in N-SPP for more than 50% of the hours in a
 year, so there is a strong correlation between natural gas and power in those hours.

23 Schedule BLC-1 (HC) presents how closely KCP&L's power price forecast tracked

1 prices that we observed in the N-SPP market. This Schedule shows a MIDAS simulation 2 of 2007 wholesale power prices based on the average spot gas price for each month. 3 Schedule BLC-1 (HC) is Highly Confidential as it contains market-specific information 4 related to services and their prices offered by KCP&L in competition with other utilities 5 and market participants. It is worth noting that KCP&L uses one gas price for each 6 month of the forecast period, although, in reality, the gas price can change every day. To 7 the extent that gas prices were more volatile intra-month, such volatility would affect 8 KCP&L's ability to track actual market prices with the MIDAS simulation. Schedule 9 BLC-2 illustrates the monthly volatility of natural gas prices at the New York Mercantile 10 Exchange ("NYMEX"). In addition to intra-month gas prices, there is another factor that 11 would influence the MIDAS simulation versus the actual market. The actual hourly 12 regional demand data for 2007 is not yet available. The unavailability of actual regional 13 load data is not an issue when normalizing wholesale market prices since it is more 14 appropriate to use a representation of normal market conditions. Our simulation, 15 therefore, used the forecasted hourly demand that is part of the National Database that I 16 discussed earlier. 17 **II.** Purchased Power and Fuel Normalization 18 What method for normalizing the test year fuel and purchased power expense did **Q**: 19 you use in this case? 20 A: The proper method for normalizing the test year fuel and purchased power expense is to 21 normalize and annualize the system peak and energy, the market price of purchased

23 available generating resources. After determining the appropriate normalized and

power, the prices paid for fuel, generating system maintenance and forced outages, and

22

annualized values, an accurate production cost computer modeling tool is used to develop
 the appropriate generation and purchased power levels and resulting fuel and purchased
 power expenses. KCP&L used the MIDASTM model for its production cost model.

4 Q: Please describe the MIDASTM model used in this normalization.

5 This is the same modeling software used to generate the market price forecasts described A: 6 previously. For purposes of running the production cost modeling used in this 7 normalization, the model was run in "Price Mode" which means that the user inputs the 8 market prices into the model, rather than using the model to generate the prices. The 9 prices input into the model were the prices generated by the previously described price 10 forecasting process. The model performs an economic dispatch of the Company's 11 generating units and available market purchases in order to serve load in a least cost 12 manner. The Company uses this model for various purposes, such as generating market 13 price forecasts, long-term resource planning decisions, fuel and interchange budgeting, 14 purchase and sales analysis, and other purposes.

15 Q: Please of

Please describe the normalization of the system requirements for this rate case.

16 A: KCP&L's native load was adjusted to reflect weather normalized and annualized 17 customer growth by the Company's load forecasting personnel. This process is described 18 in more detail in the Direct Testimony of KCP&L witness George M. McCollister. This 19 resulted in revised monthly peak demands and energy requirements, which were input into the MIDASTM program. The program distributed the monthly energy requirements 20 21 on an hourly basis. The software uses the normalized monthly energy and peaks, and 22 actual historical hourly system loads to shape the normalized loads on an hourly basis. 23 The resulting load shape was then used in the normalized production cost modeling case.

The Company's wholesale contract customers have been added to the native load to
 arrive at the total system requirements.

3 Q: Please describe these wholesale contract customers.

4 A: KCP&L makes capacity and energy sales to City Utilities of Springfield and the City of
5 Independence. The revenue for these transactions and the associated fuel expense is
6 imbedded in the modeling results provided in Schedule BLC-4 (HC). They are not
7 included in the off-system sales described in the Direct Testimony of KCP&L witness
8 Michael M. Schnitzer.

9 Q: Please describe the normalization of fuel prices.

A: The normalized fuel prices used in the modeling were developed by KCP&L witness
Wm. Edward Blunk and are described in detail in his Direct Testimony. These
normalized fuel prices were input into the model on a plant-specific basis and then were
used in the normalized production cost modeling. The natural gas prices provided by Mr.
Blunk were also used in the process of modeling wholesale energy market prices.

15 Q: Please describe the normalization of maintenance outages.

16 A: The Company performs scheduled maintenance on the base load generating units on a 17 cyclical basis over a number of years. That is to say a specific unit in any given year may 18 have an extended turbine generator outage, a shorter boiler outage, a short inspection 19 outage or no outage at all. In addition, the Wolf Creek Nuclear Generating Station's 20 refueling and maintenance outages occur every eighteen months, either in the spring or 21 fall. Thus, every third year Wolf Creek is available for the entire year. As a result, in 22 any specific year there may be higher or lower scheduled maintenance outages than the 23 long term average maintenance outages. In order to normalize the availability of the

1		generating resources for the test year, KCP&L computed the total number weeks that a
2		unit would be scheduled for maintenance over the maintenance cycle and averaged this
3		amount by the number of years in the maintenance cycle. These normalized maintenance
4		outages were then spread over the test year to develop a test year maintenance schedule.
5		These outages were scheduled so that no two units would be out at the same time and that
6		all the base load generating resources would be available during the peak load periods of
7		June through September. This approach resulted in a total amount of generation
8		capability "lost" due to maintenance activities that is approximately equal to the long-
9		term average. Schedule BLC-3 (HC) contains the maintenance schedule that was used
10		for the normalization. Schedule BLC-3 (HC) is Highly Confidential as it contains
11		market-specific information related to services provided by KCP&L in competition with
12		other utilities and market participants.
13	Q:	Please describe the normalization of generating resources available capacity.
14	A;	The generating resources available in the rate case modeling are the same as the
15		Company's existing resources with adjustments made to normalize the capacity to the
16		levels that are expected to be in place and operational as of March 31, 2009. First, long-
17		term purchase power contract levels were adjusted to reflect the capacity levels that are
18		term purchase power contract levels were adjusted to reflect the capacity levels that are
10		committed effective March 31, 2009. Second, any temporary limitations of generating
19		
		committed effective March 31, 2009. Second, any temporary limitations of generating
19		committed effective March 31, 2009. Second, any temporary limitations of generating capacity that currently exist and that are expected to be mitigated by that time have been
19 20	Q:	committed effective March 31, 2009. Second, any temporary limitations of generating capacity that currently exist and that are expected to be mitigated by that time have been eliminated. Likewise, the generating capacity of existing units has been adjusted for the

23 rate case?

1	A:	The wind generation was modeled based upon the projected output for the Spearville		
2		Wind Energy Facility. The actual wind profile data was used to develop projected typical		
3		weekly energy output data. This generation was included in the Company's total		
4		generation resource mix.		
5	Q:	What is your opinion of the results of this modeling?		
6	A:	The modeling assumptions for operating heat rates, equivalent forced outage rates,		
7		capacity, and other key inputs are based upon historical averages. After making the		
8		normalization adjustments described previously, I believe the results are reasonable.		
9	Q:	For the test period, what expense items, if any, were adjusted as a result of		
10		normalizing fuel and purchased power expense?		
11	A:	Adjustments were made to the fuel costs to reflect both the normalized fuel market and		
12		normalized generation levels. Also, purchased power expense was adjusted to reflect the		
13		changes in the quantity of energy purchased and the price of such purchases. Schedule		
14		BLC-4 (HC) shows the generation levels by resource type and the purchased power		
15		levels, the costs of each, and the revenues from the wholesale contract customers. The		
16		adjustments are reflected in Schedule JPW-2, attached to the Direct Testimony of		
17		KCP&L witness John P. Weisensee (Adj-38 & Adj-40).		
18		III. Adjustments to the Projected off-System Sales Margins		
19	Q:	Does KCP&L propose any adjustments to the amount of off-system sales margins		
20		computed by witness Michael M. Schnitzer?		
21	A:	Yes. KCP&L has included an adjustment to the computed 25 th percentile off-system		
22		sales margins in order to recognize the impact of the Purchases for Resale transactions in		

1		the computation of the Company's actual off-system sales margins. Additionally, an		
2		adjustment is made for SPP line loss charges.		
3	Q:	What are Purchases for Resale?		
4	A:	These transactions represent KCP&L wholesale sales that are supplied by purchased		
5		power as compared to wholesale sales supplied by generation owned by the Company.		
6	Q:	Please provide more detail.		
7	A:	In this case, we have classified four categories of Purchases for Resale. They are as		
8		follows:		
9		(1) Transactions where a sale to the SPP Energy Imbalance Market ("EIS") was supplied		
10		by a bilateral (wholesale) purchase. These are shown as Transaction Type 1 in		
11	Schedule BLC-5 (HC). These transactions began in February 2007 with the			
12		implementation of the SPP EIS market. Therefore, the proposed adjustment		
13		annualizes the test period values.		
14	(2) Transactions where a bilateral sale was supplied by a bilateral purchase. KCP&L			
15	makes day-ahead purchases based upon its expected loads, availability of firm			
16	transmission for purchases, availability and price of energy for purchase, and			
17	generating resource availability in an effort to limit its exposure to the real-time,			
18	hourly spot-market purchases, and the availability of firm transmission on a real-time,			
19	hourly basis. These types of transactions are typically made with the intent to serve			
20		KCP&L's estimated load obligations, however, not all of the energy purchased is		
21		required to meet actual needs in real time and, therefore, a portion is sold wholesale.		
22		These are shown as Transaction Type 2 in Schedule BLC-5 (HC).		

1		(3) Transactions where a sale to the SPP EIS market was supplied by an SPP EIS market			
2		purchase. These transactions are typically the result of imbalances between KCP&L			
3		forecasted and actual generation, as KCP&L does not intentionally simultaneously			
4		purchase from the SPP EIS market and sell the energy back to the SPP EIS market at			
5		another location. An example of this type of transaction is when KCP&L's actual			
6		hourly energy production at one generator is greater than scheduled, and creates a sale			
7		to the SPP EIS market, while energy production at another KCP&L generator is less			
8		than scheduled, thus creating a purchase from the SPP EIS market. These are shown			
9		as Transaction Type 3 in Schedule BLC-5 (HC).			
10		(4) Transactions where a bilateral sale was supplied by an SPP EIS market purchase.			
11		These are shown as Transaction Type 4 in Schedule BLC-5 (HC).			
12	Q:	Why is it appropriate to include these transactions in the off-system sales margin?			
13	A:	In the normal course of ensuring that adequate energy is reliably available in real time to			
14		meet all KCP&L energy obligations, KCP&L experiences all four of the wholesale			
15		transactions described above. The total net revenue from these transactions (revenue less			
16	cost) is typically negative. The cost of these transactions is not reflected in the off-				
17	system sales margin analysis performed by Michael M. Schnitzer. Mr. Schnitzer's				
18	analysis reflects the sales made from KCP&L's generating and contracted resources.				
19	Without this adjustment, the revenue and costs associated with Purchases for Resale				
20		would not be recognized for recovery.			
21	Q:	What is the basis for the net amount of Purchase for Resale included in this case?			
22	A:	The amount of Purchases for Resale included in this case is based on actual Purchases for			
23		Resale during the test year. These amounts are shown in Schedule BLC-5 (HC).			

1	Q:	Since KCP&L proposes to return any off-system sales margins over the 25 th			
2		percentile to their retail customers, will Purchases for Resale be included as part of			
3		the margin tracking process?			
4	A:	Yes. KCP&L proposes to include Purchase for Resale transactions in the calculation of			
5		actual off-system sales margin.			
6	Q:	How does KCP&L calculate actual off-system sales margins?			
7	A:	Actual off-system sales margins are determined by subtracting from off-system sales			
8		revenue the fuel and purchased power costs that supported the sales.			
9	Q:	How does KCP&L determine fuel and purchased power costs that support off-			
10		system sales?			
11	A:	KCP&L uses a computer program called Post Analysis ("PA") to determine the sources			
12		of energy used to support the off-system sales. Data on actual generation availability (by			
13		generating plant) and actual purchased power transactions are input to the model as			
14		potential sources of energy available to support off-system sales. Data on actual			
15		wholesale sales transactions are also entered.			
16	The PA program then uses a re-dispatch algorithm to determine the incremental effect of				
17		each wholesale sale on generation and purchased power. This process results in the			
18		highest cost available sources of energy (either generation or purchased power) being			
19		assigned to support off-system sales and the lowest cost available sources of energy being			
20		assigned to serve KCP&L's native load requirements. This process is performed for each			
21		historical hour.			
22		Once the allocation process is complete, the results indicate which generating plants and			

23 purchased power transactions were used to supply off-system sales in any given historical

1		hour. Average fuel costs by plant are matched with the amount of energy produced by			
2		each plant (as determined by PA) to determine the fuel cost needed to support off-system			
3		sales. Fuel cost is combined with the cost of purchased power (as determined by PA) to			
4		calculate the total cost to supply off-system sales.			
5	Q:	Is this methodology for calculating actual off-system sales margins consistent with			
6		the methodology used by Michael M. Schnitzer to determine the 25th percentile of			
7		off-system sales margins in the current case?			
8	A:	Yes, but only for sales made from KCP&L's generating plants. Mr. Schnitzer's off-			
9		system sales margin computation does not take into account the cost or revenues			
10		associated with Purchases for Resale transactions.			
11	Q:	How does the SPP EIS market impact the calculation of KCP&L's off-system sales			
12		margins?			
13	A:	The extremely large volume of balancing transactions caused by the implementation of			
14		the SPP EIS market in February, 2007 are allocated in large part to wholesale sales by the			
15		PA computer model for purposes of calculating margins.			
16	Q:	Please describe the effect of the SPP EIS market on off-system sales.			
17	A:	The SPP EIS market is based on the concept of "imbalances." Any difference between			
18		actual generation output and scheduled generation output is considered an imbalance that			
19		is financially settled through the SPP EIS market. For example, if a generator is			
20		scheduled to produce 100 MWhs in a given hour, but actually produces 101 MWhs, SPP			
21		will pay the generator for the additional 1 MWh of generation based on the market price			
22		of energy for that hour and geographic location. This creates a 1 MWh sale to SPP. If in			
18 19 20 21	Α.	actual generation output and scheduled generation output is considered an imbalance to is financially settled through the SPP EIS market. For example, if a generator scheduled to produce 100 MWhs in a given hour, but actually produces 101 MWhs, S will pay the generator for the additional 1 MWh of generation based on the market pr			

generator for the 1 MWh not produced. This creates a 1 MWh purchase from SPP. Prior
to the SPP EIS market operation, this over- and under-generation did not create a
wholesale transaction. Each of these SPP EIS market transactions, both purchases and
sales, are included in the PA allocation process.

5 Q: Does KCP&L propose any other adjustments to the amount of off-system sales
6 margins computed by Michael M. Schnitzer?

7 A: In addition to the Purchases for Resale adjustment, KCP&L has included SPP line loss
8 charges as an adjustment to the off-system sales margin

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Q: What are SPP line loss charges?

A: The SPP assesses a charge on wholesale energy transactions that exit the SPP EIS market
footprint. This charge is to compensate transmission owners for transmission system
energy losses. These losses are a result of physical power flows over the transmission
system. KCP&L pays these line loss charges on a portion of its off-system sales. In
addition, KCP&L receives a share of the loss charges collected from SPP.

15 Q: Why is it appropriate that KCP&L adjust the off-system sales margins for SPP line 16 loss charges?

17 A: KCP&L pays these line loss charges on a portion of its off-system sales. As such, this is 18 an expense related to off-system sales transactions. The model used by Mr. Schnitzer for 19 determining the off-system sales margins assumes the sales are made at the generator bus, 20 therefore, the SPP line loss charges are not included.

21 Q: What is the basis of the SPP line loss charge amount included in this case?

A: The net SPP line loss charge amount included in this case is \$2,035,923. This is theactual 2007 test year's net line loss charge from SPP, annualized for the fact that the SPP

1		EIS market was only in place for 11 months of the test year. This adjustment is show in
2		Schedule BLC-6.
3	Q:	Please summarize the proposed adjustments to Mr. Schnitzer's 25 th percentile off-
4		system sales margins?
5	A:	The total adjustments to the off-system sales margin calculated by Mr. Schnitzer can be
6		found in Schedule BLC-7 (HC).
7	Q:	Does that conclude your testimony?
8	A:	Yes, it does.

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

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In the Matter of the Application of Kansas City Power & Light Company to Modify Its Tariff to Continue the Implementation of Its Regulatory Plan

Case No. ER-2009-

AFFIDAVIT OF BURTON L. CRAWFORD

STATE OF MISSOURI) ss **COUNTY OF JACKSON**

Burton L. Crawford, being first duly sworn on his oath, states:

My name is Burton L. Crawford. I work in Kansas City, Missouri, and I am 1. employed by Kansas City Power & Light Company as Manager, Energy Resource Management.

- Attached hereto and made a part hereof for all purposes is my Direct Testimony 2. on behalf of Kansas City Power & Light Company consisting of $\frac{f_1 f_2}{f_1 f_2}$ (5) pages, having been prepared in written form for introduction into evidence in the above-captioned docket.
- I have knowledge of the matters set forth therein. I hereby swear and affirm that 3. my answers contained in the attached testimony to the questions therein propounded, including any attachments thereto, are true and accurate to the best of my knowledge, information and belief.

Burton L. Crawford

Subscribed and sworn before me this 5th day of August 2008.

nicol A.1 Notary Public

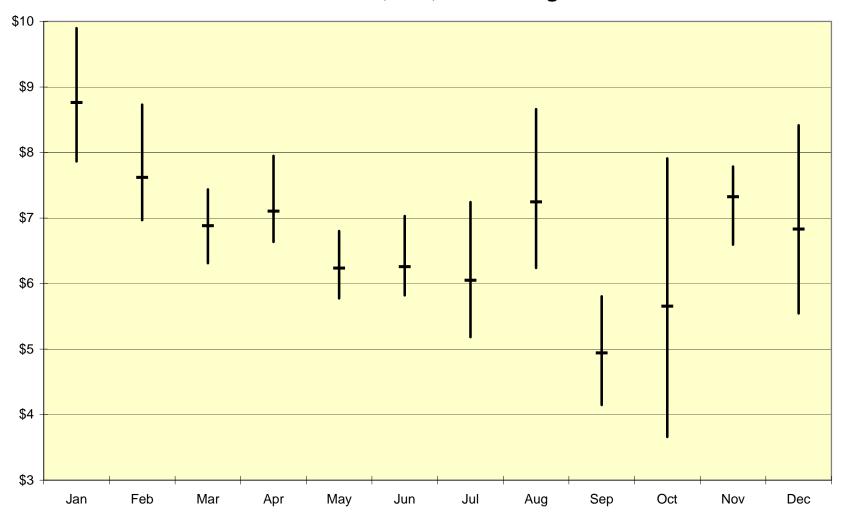
My commission expires: <u>F.J.J.J.</u>

•	"NOTARY SEAL "
8	Nicole A. Wehry, Notary Public 2
•	Jackson County, State of Missouri
2	My Commission Expires 2/4/2011
\$	Commission Number 07391200
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SCHEDULES BLC-1

THIS DOCUMENTS CONTAINS HIGHLY CONFIDENTIAL INFORMATION NOT AVAILABLE TO THE PUBLIC

2007 Intramonth NYMEX Gas Prices Max, Min, and Average



SCHEDULES BLC-3 THROUGH BLC-5

THESE DOCUMENTS CONTAIN HIGHLY CONFIDENTIAL INFORMATION NOT AVAILABLE TO THE PUBLIC

Adjustment for SPP Line Loss Charges & Revenues Schedule BLC-6

2007 Actuals - SPP Line Loss Charges & Revenues

	Loss Charge	Loss Revenue
Jan		44,393
Feb	129,319	88,892
Mar	196,211	85,376
Apr	282,642	98,222
Мау	222,398	125,925
June	224,809	119,298
July	168,233	87,808
August	196,336	122,315
September	324,180	101,843
October	372,762	97,397
November	533,552	183,608
December	394,919	131,211
Total	3,045,360	1,286,287
Annualized	3,322,210	1,286,287
		0.005.000
Net Adjustment		2,035,923

SCHEDULE BLC-7

THIS DOCUMENT CONTAINS HIGHLY CONFIDENTIAL INFORMATION NOT AVAILABLE TO THE PUBLIC