MISSOURI PUBLIC SERVICE COMMISSION

STAFF REPORT

CLASS COST OF SERVICE and RATE DESIGN



KCP&L GREATER MISSOURI OPERATIONS COMPANY CASE NO. ER-2009-0090

Jefferson City, Missouri February 27, 2009

STAFF REPORT CLASS COST-OF-SERVICE and RATE DESIGN

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STAFF CLASS COST-OF-SERVICE & RATE DESIGN REPORT

Ī. STAFF RATE DESIGN RECOMMENDATION

The Staff recommends that any overall revenue increase granted to KCP&L Greater

Missouri Operations Company (GMO) be accomplished by an equal percentage increase to

each customer class and within each class to each rate component of each rate schedule.

GMO is the new name of Aquila, Inc., which provided electric service in two service

territories in Missouri doing business as Aquila Networks-MPS (MPS) and Aquila Networks-

L&P (L&P).

The latest comprehensive class cost-of-service and rate design review for GMO began

in February 2002 in Case EO-2002-384. However, due to the large amount of data needed

and the amount of analysis necessary to conduct a comprehensive class cost-of-service study,

direct testimony was not filed until September 2005. The rate design case was settled by the

stipulation and agreement that the Commission approved in Case No. ER-2005-0436. This

rate design approved by the Commission was maintained by equal percentage increases to the

customer classes in GMO's most recent rate case (Case No. ER-2007-0004). In this case

equal percentage increases to each customer class and within each class to each rate

component of each rate schedule for any increase in revenue requirement ordered in this case

will also maintain the inter- and intra-class rate design from Case No. ER-2005-0436.

Staff intends to reexamine class cost-of-service and rate design subsequent to Iatan 2

being put into service because GMO will incur a large increase in capital costs associated with

Iatan 2 and those costs will impact the GMO class revenue requirements.

Staff expert: Walt Cecil

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II. FAC Expansion Factors

Staff updated system losses for GMO's operational areas L&P and MPS. This update included losses for metered secondary voltage, and metered primary voltage and above. In general, the estimated losses represent a slight reduction from previously documented losses.

These system losses are the basis for calculating the FAC expansion factors. The expansion factors account for the energy losses incurred in the transmission and distribution of energy from the generator to the customer. They are used in the FAC calculations to convert the cost per kWh, at the system input voltage, to the cost per kWh at the customer's metered voltage. Tables 1 and 2 provide the FAC expansion factors.

Table 1: L&P		
Voltage Level	Expansion Factor	
Primary	1.0444	
Secondary	1.0700	

Table 2: MPS		
Voltage Level	Expansion Factor	
Primary	1.0444	
Secondary	1.0679	

Staff Expert: David Roos

III. Fuel Adjustment Clause Tariff

Staff is recommending changes to the GMO fuel adjustment clause (FAC) tariff sheets in order to clarify some components in the formulas, to simplify some of the formulas, and to make the formulas more consistent with those of the FAC tariff provisions of other Missouri electric utilities. Staff is providing an example GMO FAC tariff as Attachment 1 (as initially provided by Tim Rush of KCP&L) to illustrate recommended changes to the current approved GMO FAC tariff. Attachment 2 (as initially provided by Tim Rush of KCP&L) is the example GMO FAC tariff with all the recommended changes incorporated.

Staff recommends that the GMO FAC tariff explicitly state the cost and revenue components that will be included in calculating the cost adjustment factor (CAF), and that

those components include:

1. Actual cost of fuel in FERC Accounts 501 and 547;

2. Actual cost of purchased energy in FERC Account 555;

3. Actual emissions allowance cost in FERC Account 509;

4. Actual cost of participation in the Southwest Power Pool (SPP), specifically regarding

SPP variable cost associated with energy imbalance market settlements and revenue

neutrality uplift charges;

5. Revenue from off-system energy sales margin and any emission allowance sales; and

6. Actual cost of interest for deferred electric energy costs

Further, as regards the CAF formula, Staff recommends use of total net system input

in kWh (NSI), as opposed to the use of billing sales found in the current CAF formula, as a

way to simplify the CAF formula and to make it more consistent with the CAF formulas

found in the FAC tariff provisions of other Missouri electric utilities. Other, less significant

changes, are also reflected in the attached specimen tariff, and are recommended with the

objective of making the entire FAC process more transparent and efficient.

Attachments 1 and 2 include base energy costs for GMO-L&P and for GMO-MPS and

reflect Staff's estimates of direct base fuel and purchased power costs. These base energy

costs and any future updated base energy costs should be allocated to GMO-L&P and GMO-

MPS using the allocation methodology described in Staff's Cost of Service Report.

Staff Witness/Expert: John A. Rogers

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P.S.C. M	IRI, PUBLIC SERVICE COMMIS O. No1 O. No.	SION 1 st	Original Sheet No Sheet No.	
Aquila, Inc., dba	5. No	,	Sheet No	127
	ssouri Operations Company	Fo	or Territory Formerly S	Served by
	64106 Aquila Networks -		,	,
	FUEL ADJUSTM			
	ELEC1	TRIC		
<u>DEFINITIONS</u>				
The two six-ı correspondir	ERIOD <mark>S, FILING DATES AND Reserved AND RESER</mark>	n year through Augus and <u>the</u> filing dates	st 5, 2013, the two will be as <u>shown belo</u>	
	Accumulation Periods	Filing Dates	Recovery Pe	riods
I	June – November	By January 1	March – Feb	
	December – May	By July 1	September – A	August
	D: onths during which the Cost Adju n periods are applied to retail cus			
COSTS:				
	e for Fuel Adjustment Clause (FA	C) will be the Comp	any's allocated variab	ماد
	sdictional costs for the fuel comp			
	ts associated with the Company'			
	uding applicable transmission fee			
	n allowance costs <u>– all as incurre</u>			
will be offset	by off-system sales margin and a	any emission allowa	nce revenues collecte	d during

APPLICABILITYTION

The price per kWh of electricity sold to retail customers will be adjusted (up or down) periodically subject to application of the FAC mechanism and approval by the Missouri Public Service Commission. The price will reflect accumulation period Missouri Jurisdictional costs above or below base costs for:

the Accumulation Period. Eligible costs do not include the purchased power demand costs

1.variable fuel components related to the Company's electric generating plants;

2.purchased power energy charges;

associated with purchased power contracts.

3.emission allowance costs;

4.an adjustment for recovery period sales variation. This is based on the difference between the values of the FAC as adjusted minus actual FAC revenue during the recovery period. This amount will be collected or refunded during a succeeding recovery period;

5.interest on deferred electric energy costs, which shall be determined monthly. Interest shall be calculated at a rate equal to the weighted average interest rate paid on short-term debt, applied to the month-end balance of deferred electric energy costs. The accumulated interest shall be included in the determination of the CAF.

The FAC will be the aggregation of (1), (2), (3), minus the base cost of fuel, all times 95%, plus or minus (4), plus (5), above.

The Cost Adjustment Factor-CAF is the result of dividing the FAC by forecasted net system input (NSI) estimated kWh sales during the recovery period, rounded to the nearest \$.0001, and aggregating over two accumulation periods. A CAF will appear on a separate line on retail customers' bills. The formula and components are displayed below.

Issued: September 5, 2008 Effective: August 5, 2009

	STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
	P.S.C. MO. No1 Original Sheet No Sheet No Sheet No 125
I	Aquila, Inc., dba
	KCP&L Greater Missouri Operations Company KANSAS CITY, MO 64106 Aquila Networks - L&P and Aquila Networks — MPS (L&P and MPS) FUEL ADJUSTMENT CLAUSE (CONTINUED) ELECTRIC
1	ELECTRIC
	FORMULAS AND DEFINITIONS OF COMPONENTS
	$FAC_{Sec} = \{ [95\% * (F + P + E - B)] * \{ (S_{ASec} * L_{Sec}) / [(S_{ASec} * L_{Sec}) + (S_{APrim} * L_{Prim})] \} + C_{Sec} \}$
	$FAC_{Prim} = \{ [95\% * (F + P + E - B)] * \{ (S_{APrim} * L_{Prim}) / [(S_{ASec} * L_{Sec}) + (S_{APrim} * L_{Prim})] \} + C_{Prim} \} $
	FAC = 95% * ((TEC * J) - B) + C + I
	<u>CAF = FAC/NSI</u>
	The Cost Adjustment Factor (CAF) is as follows:
	Single Accumulation Period Secondary Voltage CAF _{Sec} = <u>CAF</u> * <u>XF_{Sec}</u> FAC_{Sec} / S_{RSec}
	Single Accumulation Period Primary Voltage CAF _{Prim} = <u>CAF * XF_{Prim}</u> FACPrim / S _{RPrim}
	Annual Secondary Voltage CAF = Aggregation of the Single Accumulation Period Secondary Voltage CAFs still to be recovered
	Annual Primary Voltage CAF = Aggregation of the Single Accumulation Period Primary Voltage CAFs still to be recovered
	Where:
	FAC _{Sec} = Secondary Voltage FAC
	FAC _{Prim} = Primary Voltage FAC _95% = Customer responsibility for fuel variance from base level
	TEC = Total energy cost, which consists of the sum of:
	Actual variable cost of fuel in FERC Accounts 501 & 547
	Actual cost of purchased energy in FERC Account 555
	 E = Actual emission allowance cost in FERC Account 509 SPP variable costs associated with energy imbalance market settlements and
	revenue neutrality uplift charges
	Less:
	 Off-system sales margin revenue and any emission allowance sales revenue
	J = Missouri energy retail ratio = Missouri retail kWh sales/total system kWh sales
	B = Base <u>energy costs including</u> variable fuel costs, purchased energy, <u>transportation</u> <u>costs</u> and emission allowances <u>less off-system sales</u> are calculated as shown
ı	below: Aquila Networks – L&P S _A x Applicable Base Energy Cost
	Aquila Networks — Lar S _A x Applicable Base Energy Cost Aquila Networks — MPS S _A x Applicable Base Energy Cost
	C = Under / Over recovery determined in the true-up of prior recovery period cost,
	including accumulated interest, and modifications due to prudence reviews
	C _{Sec} = Lower than Primary Voltage Customers
	C _{Prim} = Primary and Higher Voltage Customers I = Interest on deferred electric energy costs calculated at a rate equal to the weighted
	average interest paid on short-term debt applied to the month-end balance of deferred electric energy costs
	NSI = Forecasted Missouri net system input in kWh for the Recovery Period

XF = Expansion factor by voltage level

XF_{Sec} = Expansion factor for lower than primary voltage customers

XF_{Prim} = Expansion factor for primary and higher voltage customers

S_A = Actual sales (kWh) for the accumulation period

S_{ASec} = Lower than Primary Voltage Customers

S_{APrim} = Primary and Higher Voltage Customers

S_R = Estimated sales (kWh) for the recovery period

S_{RSec} = Lower than Primary Voltage Customers

S_{RPrim} = Primary and Higher Voltage Customers

L = Loss factor by voltage level

L_{Sec} = Lower than Primary Customers

L_{Prim} = Primary and Higher Customers

Issued: September 5, 2008 Effective: August 5, 2009

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION					
P.S.C. MO. No	1	1 st	Original Sheet No	126	
Canceling P.S.C. MO. No.			Sheet No.	126	
Aquila, Inc., dba			_		
KCP&L Greater Missouri Opera	KCP&L Greater Missouri Operations Company For Territory Formerly Served by				
KANSAS CITY, MO 64106	Aquila Networks	- L&P and Aquila	Networks - MPS (L&P	and MPS	
FUEL ADJUSTMENT CLAUSE (CONTINUED)					
ELECTRIC					

The FAC will be calculated separately for <u>L&P and MPS</u>, <u>Aquila Networks – L&P and Aquila Networks – MPS</u> and by voltage level, and the resultant CAF's will be applied to customers in the respective divisions and voltage levels.

APPLICABLE BASE ENERGY COST

Company base energy cost per kWh sold:

\$0.01540.01799 for Aquila Networks — L&P for October through Mayuntil effective date of this tariff.

\$0.01600.02429 for Aquila Networks — L&P for June through September beginning with the effective date of this tariff.

\$<u>0.0240</u>0.02538 for Aquila Networks — MPS for October through Mayuntil effective date of this tariff.

\$0.02880.03578 for Aquila Networks — MPS for June through September beginning with the effective date of this tariff.

TRUE-UPS AND PRUDENCE REVIEWS

There shall be prudence reviews of costs and the true-up of revenues collected with costs intended for collection. FAC costs collected in rates will be refundable based on true-up results and findings in regard to prudence. Adjustments, if any, necessary by Commission order pursuant to any prudence review shall also be placed in the FAC for collection unless a separate refund is ordered by the Commission. True-ups occur at the end of each recovery period. Prudence reviews shall occur no less frequently than at 18 month intervals.

Issued: September 5, 2008 Effective: August 5, 2009

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. MO. No.	1	1 st	Original Sheet No.	127
Canceling P.S.C. MO. No.			Sheet No.	127

KCP&L Greater Missouri Operations Company

for all territories formerly served by Aquila Networks, Inc. – L&P and Aquila Networks, Inc. MPS (L&P and MPS)

KANSAS CITY, MO 64106

FUEL ADJUSTMENT CLAUSE (CONTINUED) ELECTRIC

COST ADJUSTMENT FACTOR

		MPS	<u>L&P</u>
Accumulation Period Ending		11/30/08	11/30/08
1 Total Energy Cost (TEC)			
2 Jurisdictional Factor (J)	*		
3 First Interim Total			
4 Base energy cost (B)	Ξ		
5 Second Interim Total			
6 Customer Responsibility	*	<u>95%</u>	<u>95%</u>
7 Third Interim Total			
8 Adjustment for Under / Over recovery for	+		
prior periods and Modifications due to			
prudence reviews (C)			
9 Interest (I)	<u>+</u>		
10 Fuel Adjustment Clause (FAC)			
<u>11 NSI</u>	÷		
12 Fourth Interim Total			
13 Current period CAF _{Prim} (= Line 12 * XF _{Prim})			
14 Previous period CAF _{Prim}	<u>+</u>		
15 Current annual CAF _{Prim}			
16 Current period CAF _{Sec} (= Line 12 * XF _{Sec})			
17 Previous period CAF _{Sec}	<u>+</u>		
18 Current annual CAF _{Sec}			

Expansion Factors (XF):

<u>Network:</u>	Primary	Secondary	
MPS	1.0444	1.0679	
L&P	1.0444	1.0700	

Issued: December 30, 2008	Effective: March 1, 2009
Issued by: Tim Rush, Regulatory Affairs	

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION				
P.S.C. MO. No.	1	1 st	Original Sheet No.	124
Canceling P.S.C. MO. No.			Sheet No.	124
KCP&L Greater Missouri Opera KANSAS CITY, MO 64106	•		For Territory Formerly Networks – MPS (L&P	•
	FUEL ADJUSTMEN	T CLAUSE		
	ELECTRIC			

DEFINITIONS

ACCUMULATION PERIODS, FILING DATES AND RECOVERY PERIODS:

The two six-month accumulation periods each year through August 5, 2013, the two corresponding twelve-month recovery periods and the filing dates will be as shown below. Each filing shall include detailed work papers in electronic format to support the filing.

Accumulation Periods	<u>Filing Dates</u>	Recovery Periods
June – November	By January 1	March – February
December – May	By July 1	September – August

RECOVERY PERIOD:

The billing months during which the Cost Adjustment Factor (CAF) for each of the respective accumulation periods are applied to retail customer billings on a per kilowatt-hour (kWh) basis.

COSTS:

Costs eligible for Fuel Adjustment Clause (FAC) will be the Company's allocated variable Missouri Jurisdictional costs for the fuel component of the Company's generating units, including costs associated with the Company's fuel hedging program; purchased power energy charges, including applicable transmission fees; Southwest Power Pool (SPP) variable costs and emission allowance costs – all as incurred during the Accumulation Period. These costs will be offset by off-system sales margin and any emission allowance revenues collected during the Accumulation Period. Eligible costs do not include the purchased power demand costs associated with purchased power contracts.

APPLICABILITY

The price per kWh of electricity sold to retail customers will be adjusted (up or down) periodically subject to application of the FAC mechanism and approval by the Missouri Public Service Commission.

The CAF is the result of dividing the FAC by forecasted net system input (NSI) during the recovery period, rounded to the nearest \$.0001, and aggregating over two accumulation periods. A CAF will appear on a separate line on retail customers' bills.

Issued: September 5, 2008 Effective: August 5, 2009

STATE OF MISSOURI, PUBLIC'S	SERVICE COMMISS	SION		
P.S.C. MO. No		1 st	Original Sheet No	125
Canceling P.S.C. MO. No.			Sheet No	125
KCP&L Greater Missouri Operat			For Territory Formerly	
KANSAS CITY, MO 64106	Aquila Networks -	L&P and Aquila	Networks – MPS (L&P	and MPS)
FUEL	. ADJUSTMENT CL	AUSE (CONTINU	JED)	
	ELECT	RIC .	•	

FORMULAS AND DEFINITIONS OF COMPONENTS

FAC = 95% * ((TEC * J) - B) + C + I

CAF = FAC/NSI

Single Accumulation Period Secondary Voltage CAF_{Sec} = CAF * XF_{Sec}

Single Accumulation Period Primary Voltage CAF_{Prim} = CAF * XF_{Prim}

Annual Secondary Voltage CAF =

Aggregation of the Single Accumulation Period Secondary Voltage CAFs still to be recovered

Annual Primary Voltage CAF =

Aggregation of the Single Accumulation Period Primary Voltage CAFs still to be recovered

Where:

95% = Customer responsibility for fuel variance from base level

TEC = Total energy cost, which consists of the sum of:

- Actual variable cost of fuel in FERC Accounts 501 & 547
- Actual cost of purchased energy in FERC Account 555
- Actual emission allowance cost in FERC Account 509
- SPP variable costs associated with energy imbalance market settlements and revenue neutrality uplift charges Less:
- Off-system sales margin revenue and any emission allowance sales revenue
- J = Missouri energy retail ratio = Missouri retail kWh sales/total system kWh sales
- B = Base energy costs including variable fuel costs, purchased energy, transportation costs and emission allowances less off-system sales are calculated as shown below:

L&P S_A x Applicable Base Energy Cost MPS S_A x Applicable Base Energy Cost

- C = Under / Over recovery determined in the true-up of prior recovery period cost, including accumulated interest, and modifications due to prudence reviews
- I = Interest on deferred electric energy costs calculated at a rate equal to the weighted average interest paid on short-term debt applied to the month-end balance of deferred electric energy costs

NSI = Forecasted Missouri net system input in kWh for the Recovery Period

XF = Expansion factor by voltage level

XF_{Sec} = Expansion factor for lower than primary voltage customers

XF_{Prim} = Expansion factor for primary and higher voltage customers

 S_A = Actual sales (kWh) for the accumulation period

Issued: September 5, 2008 Effective: August 5, 2009

STATE OF MISSOURI, PUBLIC S	ERVICE COMMISSION			
P.S.C. MO. No.	<u> </u>	1 st	Original Sheet No	126
Canceling P.S.C. MO. No.			Sheet No	126
KCP&L Greater Missouri Operat	ions Company	F	or Territory Formerly	Served by
KANSAS CITY, MO 64106	Aquila Networks - L&P	and Aquila No	etworks – MPS (L&P	and MPS)
FUEL ADJUSTMENT CLAUSE (CONTINUED)				
ELECTRIC				

The FAC will be calculated separately for L&P and MPS, and by voltage level, and the resultant CAF's will be applied to customers in the respective divisions and voltage levels.

APPLICABLE BASE ENERGY COST

Company base energy cost per kWh sold: \$0.0154 for L&P for October through May \$0.0160 for L&P for June through September \$0.0240 for MPS for October through May \$0.0288 for MPS for June through September

TRUE-UPS AND PRUDENCE REVIEWS

There shall be prudence reviews of costs and the true-up of revenues collected with costs intended for collection. FAC costs collected in rates will be refundable based on true-up results and findings in regard to prudence. Adjustments, if any, necessary by Commission order pursuant to any prudence review shall also be placed in the FAC for collection unless a separate refund is ordered by the Commission. True-ups occur at the end of each recovery period. Prudence reviews shall occur no less frequently than at 18 month intervals.

Issued: September 5, 2008 Effective: August 5, 2009

STATE OF MISSOURI, PUBLIC SERVICE COM	MISSION			
P.S.C. MO. No1	1 st	Original Sheet No	127	
Canceling P.S.C. MO. No.		Sheet No	127	
KCP&L Greater Missouri Operations Company for all territories formerly served by Aquila Networks, Inc. – L&P and Aquila Networks, Inc. MPS (L&P and MPS) KANSAS CITY, MO 64106				
FUEL ADJUSTMEN	IT CLAUSE (CONTINI	UED)		
EI	LECTRIC			

COST ADJUSTMENT FACTOR

		MPS	L&P
Accumulation Period Ending		11/30/08	11/30/08
1 Total Energy Cost (TEC)			
2 Jurisdictional Factor (J)	*		
3 First Interim Total			
4 Base energy cost (B)	-		
5 Second Interim Total			
6 Customer Responsibility	*	95%	95%
7 Third Interim Total			
8 Adjustment for Under / Over recovery for	+		
prior periods and Modifications due to			
prudence reviews (C)			
9 Interest (I)	+		
10 Fuel Adjustment Clause (FAC)			
11 NSI	÷		
12 Fourth Interim Total			
13 Current period CAF _{Prim} (= Line 12 * XF _{Prim})			
14 Previous period CAF _{Prim}	+		
15 Current annual CAF _{Prim}			
16 Current period CAF _{Sec} (= Line 12 * XF _{Sec})			
17 Previous period CAF _{Sec}	+		
18 Current annual CAF _{Sec}			

Expansion Factors (XF):

 Network:
 Primary
 Secondary

 MPS
 1.0444
 1.0679

 L&P
 1.0444
 1.0700

Issued: December 30, 2008 Effective: March 1, 2009

Issued by: Tim Rush, Regulatory Affairs

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Application of KCP&L Greater Missouri Operations Company for Approval to Make Certain Changes in its charges for Electric Service) Case No. ER-2009-0090			
AFFIDAVIT OF WALT CECIL				
STATE OF MISSOURI)) ss COUNTY OF COLE)				
Walt Cecil, employee of the Missouri Public Service Commission, being of lawful age and after being duly sworn, states that he has participated in preparing the accompanying Staff Report in pages/, and that the facts therein are true and correct to the best of his knowledge and belief.				
	Walt Cecil			
Subscribed and sworn to before me this 27 day of February, 2009.				
SUSAN L. SUNDERMEYER My Commission Expires September 21, 2010 Callaway County Commission #06942086	Susan Sundermeyer Notary Public			

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Applic Greater Missouri Operation Approval to Make Certain Charges for Electric Service	ons Company for in Changes in its)))	Case No.	ER-2009-0090
	AFFIDAVIT OF	DAVID C.	ROOS	
STATE OF MISSOURI	.)) ss:	,		
COUNTY OF COLE)	•		
David C. Roos, employee of the Missouri Public Service Commission, being of lawful age and after being duly sworn, states that he has participated in preparing the accompanying Staff Report in pages 2-2, and that the facts therein are true and correct to the best of his knowledge and belief.				
		DAVID C. R	oos	
Subscribed and affirn	ned before me this	<u>26</u> d	lay of	February 2009.
NOTARY S	N L. SUNDERMEYER Commission Expires optember 21, 2010 Callaway County mission #06942086	<u>Jusan</u> NOTARY	A SAL PUBLIC	endermey en

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Application of KCP&L Greater Missouri Operations Company for Approval to Make Certain Changes in its Charges for Electric Service.) Case No. ER-2009-0090)
AFFIDAVIT OF	JOHN A. ROGERS
STATE OF MISSOURI)) ss: COUNTY OF COLE)	
John A. Rogers, employee of the Missouri lage and after being duly sworn, states accompanying Staff Report in pages 2-3 correct to the best of his knowledge and belief	that he has participated in preparing the, and that the facts therein are true and
Subscribed and affirmed before me this	27 day of February 2009.

NOTARY OF MISS

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

Susan A Sunderneyen NOTARY PUBLIC

STATE OF MISSOURI

OFFICE OF THE PUBLIC SERVICE COMMISSION

I have compared the preceding copy with the original on file in this office and I do hereby certify the same to be a true copy therefrom and the whole thereof.

WITNESS my hand and seal of the Public Service Commission, at Jefferson City, Missouri, this 15th day of June 2012.

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Steven C. Reed Secretary