THE EMPIRE	DISTRICT ELECTRIC COMF	PANY		Schedu	le WSK-5	
P.S.C. Mo. N	o. <u>5</u>	Sec	4 7th	Revised Sheet No.	17	
Canceling P.S	S.C. Mo. No5	Sec	4 6th	Revised Sheet No.	17	
ForA	LL TERRITORY					
			TMENT CLAUSE OULE FAC			
Fors	service in Accumulation Period	is prior to Septembe		ce in that portion of Accun	nulation	
<u> </u>						
The two six-month accumulation periods, the two six-month recovery periods and filing dates will be as follows:						
	ACCUMULATION PERIOD	RECOVERY PERIOD	ACCUMULATION PERIOD	RECOVERY PERIOD		
	SEPTEMBER	JUNE	MARCH	DECEMBER		

<u>ACCUMULATION</u>	RECOVERY	ACCUMULATION	RECOVERY
<u>PERIOD</u>	<u>PERIOD</u>	<u>PERIOD</u>	PERIOD
SEPTEMBER	JUNE	MARCH	DECEMBER
OCTOBER	JULY	APRIL	JANUARY
NOVEMBER	AUGUST	MAY	FEBRUARY
DECEMBER	SEPTEMBER	JUNE	MARCH
JANUARY	OCTOBER	JULY	APRIL
FEBRUARY	NOVEMBER	AUGUST	MAY
	April 1 st		October 1 st

Filing date:

DEFINITIONS

ACCUMULATION PERIOD:

The six calendar months during which the actual costs subject to this rider will be accumulated for purposes of determining the Cost Adjustment Factor.

RECOVERY PERIOD:

The billing months during which Cost Adjustment Factor (CAF) is 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 total book costs as allocated to Missouri for fuel consumed in Company generating units, including the costs associated with the Company's fuel hedging program; purchased power energy charges, including applicable transmission fees; Southwest Power Pool variable costs, and emission allowance costs during the Accumulation Period. Eligible costs do not include the purchased power demand costs. These costs will be off-set by off-system sales margin and any emission allowance revenues collected in the Accumulation Period.

BASE COST:

Company generated energy and purchased energy cost per kWh at the generator, established by season in the most recent base rate case. The base cost per kWh for the summer months of June through September is \$0.03001. For all other months the base cost per kWh is \$0.02744.

DATE OF ISSUE	August 30, 2010	_	DATE EFFECTIVE	September 29, 2010	
SSUED BY Kelly S	S. Watters, Vice President, Joplin, MO				

THE EMPIR	E DISTRICT	ELECTRIC COMP	ANY			Schedul	e WSK-5
P.S.C. Mo. N	lo.	5	Sec.	4	<u>1st</u>	Revised Sheet No.	<u>17a</u>
Canceling P	.S.C. Mo. No.	5	Sec.	4		Original Sheet No.	<u>17a</u>
For	ALL TERRITO	ORY					
For	FUEL ADJUSTMENT CLAUSE SCHEDULE FAC For service in Accumulation Periods prior to September 10, 2010; and for service in that portion of Accumulation Period 5 prior to September 10, 2010.						
FUEL ADJ The av FAC, a	APPLICATION FUEL ADJUSTMENT CLAUSE The average price per kWh of electricity generated or purchased will be adjusted subject to application of the FAC, and approved by the Public Service Commission. The price will reflect 95 percent of the accumulation period costs either above or below base costs specified below for:						
1.	fuel consu	med in Company	electric gen	erating plants	,		
2.	purchased	energy (excludin	ig demand),				
3.	off-system	sales margin,					
4.	net of emission allowance costs and revenues.						
It will a	lso include:						
5.	5. an adjustment for the prior recovery period sales variation.						
6.	6. Interest: Interest at a rate equal to the Company's short-term interest rate will be applied to the average monthly deferred electric energy costs and will be accumulated during the accumulation period. Deferred electric energy cost shall be determined monthly. The monthly deferred amount may be negative or positive during the accumulation period.						
The formula and components are displayed below.							
		FAC	C = {[(F + P	+ E - O - B) *	J] * 0.95} + C -	+ [

Where:

- F = Actual total net system input cost of fuel FERC Accounts 501 & 547
- P = Actual total net system input cost of purchased energy FERC Account 555 (excluding purchase power demand charges)
- E = Actual total system net emission allowance cost and revenues FERC Accounts 509 & 254.103
- O = Actual total system off-system sales margin
- B = Base cost of fuel and purchased power energy calculated as follows:
 - 1. For the months of June through September B = (NSI kWh * \$0.03001)
 2. For all other months B = (NSI kWh * \$0.02744)

DATE OF ISSUE August 30, 2010	DATE EFFECTIVE	September 29, 2010
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO		

THE EMPIRE DISTRICT ELECTRIC COMPANY Schedule WSK-5							
P.S.C. Mo. No.	5	Sec.	4	1st	Revised Sheet No.	17b	
Canceling P.S.C. Mo. No.	5	Sec.	4		Original Sheet No.	17b	
ForALL TERRITO	RY						
For service in Acc	umulation Periods	SC prior to Septe	JUSTMENT CI HEDULE FAC mber 10, 2010 r to September	; and for service	in that portion of Accumi	ulation	
J = Missouri ene	gy ratio calculate	d as follows:					
	Missour	ri Energy Rat	tio = <u>Missouri</u> Total Sy	Retail kWh sa stem kWh sale	<u>es</u> es		
Where Total	System kWh Sale	es excludes (off-system sa	les			
C = True-up of Under/Over recovery of FAC balance from prior Recovery period as included in the deferred energy cost balancing account. This factor will reflect any modifications made due to prudence reviews = Interest							
COST ADJUSTMENT FACTOR The Cost Adjustment Factor ("CAF") is the result of dividing the FAC by estimated recovery period Missouri net system input (NSI) kWh, rounded to the nearest \$.00000. The CAF shall be adjusted to reflect the differences in line losses that occur at primary and above voltage and secondary voltage by multiplying the average cost at the generator by 1.0520 and 1.0728, respectively. Any CAF authorized by the Commission shall be billed based upon customers' energy usage on and after the authorized effective date of the CAF. The formula and components are displayed below.							
		C	AF = FAC				
Where:			S				
S = Forecasted Missouri NSI kWh for the Recovery Period. Missouri NSI kWh is calculated as:							
Missouri NSI = Forecasted NSI * <u>Forecasted Missouri Retail kWh sales</u> Forecasted Total System kWh sales							
Where Forecasted Total System kWh Sales excludes off-system sales							
PRUDENCE REVIEW There shall be a periodic review of fuel and energy costs subject to the FAC, and a comparison of the FAC revenue collected. In addition, the review shall determine if the costs subject to the FAC were prudently incurred by the Company. FAC cost and the FAC charges are subject to adjustment if found to be imprudent by the Commission. The normal true-up of over/under recovery of FAC cost occurs at the end of each Recovery period.							

Prudence reviews shall occur no less frequently than at eighteen (18) month internvals.

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SSUED BY Kelly S. Walters, Vice President, Joplin, MO		550000000000000000000000000000000000000

THE EMPIRE	DISTRICT EL	ECTRIC COMP	ANY			Schedul	e WSK-5			
P.S.C. Mo. No5 Sec44th						Revised Sheet No.	17c			
Canceling P.S	S.C. Mo. No	Revised Sheet No.	17c							
For <u>A</u>	ForALL TERRITORY									
Fors	ervice in Accu	mulation Period	SC Is prior to Septe		C 0; and for servic	e in that portion of Accum	ulation			
			Period 5 prior	r to Septembe	er 10, 2010.					
ACCUMULA	TION PERIC	D ENDING, F	eb-28-2010							
1.	Total energy	y cost (F + P +	E - O)			\$79,4	31,215			
2.	Base energ	y cost (B)				\$75,5	40,365			
3.	Missouri En	ergy Ratio (J)					0.8303			
4.	Fuel Cost R	ecovery [(F+	P + E - O) – B) * J		\$3,1	39,134			
5.	Adj for Over/Under recovery for the Recovery period ending 11-30-2009 (C)					\$338,622				
6.	Interest (I)					\$2,142				
7.	Fuel Adjust	ment Clause (FAC)			\$3,4	479,898			
8.	Forecasted	Missouri NSI	for the Recove	ery Period (S)	2,289,6	022,607			
9.		ment Factor (0 nning 06-01-2	CAF) to be app 010	plied		\$0.00	152 / k W h			
10.	CAF - Prima	ary and above	(Line 9 x Prim	nary Expansi	on Factor)	\$0.00	160 / kWh			
11.	CAF - Seco	nday (Line 9 x	Secondary Ex	kpansion Fac	etor)	\$0.00)163 / kWh			
		oansion Factor Expansion Fac								

THE EMPIRE DISTRICT	ELECTRIC COMPANY	Y				Schedule WSK-5
P.S.C. Mo. No.	5	Sec.	4	Original	Sheet No.	17d
Canceling P.S.C. Mo. No.	•	Sec.			Sheet No.	

FUEL ADJUSTMENT CLAUSE SCHEDULE FAC

For service in Accumulation Periods after September 10, 2010; and for service in that portion of Accumulation Period 5 on and after September 10, 2010.

The two six-month accumulation periods, the two six-month recovery periods and filing dates will be as follows:

ACCUMULAT		ACCUMULATION	RECOVERY
<u>PERIOD</u>	PERIOD	<u>PERIOD</u>	PERIOD
			·
SEPTEMBE	R JUNE	MARCH	DECEMBER
OCTOBER	R JULY	APRIL	JANUARY
NOVEMBE	R AUGUST	MAY	FEBRUARY
DECEMBEI	R SEPTEMBER	JUNE	MARCH
JANUARY	OCTOBER	JULY	APRIL
FEBRUAR'	Y NOVEMBER	AUGUST	MAY
	April 1 st		October 1st

Filing date:

For

ALL TERRITORY

The Company will make a Cost Adjustment Factor ("CAF") filing by each Filing Date. The new CAF rates for which the filing is made will be applicable starting with the recovery period that begins following the Filing Date. All CAF filings shall be accompanied by detailed workpapers supporting the filing in an electronic format with all formulas intact.

DEFINITIONS

ACCUMULATION PERIOD:

The six calendar months during which the actual costs subject to this rider will be accumulated for purposes of determining the CAF.

RECOVERY PERIOD:

The billing months during which CAF is 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 total book costs as allocated to Missouri for fuel consumed in Company generating units, including the costs associated with the Company's fuel hedging program; purchased power energy charges, including applicable transmission fees; Southwest Power Pool variable costs, Air Quality Control System ("AQCS") consumables, such as anhydrous ammonia, limestone, and powder activated carbon, and emission allowance costs during the accumulation period. Eligible costs do not include the purchased power demand costs. These costs will be off-set by off-system sales revenue, any emission allowance revenues collected, and renewable energy credit revenues in the accumulation period.

BASE COST:

Company generated energy and purchased energy cost per kWh at the generator, established by season in the most recent base rate case. The base cost per kWh for the summer months of June through September is \$0.03182. For all other months the base cost per kWh is \$0.02857.

DATE OF ISSUE August 30, 2010	DATE EFFECTIVE	September 29, 2010	
SSUED BY Kelly S. Walters, Vice President, Joplin, MO			

	Schedule	e WSK-5	
heet No.		17e	_
heet No.			-
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plants;			

THE EMDIRE	DISTRICT FI	ECTRIC	

P.S.C. Mo. No.	5	Sec.	4	Original	Sheet No.	17e
Canceling P.S.C. M	o. No	Sec.			Sheet No.	
For ALL TE	RRITORY					

FUEL ADJUSTMENT CLAUSE SCHEDULE FAC

For service in Accumulation Periods after September 10, 2010; and for service in that portion of Accumulation Period 5 on and after September 10, 2010.

APPLICATION

FUEL ADJUSTMENT CLAUSE

The average price per kWh of electricity generated or purchased will be adjusted subject to application of the FAC, and approved by the Public Service Commission. The price will reflect 95 percent of the accumulation period costs either above or below base costs specified below for:

- 1. Fuel and AQCS consumables consumed in Company electric generating plants;
- 2. Purchased energy (excluding demand);
- 3. Off-system sales revenue;
- 4. Emission allowance costs and revenues; and
- Renewable energy credit revenues.

It will also include:

- 6. An adjustment for the prior recovery period's over/under recovery of FAC Costs;
- 7. Interest at a rate equal to the Company's short-term interest rate will be applied to the average monthly deferred electric energy costs and will be accumulated during the accumulation period. Deferred electric energy cost shall be determined monthly. The monthly deferred amount may be negative or positive during the accumulation period.

The formula and components are displayed below.

FAC =
$$\{[(F + P + E - O - R - B) * J] * 0.95\} + C + I$$

Where:

- F = Actual total cost of fuel FERC Accounts 501 & 547, and AQCS consumables FERC Account 506.2.
- P = Actual total net system input cost of purchased energy FERC Account 555 (excluding purchase power demand charges).
- E = Actual total system net emission allowance cost and revenues FERC Accounts 509 & 254.103.
- O = Actual total system off-system sales revenue.
- B = Base cost of fuel and purchased power energy calculated as follows:
 - For the months of June through September
 For all other months

B = (NSI kWh * \$0.03182)

er months B = (NSI kWh * \$0.02857)

DATE OF ISSUE August 30, 2010 DATE EFFECTIVE September 29, 2010
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

THE EMPIRE DISTRICT	ELECTRIC COMP	ANY			Sch	nedule WSK-5	
P.S.C. Mo. No.	5	Sec.	4	Original	Sheet No.	17f	
Canceling P.S.C. Mo. No.		Sec.			Sheet No.		
ForALL TERRITO	ORY						
			JUSTMENT C				
For service in A	ccumulation Perio	ods after Septer Period 5 on and	nber 10, 2010	and for service	in that portion of Ac	cumulation	
R = Renewable of J = Missouri end			;				
Missouri energy ratio = <u>Missouri retail kWh sales</u> Total system kWh sales							
Where Tota	l system kWh sa	ales excludes o	off-system sa	iles.			
C = True-up of over/under recovery of FAC balance from prior recovery period as included in the deferred energy cost balancing account. This factor will reflect any modifications made due to prudence reviews.							
I = Interest.							
COST ADJUSTMENT FACTOR The CAF is the result of dividing the FAC by estimated recovery period Missouri net system input (NSI) kWh, rounded to the nearest \$.00000. The CAF shall be adjusted to reflect the differences in line losses that occur at primary and above voltage and secondary voltage by multiplying the average cost at the generator by 1.0502 and 1.0686, respectively. Any CAF authorized by the Commission shall be billed based upon customers' energy usage on and after the authorized effective date of the CAF. The formula and components are displayed below.							
		(CAF = FAC				
Where:			8				
S = Forecasted	S = Forecasted Missouri NSI kWh for the recovery period. Missouri NSI kWh is calculated as:						
Missouri NSI = Forecasted NSI * Forecasted Missouri retail kWh sales Forecasted total system kWh sales							
Where Fore	casted Total Sy	stem kWh Sal	es excludes	off-system sale	es		
PRUDENCE REVIEW There shall be a revenue collected.	periodic review	of fuel and e	nergy costs r no less freq	subject to the uently than at	FAC and a comp eighteen (18) mont	parison of the FAC h internvals.	
TRUE-UP OF FAC							
After completion of each recovery period, the Company will make a true-up filing in conjunction with ar adjustment to its FAC on the first Filing Date that occurs after completion of each recovery period. The true-up adjustment shall be the difference between the revenues billed in the recovery period to the costs authorized for collection in the recovery period, i.e. the true-up adjustment. Any true-up adjustments or refunds shall be reflected in item C above and shall include interest calculated as provided for in item I above.							
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THE EMPIRE	DISTRICT E	LECTRIC COMPA	ANY			S	chedule WSK-5	
P.S.C. Mo. No5						Sheet No.	17g	
Canceling P.S	S.C. Mo. No.		Sec.			Sheet No.		
For A	LL TERRITO	RY						
				JUSTMENT C				
For	service in Ac	cumulation Period	ds after Septer Period 5 on and	mber 10, 2010	; and for service i	n that portion of A	Accumulation	
ACCUMULA	TION PERIO	OD ENDING, (M	fonth, Day, Y	ear)				
1. Total energy cost [(F + P + E − O − R) − B] * J * 0.95							\$XX,XXX,XXX	
2.	2. Base energy cost (B)							
3.	Missouri er	x.xxxx						
4.	Fuel cost recovery [(F + P + E - O - R) - B] * J * 0.95						\$XXX,XXX	
5.		r/under recovery eriod ending 00-		\$X				
6.	Interest (I)			\$XX,XXX				
7.							\$XXX,XXX	
8.	Forecasted Missouri NSI for the recovery period (S) X,XXX,XXX,XXX						x,xxx,xxx	
9.	, and the second						\$(X.XXXXX) / kWh	
10.	. CAF - Primary and above (Line 9 x Primary Expansion Factor)						\$(X.XXXXX) / kWh	
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)						\$(X.XXXXX) / kWh	
	Primary Expansion Factor = 1.0502 Secondary Expansion Factor = 1.0686							