THE EMPIRE DISTRICT ELECTRIC COMPA	NY						
P.S.C. Mo. No. <u>5</u>	Sec.	4	<u>7th</u>	Revised Sheet No.	17		
Canceling P.S.C. Mo. No. 5	Sec.	4	<u>6th</u>	Revised Sheet No.	17		
For ALL TERRITORY							
FUEL ADJUSTMENT CLAUSE							
SCHEDULE FAC							
For service in Accumulation Periods prior to [EFFECTIVE DATE OF TARIFFS]; and for service in that portion of Accumulation Period 5 prior to [EFFECTIVE DATE OF TARIFFS].							

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

ACCUMULATION	RECOVERY	ACCUMULATION	RECOVERY
PERIOD	PERIOD	PERIOD	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		

DEFINITIONS

Filing date:

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 EFFECTIVE

Appendix D

THE EMPIRE DISTRICT ELECTRIC	COMPANY					
P.S.C. Mo. No. <u>5</u>	Sec.	4	<u>7th</u>	RevisedSheet No.	<u>17a</u>	
Canceling P.S.C. Mo. No. 5	Sec.	4	<u> </u>	RevisedSheet No.	17a	
For <u>ALL TERRITORY</u>						
FUEL ADJUSTMENT CLAUSE						
SCHEDULE FAC						
For service in Accumulation Periods	prior to [EFFECTIVE Period 5 prior to [EF				ccumulation	

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 consumed in Company electric generating plants,
- 2. purchased energy (excluding demand),
- 3. off-system sales margin,
- 4. net of emission allowance costs and revenues.

It will also include:

- 5. an adjustment for the prior recovery period sales variation.
- 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.

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)

THE EMPIRE DISTRICT ELECTRIC C	OMPANY						
P.S.C. Mo. No5	Sec.	4	7th	Revised Sheet No.	17b		
Canceling P.S.C. Mo. No. <u>5</u>	Sec.	4	<u>6th</u>	Revised Sheet No.	<u>17b</u>		
For <u>ALL TERRITORY</u>							
FUEL ADJUSTMENT CLAUSE SCHEDULE FAC For service in Accumulation Periods prior to [EFFECTIVE DATE OF TARIFFS]; and for service in that portion of Accumulation Period 5 prior to [EFFECTIVE DATE OF TARIFFS].							

J = Missouri energy ratio calculated as follows:

Missouri Energy Ratio = <u>Missouri Retail kWh sales</u> Total System kWh sales

Where Total System kWh Sales excludes off-system sales

- 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
- I = 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.

$$CAF = \frac{FAC}{S}$$

Where:

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.

THE EMPIRE DISTRICT ELECTRIC	COMPANY						
P.S.C. Mo. No. 5	Sec.	4	7th	Revised Sheet No.	<u> 17c </u>		
Canceling P.S.C. Mo. No. <u>5</u>	Sec.	4	<u> </u>	Revised Sheet No.	<u>17c</u>		
For ALL TERRITORY	-						
FUEL ADJUSTMENT CLAUSE							
SCHEDULE FAC							
For Service in Accumulations Periods prior to [EFFECTIVE DATE OF TARIFFS]; and for service in that portions of Accumulation Period 5 prior to [EFFECTIVE DATE OF TARIFFS].							

ACCUMULATION PERIOD ENDING, Feb-28-2010

1.	Total energy cost (F + P + E - O)	\$79,431,215
2.	Base energy cost (B)	\$75,540,365
3.	Missouri Energy Ratio (J)	0.8303
4.	Fuel Cost Recovery [(F + P + E - O) – B] * J	\$3,139,134
5.	Adj for Over/Under recovery for the Recovery period ending 11-30-2009 (C)	\$338,622
6.	Interest (I)	\$2,142
7.	Fuel Adjustment Clause (FAC)	\$3,479,898
8.	Forecasted Missouri NSI for the Recovery Period (S)	2,289,022,607
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 06-01-2010	\$0.00152 / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$0.00160 / kWh
11.	CAF - Seconday (Line 9 x Secondary Expansion Factor)	\$0.00163 / kWh
	Primary Expansion Factor = 1.0520	

Primary Expansion Factor = 1.0520 Secondary Expansion Factor = 1.0728

THE EMPIRE DISTRIC	I ELECTRIC COMPA	NY				
P.S.C. Mo. No.	5	Sec.	4	Original	Sheet No.	<u> 17d </u>
Canceling P.S.C. Mo. No	0	Sec.			Sheet No.	
For <u>ALL TERRI</u>	<u>FORY</u>					
		FUEL A	DJUSTMENT C	LAUSE		
		9	SCHEDULE FAC	2		
For service in Acc	cumulations Perio	ods after	[EFFECTIV	E DATE O	F TARIFFS]; an	d for service in
that portion	of Accumulation	Period 5	on and after	· [EFFECTI	VE DATE OF T	ARIFFS].

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

	ACCUMULATION	<u>RECOVERY</u>	ACCUMULATION	<u>RECOVERY</u>
	PERIOD	PERIOD	PERIOD	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
Filing date:		April 1 st		October 1 st

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.----. For all other months the base cost per kWh is \$0.----.

P.S.C. Mo. N		5	Sec.	4	Original	Sheet No.	17e
Canceling P.	S.C. Mo. No.		Sec.			Sheet No.	
For <u>A</u>	LL TERRITC	DRY					
				USTMENT C			
For serv			ods after [EF]		DATE OF TA	RIFFS]; and for	
	1	Accumulation	Period 5 on a	and after [E	FFECTIVEL	DATE OF TARI	FFS].
APPLICATION		LAUSE					
The ave	erage price	per kWh of elec					application of the
						ect 95 percent of	the accumulation
period c	osts either a	above or below l	base costs spe	cified below	tor:		
1.	Fuel and A	AQCS consuma	bles consumed	l in Compan	y electric gene	rating plants;	
2.	Purchased	d energy (excluc	ling demand);				
3.	Off-systen	n sales revenue	;				
4.	Emission a	allowance costs	and revenues;	and			
5.	Renewabl	e energy credit	revenues.				
It will als	so include:						
6.	An adjustr	ment for the prio	r recovery perio	od's over/un	der recovery o	f 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	+	
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:

1. For the months of June through September	B = (NSI kWh * \$0)
2. For all other months	B = (NSI kWh * \$0)

THE EMPIRE DISTRICT E	LECTRIC COMP/	ANY					
P.S.C. Mo. No.	5	Sec.	4	Original	Sheet No.	<u> </u>	
Canceling P.S.C. Mo. No.		Sec.	. <u> </u>		Sheet No.		
For <u>ALL TERRITO</u>	RY						
		-	JUSTMENT CL	AUSE			
			HEDULE FAC				
For service in Accu	mulations Perio	ods after [EF	FFECTIVE D	DATE OF TA	ARIFFS]; and for	service in that	
portion of	Accumulation	Period 5 on	and after [EF	FFECTIVE	DATE OF TARI	FFS].	
1			L			L	
R = Renewable ene	rgy credit revenue	S.					
J = Missouri energy ratio calculated as follows:							
	Missouri energy ratio= <u>Missouri retailkWh sales</u>						
Total systemkWh sales							

Where Total system kWh sales excludes off-system sales.

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.

Where:

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

TRUE-UP OF FAC

After completion of each recovery period, the Company will make a true-up filing in conjunction with an 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.

THE EMPIRE DISTRICT ELECTRIC COMPANY							
P.S.C. Mo. No. 5	Sec.	4	Original	Sheet No.	<u>17g</u>		
Canceling P.S.C. Mo. No.	Sec.			Sheet No.			
ForALL TERRITORY							
FUEL ADJUSTMENT CLAUSE							
SCHEDULE FAC							
For service in Accumulation Periods after [EFFECTIVE DATE OF TARIFFS]; and for service in that							
portion of Accumulation Period 5 on and after [EFECTIVE DATE OF TARIFFS].							

ACCUMULATION PERIOD ENDING, (Month, Day, Year)

1.	Total energy cost [(F + P + E – O - R) – B] * J * 0.95	\$XX,XXX,XXX
2.	Base energy cost (B)	\$XX,XXX,XXX
3.	Missouri energy ratio (J)	X.XXXX
4.	Fuel cost recovery [(F + P + E – O - R) – B] * J * 0.95	\$XXX,XXX
5.	Adj for over/under recovery for the recovery period ending 00-00-0000 (C)	\$X
6.	Interest (I)	\$XX,XXX
7.	Fuel Adjustment Clause (FAC)	\$XXX,XXX
8.	Forecasted Missouri NSI for the recovery period (S)	X,XXX,XXX,XXX
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 00-00-0000	\$(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	