

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. A 25<sup>th</sup> Revised Sheet No. 1

Canceling P.S.C. Mo. No. 5 Sec. A 24<sup>th</sup> Revised Sheet No. 1

For ALL TERRITORY

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 1 15<sup>th</sup> Revised Sheet No. 1

Canceling P.S.C. Mo. No. 5 Sec. 1 14<sup>th</sup> Revised Sheet No. 1

For ALL TERRITORY

**RESIDENTIAL SERVICE  
SCHEDULE RG**

**AVAILABILITY:**

This schedule is available for residential service to single-family dwellings or to multi-family dwellings within a single building. This schedule is not available for service through a single meter to two or more separate buildings each containing one or more dwelling units.

**MONTHLY RATE:**

	Summer Season	Winter Season
Customer Charge.....	\$ 12.52	\$ 12.52
The first 600-kWh, per kWh.....	0.1074	0.1074
Additional kWh, per kWh.....	0.1074	0.0728

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**PAYMENT:**

Bills will be due on or before twenty-one (21) days after the date thereof. If not paid on or before the due date, a late payment charge of 0.5% on the unpaid balance will be applied.

**GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:**

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

**CONDITIONS OF SERVICE:**

1. Voltage, phase and frequency of energy supplied will be as approved by the Company.
2. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
3. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
4. If this schedule is used for service through a single meter to multiple-family dwellings within a single building, each Customer charge and kWh block will be multiplied by the number of dwelling units served in calculating each month's bill.
5. Welding, X-ray, or other equipment characterized by severe or fluctuating demands, will not be served.
6. Intermittent or seasonal service will not be provided.
7. Bills for service will be rendered monthly. At the option of the Company, however, the meters may be read bimonthly with the bill for the alternate month based upon an estimated kWh consumption.
8. The Company Rules and Regulations, P.S.C. Mo. No. 5, Section 5, are a part of this schedule.

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

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 14<sup>th</sup> Revised Sheet No. 1

Canceling P.S.C. Mo. No. 5 Sec. 2 13<sup>th</sup> Revised Sheet No. 1

For ALL TERRITORY

COMMERCIAL SERVICE  
SCHEDULE CB

**AVAILABILITY:**

This schedule is available to any general service customer on the lines of the Company whose electric load is not in excess of 40 kW, except those who are conveying electric service received to others whose utilization of same is for residential purposes other than transient or seasonal. Motels, hotels, inns, resorts, etc., and others who provide transient rooms and/or board service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

**MONTHLY RATE:**

	Summer Season	Winter Season
Customer Charge .....	\$ 17.67	\$ 17.67
The first 700-kWh, per kWh .....	0.1194	0.1194
Additional kWh, per kWh.....	0.1194	0.0906

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**PAYMENT:**

Bills will be due on or before twenty-one (21) days after the date thereof. If not paid, the above rate plus 5% then applies.

**GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:**

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

**CONDITIONS OF SERVICE:**

1. The voltage, phase and frequency of energy supplied will be as approved by the Company.
2. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
3. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
4. Where the Customer's use of welding, or other equipment characterized by fluctuating or severe demands, necessitates the installation of additional or increased facilities (including distribution transformers, service conductors or secondaries) solely to serve such Customer, the applicable provisions of Rider XC will apply in amendment to the provisions of this schedule.
5. Living quarters incidental to commercial or industrial operations in the same building will only be served together with these operations through a single meter and billed under this or other applicable commercial industrial rates. Living quarters detached from commercial or industrial buildings will only be served under applicable residential schedules.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 14<sup>th</sup> Revised Sheet No. 2

Canceling P.S.C. Mo. No. 5 Sec. 2 13<sup>th</sup> Revised Sheet No. 2

For ALL TERRITORY

**SMALL HEATING SERVICE  
SCHEDULE SH**

**AVAILABILITY:**

This schedule is available to any general service customer on the lines of the Company whose average load is not in excess of 40 kW during the Summer Season and where the electric service supplied is the only source of energy at the service location and the customer permanently installs and regularly uses electric space-heating equipment for all internal space-heating comfort requirements. However, this schedule is not available to those who are conveying electric service received to others whose utilization of same is for residential purposes other than transient or seasonal. Motels, hotels, inns, resorts, etc., and others who provide transient rooms and/or board service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

**MONTHLY RATE:**

	Summer Season	Winter Season
Customer Charge.....	\$ 17.67	\$ 17.67
The first 700-kWh, per kWh.....	0.1189	0.1189
Additional kWh, per kWh.....	0.1189	0.0704

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**PAYMENT:**

Bills will be due on or before twenty-one (21) days after the date thereof. If not paid, the above rate plus 5% then applies.

**GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:**

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

**CONDITIONS OF SERVICE:**

1. The voltage, phase and frequency of energy supplied will be as approved by the Company.
2. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
3. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
4. Where the Customer's use of welding, or other equipment characterized by fluctuating or severe demands, necessitates the installation of additional or increased facilities (including distribution transformers, service conductors or secondaries) solely to serve such Customer, the applicable provisions of Rider XC will apply in amendment to the provisions of this schedule.

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 14<sup>th</sup> Revised Sheet No. 3

Canceling P.S.C. Mo. No. 5 Sec. 2 13<sup>th</sup> Revised Sheet No. 3

For ALL TERRITORY

**GENERAL POWER SERVICE  
SCHEDULE GP**

**AVAILABILITY:**

This schedule is available for electric service to any general service Customer except those who are conveying electric service received to others whose utilization of same is purely for residential purposes other than transient or seasonal. Motels, hotels, inns, resorts, etc., and others who provide transient rooms and board service or room service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

MONTHLY RATE:	Summer Season	Winter Season
CUSTOMER CHARGE.....	\$ 60.02	\$ 60.02
<b>DEMAND CHARGE:</b>		
Per kW of Billing Demand.....	6.34	4.94
<b>FACILITIES CHARGE</b>		
per kW of Facilities Demand .....	1.789	1.789
<b>ENERGY CHARGE:</b>		
First 150 hours use of Metered Demand, per kWh.....	0.0955	0.0573
Next 200 hours use of Metered Demand, per kWh .....	0.0612	0.0555
All additional kWh, per kWh.....	0.0553	0.0550

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year. If an interval data recorder is required for billing purposes, the Customer Charge will be \$220.80.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**DETERMINATION OF BILLING DEMAND:**

The monthly Metered Demand will be determined from the highest fifteen minute integrated kilowatt demand registered during the month by a suitable demand meter. The monthly Billing Demand will be the monthly Metered Demand or 40 kW, whichever is greater.

**DETERMINATION OF MONTHLY FACILITIES DEMAND:**

The monthly Facilities Demand will be determined by a comparison of the current month's metered demand and the metered demand recorded in each of the previous 11 months. If there are less than 11 previous months of data, all available data from previous months will be used. The monthly Facilities Demand will be the maximum demand as determined by this comparison or 40 kW, whichever is greater.

**TRANSFORMER OWNERSHIP:**

Where the Customer supplies all facilities (other than metering equipment) for utilization of service at the voltage of the Company's primary line feeding to such location, a reduction of \$0.312 per kW will apply to the Facilities Charge.

**METERING ADJUSTMENT:**

The above rate applies for service metered at secondary voltage. Where service is metered at the voltage of the primary line feeding to such location, metered kilowatts and kilowatt-hours will be reduced prior to billing by multiplying metered kilowatts and kilowatt-hours by 0.9806.

**MINIMUM MONTHLY BILL:**

During any month in which service is rendered, the minimum monthly bill will be the Customer Charge plus the Demand Charge plus the Facilities Charge.

**PAYMENT:**

The above rate applies only if the bill is paid on or before fourteen (14) days after the date thereof. If not so paid, the above rate plus 5% then applies.

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THE EMPIRE DISTRICT ELECTRIC COMPANY

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Canceling P.S.C. Mo. No. 5 Sec. 2 14<sup>th</sup> Revised Sheet No. 4

For ALL TERRITORY

LARGE POWER SERVICE  
SCHEDULE LP

**AVAILABILITY:**

This schedule is available for electric service to any general service Customer except those who are conveying electric service received to others whose utilization of same is for residential purposes other than transient or seasonal. Motels, hotels, inns, resorts, etc., and others who provide transient room and board service or room service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

MONTHLY RATE:	Summer Season	Winter Season
CUSTOMER CHARGE.....	\$ 221.94	\$ 221.94
<b>DEMAND CHARGE:</b>		
Per kW of Billing Demand.....	12.28	6.78
<b>FACILITIES CHARGE</b>		
per kW of Facilities Demand.....	1.477	1.477
<b>ENERGY CHARGE:</b>		
First 350 hours use of Metered Demand, per kWh.....	0.0601	0.0534
All additional kWh, per kWh.....	0.0325	0.0314

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

To be eligible for this schedule, the customer agrees to provide, at the Customer's expense, an analog telephone line to the metering location(s), for use by the Company to retrieve interval metering data for billing and load research purposes. This telephone line must be available to the Company between the hours of midnight and 6:00am each day.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**DETERMINATION OF BILLING DEMAND:**

The monthly Metered Demand will be determined from the highest fifteen minute integrated kilowatt demand registered during the month by a suitable demand meter. The monthly Billing Demand will be the monthly Metered Demand, or 1000 kW, whichever is greater.

**DETERMINATION OF MONTHLY FACILITIES DEMAND:**

The monthly Facilities Demand will be determined by a comparison of the current month's metered demand and the metered demand recorded in each of the previous 11 months. If there are less than 11 previous months of data, all available data from previous months will be used. The monthly Facilities Demand will be the maximum demand as determined by this comparison or 1000 kW, whichever is greater.

**TRANSFORMER OWNERSHIP:**

If the Company supplies a standard transformer and secondary facilities, a secondary facility charge of \$0.306 per kW of facilities demand will apply, otherwise, Rider XC will apply, unless Customer supplies their own secondary facilities.

**SUBSTATION FACILITIES CREDIT:**

The above facilities charge does not apply if the stepdown-substation and transformer are owned by the Customer.

**METERING ADJUSTMENT:**

The above rate applies for service metered at primary voltage. Where service is metered at secondary voltage, metered kilowatts and kilowatt-hours will be increased prior to billing by multiplying metered kilowatts and kilowatt-hours by 1.0198.

Where service is metered at transmission voltage, metered kilowatts and kilowatt-hours will be reduced prior to billing by multiplying kilowatts and kilowatt-hours by 0.9742.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 14<sup>th</sup> Revised Sheet No. 6

Canceling P.S.C. Mo. No. 5 Sec. 2 13<sup>th</sup> Revised Sheet No. 6

For ALL TERRITORY

**FEED MILL AND GRAIN ELEVATOR SERVICE  
SCHEDULE PFM**

**AVAILABILITY:**

This schedule is available for electric service to any custom feed mill or grain elevator.

**MONTHLY RATE:**

	Summer Season	Winter Season
Customer Charge .....	\$ 24.79	\$ 24.79
The first 700-kWh, per kWh .....	0.1614	0.1614
Additional kWh, per kWh .....	0.1614	0.1467

**PAYMENT:**

The above rate applies only if the bill is paid on or before twenty-one (21) days after the date thereof. If not so paid, the above rate plus 5% then applies.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:**

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

**CONDITIONS OF SERVICE:**

1. The voltage, phase and frequency of energy supplied will be as approved by the Company.
2. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
3. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
4. The term of service will not be less than one (1) year. Intermittent or seasonal service will not be provided.
5. Bills for service will be rendered monthly.
6. The Company Rules and Regulations, P.S.C. Mo. No. 5, Section 5, are a part of this schedule.
7. No new customers will be accepted on this rate.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 14<sup>th</sup> Revised Sheet No. 7

Canceling P.S.C. Mo. No. 5 Sec. 2 13<sup>th</sup> Revised Sheet No. 7

For ALL TERRITORY

**TOTAL ELECTRIC BUILDING SERVICE  
SCHEDULE TEB**

**AVAILABILITY:**

This schedule is available to any general services customers on the lines of the Company for total electric service except those customers who are conveying electric service to others whose utilization of the same is for residential purposes other than transient or seasonal. Motels, hotels, inns, etc., and others who provide transient room and/or room and board service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

MONTHLY RATE:	Summer Season	Winter Season
CUSTOMER CHARGE.....	\$ 60.02	\$ 60.02
<b>DEMAND CHARGE:</b>		
Per kW of Billing Demand.....	2.96	2.43
<b>FACILITIES CHARGE</b>		
per kW of Facilities Demand .....	1.789	1.789
<b>ENERGY CHARGE:</b>		
First 150 hours use of Metered Demand, per kWh.....	0.1114	0.0596
Next 200 hours use of Metered Demand, per kWh .....	0.0714	0.0564
All additional kWh, per kWh.....	0.0646	0.0555

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year. If an interval data recorder is required for billing purposes, the Customer Charge will be \$220.80.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**DETERMINATION OF BILLING DEMAND:**

The monthly Metered Demand will be determined from the highest fifteen minute integrated kilowatt demand registered during the month by a suitable demand meter. The monthly Billing Demand will be the monthly Metered Demand or 40 kW, whichever is greater.

**DETERMINATION OF MONTHLY FACILITIES DEMAND:**

The monthly Facilities Demand will be determined by a comparison of the current month's metered demand and the metered demand recorded in each of the previous 11 months. If there are less than 11 previous months of data, all available data from previous months will be used. The monthly Facilities Demand will be the maximum demand as determined by this comparison or 40 kW, whichever is greater.

**TRANSFORMER OWNERSHIP:**

Where the Customer supplies all facilities (other than metering equipment) for utilization of service at the voltage of the Company's primary line feeding to such location, a reduction of \$0.312 per kW will apply to the Facilities charge.

**METERING ADJUSTMENT:**

The above rate applies for service metered at secondary voltage. Where service is metered at the voltage of the primary line feeding to such location, metered kilowatts and kilowatt-hours will be reduced prior to billing by multiplying metered kilowatts and kilowatt-hours by 0.9806.

**MINIMUM MONTHLY BILL:**

During any month in which service is rendered, the minimum monthly bill will be the Customer charge plus the demand charge plus the Facilities Charge.

**PAYMENT:**

The above rate applies only if the bill is paid on or before fourteen (14) days after the date thereof. If not so paid, the above rate plus 5% then applies.

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 10<sup>th</sup> Revised Sheet No. 9

Canceling P.S.C. Mo. No. 5 Sec. 2 9<sup>th</sup> Revised Sheet No. 9

For ALL TERRITORY

SPECIAL TRANSMISSION SERVICE CONTRACT: PRAXAIR  
SCHEDULE SC-P

**AVAILABILITY:**

This schedule is available for electric service to PRAXAIR, INC. (Customer) as stated in the contract for power service between THE EMPIRE DISTRICT ELECTRIC COMPANY (Company) and PRAXAIR, INC. ("the contract").

**MONTHLY RATE:**

	Summer Season	Winter Season
CUSTOMER CHARGE.....	\$ 220.80	\$ 220.80
ON-PEAK DEMAND CHARGE		
Per kW of Billing Demand.....	21.45	14.57
SUBSTATION FACILITIES CHARGE		
Per kW of Facilities Demand.....	0.431	0.431
ENERGY CHARGE, per kWh:		
On-Peak Period.....	0.0462	0.0328
Shoulder Period.....	0.0372	
Off-Peak Period.....	0.0288	0.0271

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year. The On-Peak hours will be weekdays, excluding holidays, from 12:00 p.m. through 7:00 p.m. during the Summer Season and 6:00 a.m. through 10:00 p.m. during the Winter Season. The Shoulder hours will be weekends from 12:00 p.m. through 9:00 p.m. and weekdays from 9:00 a.m. through 12:00 p.m. and 7:00 p.m. through 10:00 p.m. during the Summer Season. All other hours are Off-Peak. Holidays include New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day, as specified by the North American Electric Reliability Council (NERC).

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**DETERMINATION OF DEMANDS (CPD, MFD, ID):**

An appropriate level of demand at the time of the Company's system peak shall be determined for PRAXAIR under this Schedule. This Customer Peak Demand ("CPD") shall be either PRAXAIR's actual maximum measured kW demand during a peak period, or a calculated amount based upon conditions involving PRAXAIR's actual or expected operations, and agreed upon between Company and PRAXAIR.

**DETERMINATION OF BILLING DEMAND:**

The monthly "On-Peak Demand" shall be determined as being the highest fifteen (15) minute integrated kilowatt demand registered by a suitable demand meter during the peak hours as stated above. In no event shall the Peak Demand be less than the lesser of 6000 kW or Customer's MFD for Customers that have contracted interruptible capacity as specified in the contract or any future amendments thereto.

**DETERMINATION OF MONTHLY FACILITIES DEMAND:**

The monthly "Substation Facilities Demand" shall be determined as being the highest fifteen (15) minute integrated demand registered by a suitable demand meter during all hours. In no event shall Substation Facility Demand, if applicable be less than the greater of 6000 kW and Customer's CPD for Customers that have contracted interruptible capacity as specified in the contract or any future amendments thereto.

**METERING ADJUSTMENT:**

The above rates apply for service metered at transmission voltage. Where service is metered at substation voltage, metered kilowatts and kilowatt-hours will be increased prior to billing by multiplying metered kilowatts and kilowatt-hours by 1.0086.

**MINIMUM MONTHLY BILL:**

The net minimum bill after any interruptible credits shall be the Customer Charge plus any Substation Facilities Charge times the CPD plus any Demand Charges applicable to the current MFD. In no event shall the interruptible credit be greater than the Demand Charge.

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

DATE EFFECTIVE September 29, 2010

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 9<sup>th</sup> Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 2 8<sup>th</sup> Revised Sheet No. 13

For ALL TERRITORY

SPECIAL TRANSMISSION SERVICE  
SCHEDULE ST

**AVAILABILITY:**

This schedule is available for electric service to any general service Customer who has signed a service contract with THE EMPIRE DISTRICT ELECTRIC COMPANY. The Company shall supply, sell and deliver electric power at transmission or substation voltage, and the Customer shall take and pay for said power under the provisions of the contract.

**NET MONTHLY RATE:**

	Summer Season	Winter Season
CUSTOMER CHARGE.....	\$ 220.80	\$ 220.80
ON-PEAK DEMAND CHARGE		
Per kW of Billing Demand.....	21.45	14.57
SUBSTATION FACILITIES CHARGE		
Per kW of Facilities Demand.....	0.431	0.431
ENERGY CHARGE, per kWh:		
Peak Period.....	0.0462	0.0328
Shoulder Period.....	0.0372	
Off-Peak Period.....	0.0288	0.0271

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year. The Peak hours will be weekdays, excluding holidays, from 12:00 p.m. through 7:00 p.m. during the Summer Season and 6:00 a.m. through 10:00 p.m. during the Winter Season. The Shoulder hours will be weekends from 12:00 p.m. through 9:00 p.m. and weekdays from 9:00 a.m. through 12:00 p.m. and 7:00 p.m. through 10:00 p.m. during the Summer Season. All other hours are Off-Peak.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**DETERMINATION OF BILLING DEMAND:**

The monthly "On-Peak Demand" shall be determined as being the highest fifteen (15) minute integrated kilowatt demand registered by a suitable demand meter during the peak hours as stated above. In no event shall Peak Demand be less than the lesser of 6000 kW or Customer's MFD for Customers that have contracted interruptible capacity as specified in the contract or any future amendments thereto.

**DETERMINATION OF MONTHLY FACILITIES DEMAND:**

The monthly "Substation Facilities Demand" if applicable, shall be determined as being the highest fifteen (15) minute integrated demand registered by a suitable demand meter during all hours. In no event shall Substation Facility Demand, if applicable, be less than the greater of 6000 kW and Customer's CPD for Customers that have contracted interruptible capacity as specified in the contract or any future amendments thereto.

**METERING ADJUSTMENT:**

The above rates apply for service metered at transmission voltage. Where service is metered at substation voltage, metered kilowatts and kilowatt-hours will be increased prior to billing by multiplying kilowatts and kilowatt-hours by 1.0086.

**MINIMUM MONTHLY BILL:**

Except as provided in the above-mentioned contract, the Minimum Monthly Bill shall be the Customer Charge plus the On-Peak Demand Charge plus any applicable Facilities Charge.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 3 15<sup>th</sup> Revised Sheet No. 1

Canceling P.S.C. Mo. No. 5 Sec. 3 14<sup>th</sup> Revised Sheet No. 1

For ALL TERRITORY

**MUNICIPAL STREET LIGHTING SERVICE  
SCHEDULE SPL**

**AVAILABILITY:**

This schedule is available to municipalities served by the Company under the provisions of an Electric Franchise having an original term of not less than ten (10) years, for outdoor lighting for streets, alleys, parks and public places under the provisions of the Company's standard Municipal Electric Service Agreement, having an original term of not less than two (2) years.

ANNUAL STREET LIGHTING CHARGE:	Annual Charge	Annual	Watts
Incandescent Lamp Sizes (No New Installation Allowed)	Per Lamp	kWh	
4,000 lumen .....	\$ 58.71	1,088	
10,000 lumen .....	120.83	2,331	
<b>Mercury-Vapor Lamp Sizes:</b>			
7,000 lumen .....	79.75	784	175
11,000 lumen .....	95.71	1,186	250
20,000 lumen .....	137.03	1,868	400
53,000 lumen .....	231.19	4,475	1000
<b>High-Pressure Sodium-Vapor Lamp Sizes (Lucalox, etc.):</b>			
6,000 lumen .....	74.74	374	70
16,000 lumen .....	93.55	694	150
27,500 lumen .....	121.75	1,271	250
50,000 lumen .....	173.51	1,880	400
130,000 lumen .....	280.00	4,313	1000
<b>Metal Halide Lamp Sizes:</b>			
12,000 lumen .....	116.95	696	175
20,500 lumen .....	143.33	1,020	250
36,000 lumen .....	191.73	1,620	400
110,000 lumen .....	423.69	4,056	1000

The monthly charge per lamp, is 1/12th of the annual charge.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**DETERMINATION OF ENERGY (kWh) USAGE FOR NON-METERED FIXTURES:**

The monthly energy for each type and size of lamp is determined by multiplying the annual kWh listed above, by the monthly usage factor listed in the table below:

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 month total
Usage Factor	.103	.089	.087	.075	.070	.064	.067	.073	.079	.091	.098	.104	1.00

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 3 19<sup>th</sup> Revised Sheet No. 2

Canceling P.S.C. Mo. No. 5 Sec. 3 18<sup>th</sup> Revised Sheet No. 2

For ALL TERRITORY

PRIVATE LIGHTING SERVICE  
SCHEDULE PL

**AVAILABILITY:**

This schedule is available for outdoor lighting service to any retail Customer.

**MONTHLY RATE:**

	<u>Per Lamp</u>	<u>Monthly kWh</u>	<u>Watts</u>
<b>STANDARD STREET LIGHTING CONSTRUCTION:</b>			
Mercury-Vapor Lamp Sizes (No new installations allowed):			
6,800 lumen .....	\$ 14.14	65	175
20,000 lumen .....	23.54	156	400
54,000 lumen .....	45.13	373	1000
Sodium-Vapor Lamp Sizes:			
6,000 lumen .....	13.06	31	70
16,000 lumen .....	19.00	58	150
27,500 lumen .....	27.47	106	250
50,000 lumen .....	31.86	157	400
Metal Halide Lamp Sizes:			
12,000 lumen .....	22.03	59	175
20,500 lumen .....	29.40	85	250
36,000 lumen .....	33.00	135	400
 <b>STANDARD FLOOD LIGHTING CONSTRUCTION:</b>			
Mercury-Vapor Lamp Sizes (No new installations allowed):			
20,000 lumen .....	33.00	156	400
54,000 lumen .....	54.47	373	1000
Sodium-Vapor Lamp Sizes:			
27,500 lumen .....	31.97	106	250
50,000 lumen .....	43.84	157	400
140,000 lumen .....	64.05	359	1000
Metal Halide Lamp Sizes:			
12,000 lumen .....	22.62	59	175
20,500 lumen .....	30.26	85	250
36,000 lumen .....	44.63	135	400
110,000 lumen .....	65.21	338	1000

**Additional Charge for installations requiring additions to, or rearrangement of, existing facilities:**

Regular wood pole, per month .....	\$ 1.81
Transformer .....	1.81
Guy and anchor, per month .....	1.81
Overhead conductor, three wire, per foot, per month .....	0.017
Other (miscellaneous) per month .....	1.5% of the estimated installed cost thereof

For installations requiring a large expenditure for additions to, or rearrangements of existing facilities, the total additional charge may be computed at 1.5% of the estimated installed cost thereof per month. Such estimated installed cost excludes the estimated installed cost of materials required for standard construction (see Conditions of Service, No. 1, below).

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**DETERMINATION OF ENERGY (kWh) FOR NON-METERED FIXTURES:**

The monthly energy (kWh) for each type and size of lamp is listed above.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 3 14<sup>th</sup> Revised Sheet No. 3

Canceling P.S.C. Mo. No. 5 Sec. 3 13<sup>th</sup> Revised Sheet No. 3

For ALL TERRITORY

**SPECIAL LIGHTING SERVICE  
SCHEDULE LS**

**AVAILABILITY:**

This schedule is available for electric service to sport field lighting, holiday decorative lighting or similar nighttime temporary or seasonal use.

**MONTHLY RATE:**

For the first 1,000 kWh used, per kWh..... \$ 0.1564  
For all additional kWh used, per kWh..... 0.1226

**MINIMUM:**

The net monthly minimum charge for any month during which electrical energy is used will be \$41.80.

**FUEL ADJUSTMENT CLAUSE:**

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

**CONSUMPTION:**

Service will normally be delivered and metered hereunder at the secondary voltage available at the service location. Where physical circumstances would normally make it necessary to meter the service at primary voltage, the Company may at its option install a time clock in place of primary metering facilities to measure the hours-use of the service and compute the kilowatt-hours' consumption of the sport field by using the customer's connected load. The connected load used for the calculation will be, determined at the time of installation and at such subsequent times as the Company may deem necessary by actual load check of the customer's facilities. Unmetered dusk to dawn service may be provided, in which case the connected load will be used to determine the kilowatt-hours consumed.

**INSTALLATION CHARGE:**

In addition to the above charges, a customer of temporary nature will be required to pay the net cost of erection and removal of any special facilities necessary to provide service. Such net cost will include the Company's total expenditure for labor, material, supervision and all other costs necessary to erect and remove facilities for service, less proper credit for actual salvage.

**PAYMENT:**

Bills will be due on or before twenty-one (21) days after the date thereof.

**GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:**

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 3 14<sup>th</sup> Revised Sheet No. 4

Canceling P.S.C. Mo. No. 5 Sec. 3 13<sup>th</sup> Revised Sheet No. 4

For ALL TERRITORY

MISCELLANEOUS SERVICE  
SCHEDULE MS

AVAILABILITY:

This schedule is available for electric service to signal systems or similar unmetered service and to temporary or seasonal use.

MONTHLY RATE:

Customer charge..... \$ 17.67  
For all energy used, per kWh..... \$ 0.0911

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

CONSUMPTION:

The connected load will be used to calculate the kilowatt-hours consumed on unmetered service.

INSTALLATION CHARGE:

In addition to the above charges, a customer of temporary nature will be required to pay the net cost of erection and removal of any special facilities necessary to provide service. Such net cost will include the Company's total expenditure for labor, material, supervision and all other costs necessary to erect and remove facilities for service, less proper credit for actual salvage.

PAYMENT:

Bills will be due on or before twenty-one (21) days after the date thereof.

GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

CONDITIONS OF SERVICE:

1. Service will be furnished for the sole use of the customer and will not be resold, redistributed, or submetered, directly or indirectly.
2. Voltage, phase, and frequency of service supplied will be as approved by the Company.
3. Bills for service will be rendered monthly. Where service is for temporary use, the bill for the current month's service will be rendered immediately on discontinuance of service.
4. The Company Rules and Regulations, P.S.C. Mo. No. 5, Section 5, are a part of this schedule.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 3 3<sup>rd</sup> Revised Sheet No. 6

Canceling P.S.C. Mo. No. 5 Sec. 3 2<sup>nd</sup> Revised Sheet No. 6

For ALL TERRITORY

RESERVED FOR FUTURE USE

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 3 2<sup>nd</sup> Revised Sheet No. 7

Canceling P.S.C. Mo. No. 5 Sec. 3 1<sup>st</sup> Revised Sheet No. 7

For ALL TERRITORY

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RESERVED FOR FUTURE USE



THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 3 2<sup>nd</sup> Revised Sheet No. 8

Canceling P.S.C. Mo. No. 5 Sec. 3 1<sup>st</sup> Revised Sheet No. 8

For ALL TERRITORY

RESERVED FOR FUTURE USE

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 3 2<sup>nd</sup> Revised Sheet No. 9

Canceling P.S.C. Mo. No. 5 Sec. 3 1<sup>st</sup> Revised Sheet No. 9

For ALL TERRITORY

RESERVED FOR FUTURE USE

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 7<sup>th</sup> Revised Sheet No. 7

Canceling P.S.C. Mo. No. 5 Sec. 4 6<sup>th</sup> Revised Sheet No. 7

For ALL TERRITORY

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RESERVED FOR FUTURE USE

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 17

Canceling P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 17

For ALL TERRITORY

**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.

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

<u>ACCUMULATION PERIOD</u>	<u>RECOVERY PERIOD</u>	<u>ACCUMULATION PERIOD</u>	<u>RECOVERY PERIOD</u>
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 <sup>st</sup>		October 1 <sup>st</sup>

**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.

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 17a

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 17a

For ALL TERRITORY

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.

**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.

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

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
2. For all other months

B = (NSI kWh \* \$0.03001)  
B = (NSI kWh \* \$0.02744)

For ALL TERRITORY

**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.

J = Missouri energy ratio calculated as follows:

$$\text{Missouri Energy Ratio} = \frac{\text{Missouri Retail kWh sales}}{\text{Total System kWh sales}}$$

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.

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

Where:

S = Forecasted Missouri NSI kWh for the Recovery Period. Missouri NSI kWh is calculated as:

$$\text{Missouri NSI} = \text{Forecasted NSI} * \frac{\text{Forecasted Missouri Retail kWh sales}}{\text{Forecasted Total System kWh sales}}$$

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 intervals.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 17c

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 17c

For ALL TERRITORY

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.

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 - Secondary (Line 9 x Secondary Expansion Factor)	\$0.00163 / kWh

Primary Expansion Factor = 1.0520  
Secondary Expansion Factor = 1.0728

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 17d

Canceling P.S.C. Mo. No. \_\_\_\_\_ Sec. \_\_\_\_\_ Sheet No. \_\_\_\_\_

For ALL TERRITORY

**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:

<u>ACCUMULATION PERIOD</u>	<u>RECOVERY PERIOD</u>	<u>ACCUMULATION PERIOD</u>	<u>RECOVERY PERIOD</u>
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 <sup>st</sup>		October 1 <sup>st</sup>

Filing date:

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  
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 29, 2010



THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 17e

Canceling P.S.C. Mo. No. \_\_\_\_\_ Sec. \_\_\_\_\_ Sheet No. \_\_\_\_\_

For ALL TERRITORY

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
5. 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:

1. For the months of June through September
2. For all other months

$$B = (NSI \text{ kWh} * \$0.03182)$$

$$B = (NSI \text{ kWh} * \$0.02857)$$

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 17f

Canceling P.S.C. Mo. No. \_\_\_\_\_ Sec. \_\_\_\_\_ Sheet No. \_\_\_\_\_

For ALL TERRITORY

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.

R = Renewable energy credit revenues.

J = Missouri energy ratio calculated as follows:

$$\text{Missouri energy ratio} = \frac{\text{Missouri retail kWh sales}}{\text{Total system kWh sales}}$$

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.

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

Where:

S = Forecasted Missouri NSI kWh for the recovery period. Missouri NSI kWh is calculated as:

$$\text{Missouri NSI} = \text{Forecasted NSI} * \frac{\text{Forecasted Missouri retail kWh sales}}{\text{Forecasted total system kWh sales}}$$

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 intervals.

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. 17g

Canceling P.S.C. Mo. No. \_\_\_\_\_ Sec. \_\_\_\_\_ Sheet No. \_\_\_\_\_

For ALL TERRITORY

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.

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

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