

For ALL TERRITORY

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. A 1st ~~Revised~~Original Sheet No. 1a

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

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Canceling P.S.C. Mo. No. 6 Sec. 1 Original 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 Access Charge	\$ 1316.00	\$ 1316.00
The first 600-kWh, per kWh.....	\$ 0. 125351357764	\$ 0. 125351356477
Additional kWh, per kWh	\$ 0. 125351356477	\$ 0. 10093109232

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.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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.

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 ISSUED BY Sheri Richard, Director of Rates and Regulatory Affairs Tim Wilson, Vice President, Electric Operations, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

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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 consistently in excess of 40 kW, except those, not otherwise allowed, who are conveying electric service received to others whose utilization of same is for residential purposes other than transient or seasonal. On and after the effective date of this tariff, multiple-family dwellings built prior to June 1, 1981 and metered by a single meter may elect to be served under this rate. 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 Access Charge.....	\$ <u>22.6925.00</u>	\$ <u>22.6925.00</u>
The first 700-kWh, per kWh.....	\$ <u>0.427421433018</u>	\$ <u>0.427421433018</u>
Additional kWh, per kWh.....	\$ <u>0.427421433018</u>	\$ <u>0.41377128125</u>

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.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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.

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

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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 consistently 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 Access Charge	\$ 22.6925.00	\$ 22.6925.00
The first 700-kWh, per kWh.....	\$ 0.424441405364	\$ 0.424441406453
Additional kWh, per kWh.....	\$ 0.424441406453	\$ 0.09472103690

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.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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 d.b.a. LIBERTY

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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 ACCESS CHARGE.....	\$ 69-4980.00	\$ 69-4980.00
DEMAND CHARGE:		
Per kW of Billing Demand	\$ 7-338.13	\$ 5-716.33
FACILITIES CHARGE		
per kW of Facilities Demand.....	\$ 2-072.3029	\$ 2-072.3329
ENERGY CHARGE:		
First 150 hours use of Metered Demand, per kWh	\$ 0.086940963744	\$ 0.07464082749
Next 200 hours use of Metered Demand, per kWh	\$ 0.067450748277	\$ 0.060780673742
All additional kWh, per kWh.....	\$ 0.06056067137	\$ 0.06027066815

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 \$248.77.

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.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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 \$0.355 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 d.b.a. LIBERTY

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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 ACCESS CHARGE.....	\$ 283.55325.00	\$ 283.55325.00
DEMAND CHARGE:		
Per kW of Billing Demand.....	\$ 15.6918.5661	\$ 8.6610.247
FACILITIES CHARGE		
per kW of Facilities Demand.....	\$ 1.88	\$ 1.88
ENERGY CHARGE:		
First 350 hours use of Metered Demand, per kWh.....	\$ 0.06543	\$ 0.05778
All additional kWh, per kWh.....	\$ 0.0340005293	\$ 0.0327004528

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.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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 \$0.385 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 1.0237.

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 ISSUED BY Sheri Richard Tim Wilson, Director Rates and Regulatory Affairs Vice President, Electric Operations, Joplin, MO

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 2 1st ~~Revised~~Original Sheet No. 4

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For ALL TERRITORY

LARGE POWER SERVICE
SCHEDULE LP

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 0.9756.

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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 Access Charge.....	\$ <u>27.6528.50</u>	\$ <u>27.6528.50</u>
The first 700-kWh, per kWh.....	\$ <u>0.175271974931</u>	\$ <u>0.175271974931</u>
Additional kWh, per kWh.....	\$ <u>0.175271973149</u>	\$ <u>0.158741788367</u>

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.

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.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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.

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 2 1st ~~Revised~~Original Sheet No. 6

Canceling P.S.C. Mo. No. 6 Sec. 2 Original Sheet No. _____

For ALL TERRITORY

FEED MILL AND GRAIN ELEVATOR SERVICE
SCHEDULE PFM

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.

DATE OF ISSUE August 17 May 28, 20210 DATE EFFECTIVE September-June 2716, 20210
ISSUED BY Sheri Richard Tim Wilson, Director Rates and Regulatory Affairs, Vice President, Electric Operations, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 2 1st RevisedOriginal Sheet No. 7

Canceling P.S.C. Mo. No. 6 Sec. 2 Original Sheet No. _____

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 ACCESS CHARGE.....	\$ <u>69.4972.00</u>	\$ <u>69.4972.00</u>
DEMAND CHARGE:		
Per kW of Billing Demand	\$ <u>3.503.89</u>	\$ <u>2.883.20</u>
FACILITIES CHARGE		
per kW of Facilities Demand.....	\$ <u>2.432.37</u>	\$ <u>2.432.37</u>
ENERGY CHARGE:		
First 150 hours use of Metered Demand, per kWh	\$ <u>0.404531164607</u>	\$ <u>0.078970876976</u>
Next 200 hours use of Metered Demand, per kWh	\$ <u>0.08098089929</u>	\$ <u>0.06324070228</u>
All additional kWh, per kWh.....	\$ <u>0.07286080917</u>	\$ <u>0.06497068816</u>

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 \$248.77.

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.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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 \$0.355 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 d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 2 1st ~~Revised~~Original Sheet No. 9

Canceling P.S.C. Mo. No. 6 Sec. 2 Original 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 ACCESS CHARGE	\$ 259.01	\$ 259.01
ON PEAK DEMAND CHARGE		
Per kW of Billing Demand	\$ 25.160	\$ 17.10
SUBSTATION FACILITIES CHARGE		
Per kW of Facilities Demand	\$ 0.500	\$ 0.500
ENERGY CHARGE, per kWh:		
On Peak Period	\$ 0.05198	\$ 0.03614
Shoulder Period	\$ 0.04150	
Off Peak Period	\$ 0.03147	\$ 0.02956

~~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.~~

~~ENERGY EFFICIENCY COST RECOVERY:~~

~~The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).~~

~~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.~~

~~CURTAILMENT LIMITS:~~

~~The number of Curtailment Events in a Curtailment Year shall be no more than thirteen (13). Each Curtailment Event shall be no less than two or no more than eight consecutive hours and no more than one occurrence will be required per day unless needed to address a system reliability event. The cumulative hours of curtailment per Customer shall not exceed fifty (50) hours through October 31, 2016, after which the maximum number of hours of interruption for the November 1, 2016 to October 31, 2017 contract year will be seventy five (75) hours, and the maximum number of hours of interruption after November 1, 2017 will be one hundred (100) hours during any contract year. The Curtailment Contract Year shall be November 1 through October 31.~~

~~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:~~

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 ISSUED BY Sheri Richard Tim Wilson, Director Rates and Regulatory Affairs Vice President, Electric Operations, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 2 1st ~~Revised~~Original Sheet No. 9

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For ALL TERRITORY

~~SPECIAL TRANSMISSION SERVICE CONTRACT: PRAXAIR
SCHEDULE SC-P~~

~~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.~~

DATE OF ISSUE August 17 May 28, 20210 DATE EFFECTIVE September 16 June 27, 20210
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P.S.C. Mo. No. 6 Sec. 2 1st ~~Revised~~Original Sheet No. 9a

Canceling P.S.C. Mo. No. 6 Sec. 2 Original Sheet No. 9a

For ALL TERRITORY

~~SPECIAL TRANSMISSION SERVICE CONTRACT: PRAXAIR
SCHEDULE SC-P~~

~~MINIMUM MONTHLY BILL:~~

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

~~The CPD shall be specified in the contract. The contract shall also specify an amount of kW demand which PRAXAIR can curtail or otherwise not cause to be placed on the Company's system by PRAXAIR agreeing to a maximum level of demand during periods of requested interruption. This Maximum Firm Demand ("MFD") of PRAXAIR shall be specified in the contract. The MFD shall be the level of demand which PRAXAIR agrees not to exceed during periods of requested interruption in return for receiving credits under this Schedule. For verification purposes, PRAXAIR shall be required to demonstrate, at the Company's request, its ability to curtail its operations to the MFD level. The difference between the CPD and the MFD, to be known as the Interruptible Demand ("ID"), expressed in kW, shall be the demand upon which credits under this Schedule shall be available to PRAXAIR.~~

~~Praxair shall be permitted to specify two sets of seasonal CPD's and MFD's. However the CPD's and MFD's must be specified in a manner that the numerical resultant "ID" amount is the same in each season.~~

~~DEMAND REDUCTION:~~

~~Company initiated interruptions under this Schedule shall be initiated by a designated Company representative contacting PRAXAIR by telephone. The Company shall give PRAXAIR a notice prior to demand reduction, as specified in the contract. The Company will not request more hours of interruption over each 12 month period, starting with June 1 of each year than is specified in the contract.~~

~~PRAXAIR shall receive a credit on the monthly bill during the appropriate months of the contract year for the appropriate ID amount multiplied by the appropriate credit amount specified in this Schedule, providing that all conditions of this Schedule are met.~~

~~The failure of PRAXAIR during a period of requested interruption to keep its demand at or below the MFD, shall result in the following consequences:~~

- ~~1. The MFD shall be increased to equal the actual demand placed on Company's system during the requested interruption;~~
- ~~2. The ID specified above shall be decreased to equal the amount of the CPD minus the new MFD established during the called for interruption;~~
- ~~3. The foregoing changes shall be effective prospectively for the remainder of that contract term;~~
- ~~4. Customer shall refund to Company (or Company may offset from future credits) any interruptible credits received under the current contract an amount equal to the change in ID times 150% of the contract rate times the number of months the current contract has been in effect.~~

~~The Company recognizes that Customer's effectuation of interruption is dependent upon Customer's electronic measurement and/or control equipment which may malfunction through no fault or error of Customer. Should noncompliance or partial noncompliance with a requested interruption result from the reasonably unforeseeable malfunction or dysfunction of electronic measurement and/or control equipment installed at Customer's facility, the Company shall have discretion, following a reasonable investigation and verification of the cause of such noncompliance, to offer to charge the Customer any incremental annual capacity costs plus any incremental energy costs incurred by the Company for load levels in excess of the MFD during the interruption in lieu of invoking any of the above penalty provisions or adjustments to the contract.~~

~~In the event that the Customer should experience an unplanned plant shutdown due to an unexpected catastrophic-type failure of its equipment which lasts longer than seven consecutive days in a single billing period, Company will make a temporary proration of Customer's bill based on the actual number of days that the plant operated during the billing period. Said proration will be based on the same calculations used by Company to issue initial bills and final bills. No more than one such proration shall be made in any contract year, nor shall the proration be made for a period which exceeds 30 calendar days. Such proration, however, may be split between two consecutive billing periods. It shall be Customer's responsibility to notify Company as soon as possible, but no later than 30 days of such an event which would cause this proration to take~~

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

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For ALL TERRITORY

~~SPECIAL TRANSMISSION SERVICE CONTRACT: PRAXAIR
SCHEDULE SC-P~~

~~place. No retroactive proration will be made for plant shutdowns occurring more than thirty days prior to Empire's receipt of said notice from Customer.~~

DATE OF ISSUE August 17 May 28, 2021 DATE EFFECTIVE June September 27 16, 2021
ISSUED BY Tim Wilson Sheri Richard, Director Rates and Regulatory Affairs Vice President, Electric Operations, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 2 1st ~~Revised~~Original Sheet No. 9b

Canceling P.S.C. Mo. No. 6 Sec. 2 Original Sheet No. 9b

For ALL TERRITORY

**SPECIAL TRANSMISSION SERVICE CONTRACT: PRAXAIR
SCHEDULE SC-P**

SUBSTATION FACILITIES CHARGE:

~~The above Substation Facilities Charge does not apply if the stepdown substation and transformer are owned by the Customer.~~

PAYMENT:

~~The above rate applies only if the bill is paid on or before fifteen (15) days after the date thereof. If not so paid, the above rate plus 5% then applies.~~

MONTHLY CREDIT:

~~A monthly credit of \$4.01 on demand reduction per kW of contracted interruptible demand for substation metered Customers 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.~~

SPECIAL CONDITIONS OF SERVICE:

- ~~1. The minimum ID shall be at least 5600 kW.~~
- ~~2. The Company will give Customer a minimum of 30 minutes notice prior to demand reduction.~~
- ~~3. The Company may request a demand reduction on any day.~~
- ~~4. This schedule, SC-P, is available for service to Praxair, Inc. only in the event there is a contract for power service in effect between the Company and Praxair, Inc.~~

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 2 1st ~~Revised~~ Original Sheet No. 13

Canceling P.S.C. Mo. No. 6 Sec. 2 Original 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 LIBERTY. 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 ACCESS CHARGE	\$ 259.01	\$ 259.01
ON-PEAK DEMAND CHARGE		
Per kW of Billing Demand	\$ 25.160	\$ 17.10
SUBSTATION FACILITIES CHARGE		
Per kW of Facilities Demand	\$ 0.500	\$ 0.500
ENERGY CHARGE, per kWh:		
Peak Period	\$ 0.05198	\$ 0.03614
Shoulder Period	\$ 0.04150	
Off-Peak Period	\$ 0.03147	\$ 0.02956

~~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.~~

ENERGY EFFICIENCY COST RECOVERY:

~~The above charges will be adjusted to include a charge of \$0.00045 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).~~

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 d.b.a LIBERTY

P.S.C. Mo. No. 6 Sec. 2 1st ~~Revised~~Original Sheet No. 14

Canceling P.S.C. Mo. No. 6 Sec. 2 Original Sheet No. 14

For ALL TERRITORY

**SPECIAL TRANSMISSION SERVICE
SCHEDULE ST**

SUBSTATION FACILITIES:

~~The above Substation facilities Charge does not apply if the stepdown substation and transformer are owned by the Customer.~~

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.~~

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 3 1st ~~Revised~~Original Sheet No. 1

Canceling P.S.C. Mo. No. 6 Sec. 3 Original Sheet No. _____

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 Per Lamp	Annual kWh	Watts
Incandescent Lamp Sizes (No New Installation Allowed)			
4,000 lumen	\$ 62,773.96	1,088	
Mercury-Vapor Lamp Sizes:			
7,000 lumen	85,461.00 <u>43</u>	784	175
11,000 lumen	102,542.1	1,186	250
20,000 lumen	172,465.73 <u>33</u>	1,868	400
53,000 lumen	291,461.58 <u>88</u>	4,475	1000
High-Pressure Sodium-Vapor Lamp Sizes (Lucalox, etc.):			
6,000 lumen	794.1180	374	70
16,000 lumen	11,799.8190	694	150
27,500 lumen	15,390.3204	1,271	250
50,000 lumen	21,855.5028	1,880	400
130,000 lumen	35,299.6200	4,313	1000
Metal Halide Lamp Sizes:			
12,000 lumen	1,247.8929	696	175
20,500 lumen	1,805.3490 <u>5</u>	1,020	250
36,000 lumen	2,041.745	1,620	400
110,000 lumen	4,533.2574	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.

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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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DATE OF ISSUE May August 28 17, 20210 DATE EFFECTIVE September June 27 16, 20210
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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 3 1st ~~Revised~~Original Sheet No. 2

Canceling P.S.C. Mo. No. 6 Sec. 3 Original Sheet No. _____

For ALL TERRITORY

PRIVATE LIGHTING SERVICE SCHEDULE PL

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

MONTHLY RATE:

	Per Lamp	Monthly kWh	Watts
STANDARD STREET LIGHTING CONSTRUCTION:			
Mercury-Vapor Lamp Sizes (No new installations allowed):			
6,800 lumen	\$ 45,3216.68	65	175
20,000 lumen	275,7659	156	400
54,000 lumen	5348,2288	373	1000
Sodium-Vapor Lamp Sizes:			
6,000 lumen	154.415	31	70
16,000 lumen	220,4259	58	150
27,500 lumen	3229,4076	106	250
50,000 lumen	374,582	157	400
Metal Halide Lamp Sizes:			
12,000 lumen	253,9987	59	175
20,500 lumen	344,6986	85	250
36,000 lumen	385,9174	135	400
LED:			
7,500-9,500 lumen	14.15	31	92
13,000-16,000 lumen	20.59	48	143
STANDARD FLOOD LIGHTING CONSTRUCTION:			
Mercury-Vapor Lamp Sizes (No new installations allowed):			
20,000 lumen	385,7491	156	400
54,000 lumen	6459,2404	373	1000
Sodium-Vapor Lamp Sizes:			
27,500 lumen	374,692	106	250
50,000 lumen	5147,7049	157	400
140,000 lumen	7569,5439	359	1000
Metal Halide Lamp Sizes:			
12,000 lumen	284,976	59	175
20,500 lumen	352,709	85	250
36,000 lumen	5248,6334	135	400
110,000 lumen	769,9164	338	1000
LED:			
16,000-19,000 lumen	34.62	51	150
28,000-32,000 lumen	47.49	74	218

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

Regular wood pole, per month	\$ 24,1497
Transformer	24,1497
Guy and anchor, per month	24,1497
Overhead conductor, three wire, per foot, per month	0.02
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:

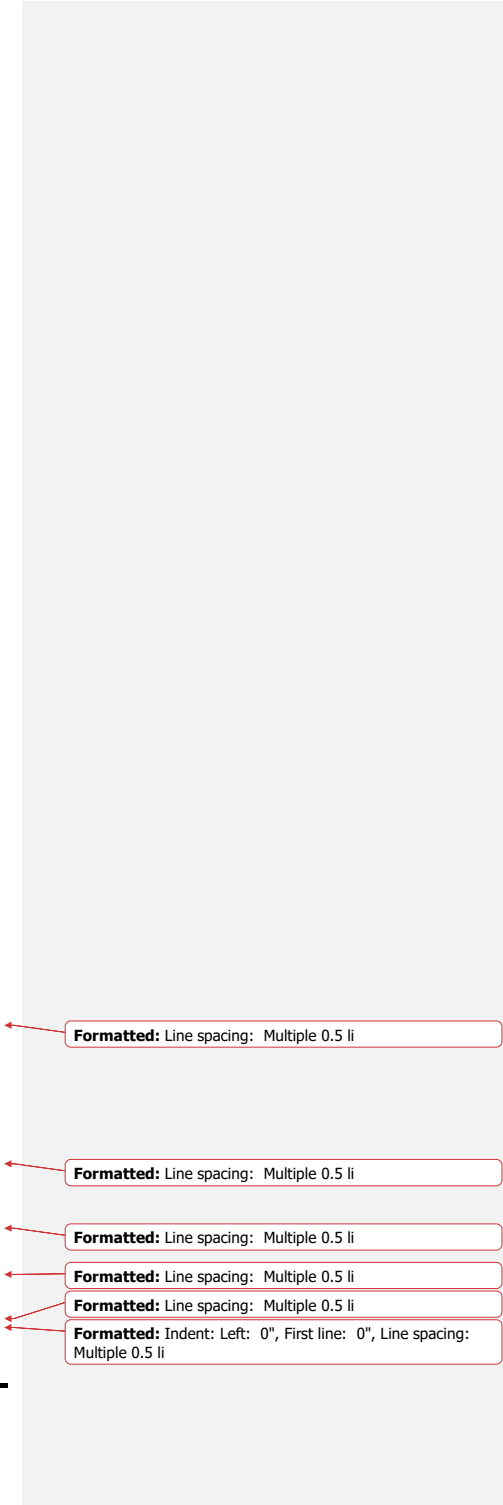
The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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

DATE OF ISSUE May August 2817, 20210 DATE EFFECTIVE September June 2716, 20210
 ISSUED BY Sheri Richard Tim Wilson, Director Rates and Regulatory Affairs, Vice President, Electric Operations, Joplin, MO



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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 3 1st ~~Revised~~Original Sheet No. 2

Canceling P.S.C. Mo. No. 6 Sec. 3 Original Sheet No. _____

For ALL TERRITORY

PRIVATE LIGHTING SERVICE SCHEDULE PL

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

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 3 1st ~~Revised~~ Original Sheet No. 3

Canceling P.S.C. Mo. No. 5 Sec. 3 Original Sheet No. _____

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 \$ 0.4683819344922
For all additional kWh used, per kWh 0.430571500460

MINIMUM:

The net monthly minimum charge for any month during which electrical energy is used will be \$46.66.

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.

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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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ISSUED BY Sheri Richard/Tim Wilson, Director Rates and Regulatory Affairs/Vice President, Electric Operations, Joplin, MO

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 3 1st ~~Revised~~Original Sheet No. 4

Canceling P.S.C. Mo. No. 6 Sec. 3 Original 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 \$ 19,5421.00
For all energy used, per kWh..... \$ 0.099401134236

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.

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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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.

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 3 1st ~~Revised~~Original Sheet No.

Canceling P.S.C. Mo. No. 6 Sec. 3 Original Sheet No. 6

For ALL TERRITORY

MUNICIPAL STREET LIGHTING SERVICE
LIGHT EMITTING DIODE (LED) TARIFF
SCHEDULE SPL-LED

AVAILABILITY:

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

ANNUAL STREET LIGHTING CHARGE:

Light Emitting Diode (LED) Fixtures:	Lumens	Annual Charge per Fixture	Annual kWh	Input Watts
LED 1.....	7,500-9,500	\$ 874.030	380	92
LED 2.....	13,000-16,000	\$ 11700.9602	591	143
LED 3.....	19,000-22,000	\$148.35	694	168

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.

STORM URI COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00708 per kWh.

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

The monthly energy charge for each type of fixture 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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P.S.C. Mo. No. 6 Sec. 3 1st ~~Revised~~Original Sheet No.
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Canceling P.S.C. Mo. No. 6 Sec. 3 Original Sheet No. 6

For ALL TERRITORY

MUNICIPAL STREET LIGHTING SERVICE
LIGHT EMITTING DIODE (LED) TARIFF
SCHEDULE SPL-LED

DATE OF ISSUE ~~August 17~~ May 28, 2021 DATE EFFECTIVE ~~September 27~~ June 24, 2021
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MO

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 1st ~~Original~~ Revised Sheet No. 171

Canceling P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. _____

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after September 16, 2020

The two six-month accumulation periods, the two six-month recovery periods and filing dates are set forth in the following table:

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

The Company will make a Fuel Adjustment Rate (“FAR”) filing by each Filing Date. The new FAR rates for which a filing is made will be applicable starting with the Recovery Period that begins following the Filing Date. All FAR filings shall be accompanied by detailed workpapers with subaccount detail supporting the filing in an electronic format with all formulas intact.

Upon request by the Company, and with notice to all parties from the Company’s last general rate case, the Commission may grant a variance from any provisions of this FAC Rider for good cause shown.

DEFINITIONS

ACCUMULATION PERIOD:

The six calendar months during which the actual costs and revenues subject to this rider will be accumulated for the purpose of determining the FAR.

RECOVERY PERIOD:

The billing months during which a FAR is applied to retail customer usage on a per kilowatt-hour (“kWh”) basis.

BASE ENERGY COST:

Base energy cost is ordered by the Commission in the last rate case consistent with the costs and revenues included in the calculation of the Fuel and Purchase Power Adjustment (“FPA”).

BASE FACTOR (“BF”):

The base factor is the base energy cost divided by net generation kWh determined by the Commission in the last general rate case. BF = \$0.~~02338~~-01013 per kWh for each accumulation period.

ON-PEAK TOU SALES ADJ FOR LOSSES:

The on-peak sales from TOU customers multiplied by the NSI divided by Total System kWh sales

OFF-PEAK TOU SALES ADJ FOR LOSSES:

The off-peak sales from TOU customers multiplied by the NSI divided by Total System kWh sales

On-Peak FAC BF

On-Peak FAC BF in the current TOU Tariff

Off-Peak FAC BF

Off-Peak FAC BF in the current TOU Tariff

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P.S.C. Mo. No. 6 Sec. 4 1st ~~Original~~ Revised Sheet No. 17

Canceling P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. _____

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after September 16, 2020

APPLICATION

FUEL & PURCHASE POWER ADJUSTMENT

$$FPA = \{[(FC + PP + E - OSSR - REC - B) * J] * 0.95\} + T + I + P$$

Where:

FC = Fuel Costs Incurred to Support Sales:

The following costs reflected in Federal Energy Regulatory Commission ("FERC") Accounts 501 and 506: coal commodity and railroad transportation, switching and demurrage charges, applicable taxes, natural gas costs, alternative fuels (i.e. tires, and bio-fuel), fuel additives, Btu adjustments assessed by coal suppliers, quality adjustments assessed by coal suppliers, fuel hedging costs, fuel adjustments included in commodity and transportation costs, broker commissions and fees associated with price hedges, oil costs, combustion product disposal revenues and expenses, consumable costs related to Air Quality Control Systems ("AQCS") operation, such as ammonia, lime, limestone, and powdered activated carbon, and settlement proceeds, insurance recoveries, subrogation recoveries for increased fuel expenses in Account 501.

The following costs reflected in FERC Accounts 547 and 548: natural gas generation costs related to commodity, oil, transportation, fuel losses, hedging costs for natural gas and oil, fuel additives, and settlement proceeds, insurance recoveries, subrogation recoveries for increased fuel expenses, broker commissions and fees.

PP = Purchased Power Costs:

1. Costs and revenues for purchased power reflected in FERC Account 555, ~~excluding~~ including all charges under Southwest Power Pool ("SPP") Schedules 1a and 12. Such costs include:

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THE EMPIRE DISTRICT ELECTRIC COMPANY

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For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE

RIDER FAC

For service on and after September 16, 2020

- A. SPP costs or revenues for SPP's energy and operating market settlement charge types and market settlement clearing costs or revenues including:
- i. Energy;
 - ii. Ancillary Services;
 - a. Regulating Reserve Service
 - b. Energy Imbalance Service
 - c. Spinning Reserve Service
 - d. Supplemental Reserve Service
 - iii. Revenue Sufficiency;
 - iv. Revenue Neutrality;
 - v. Demand Reduction;
 - vi. Grandfathered Agreements;
 - vii. Virtual Energy including Transaction Fees;
 - viii. Pseudo-tie; and
 - ix. Miscellaneous;
- B. Non-SPP costs or revenue as follows:
- i. If received from a centrally administered market (e.g. PJM / MISO), costs or revenues of an equivalent nature to those identified for the SPP costs or revenues specified in sub part A of part 1 above;
 - ii. If not received from a centrally administered market:
 - a. Costs for purchases of energy; and
 - b. Costs for purchases of generation capacity, provided such capacity is acquired for a term of one (1) year or less; and
- C. Settlements, insurance recoveries, and subrogation recoveries for purchased power expenses.
2. Costs of purchased power will be reduced by expected replacement power insurance recoveries qualifying as assets under Generally Accepted Accounting Principles.
3. Transmission service costs reflected in FERC Account 565:

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For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after September 16, 2020

- A. ~~Thirty-four~~One hundred percent (~~34~~100%) of SPP costs associated with Network Transmission Service:
 - i. SPP Schedule 2 – Reactive Supply and Voltage Control from Generation or Other Sources Service;
 - ii. SPP Schedule 3 – Regulation and Frequency Response Service; and
 - iii. SPP Schedule 11 – Base Plan Zonal Charge and Region-wide Charge.
- B. ~~Fifty-One~~One hundred percent (~~50~~100%) of Mid-Continent Independent System Operator (“MISO”) costs associated with:
 - i. Network transmission service;
 - ii. Point-to-point transmission service;
 - iii. System control and dispatch; and
 - iv. Reactive supply and voltage control.

- C. One hundred percent (100%) of the SPP revenue associated with:
 - i. Point to point transmission service;
 - ii. Schedule 11 transmission service; and
 - iii. Schedule 1 transmission service (relative to native load).

- 4. Costs and revenues not specifically detailed in Factors FC, PP, E, or OSSR shall not be included in the Company’s FAR filings; provided however, in the case of Factors PP or OSSR the market settlement charge types under which SPP or another market participant bills / credits a cost or revenue need not be detailed in Factors PP or OSSR for the costs or revenues to be considered specifically detailed in Factors PP or OSSR; and provided further, should the SPP or another market participant implement a new charge type, exclusive of changes in transmission revenue. The list of sub-accounts included will be provided in the FAC Monthly Reports.
 - A. The Company may include the new charge type cost or revenue in its FAR filings if the Company believes the new charge type cost or revenue possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR, as the case may be, subject to the requirement that the Company make a filing with the Commission as outlined in B below and also subject to another party’s right to challenge the inclusion as outlined in E. below;
 - B. The Company will make a filing with the Commission giving the Commission notice of the new charge type no later than 60 days prior to the Company including the new charge type cost or revenue in a FAR filing. Such filing shall identify the proposed accounts affected by such new charge type cost or revenue, provide a description of the new charge type demonstrating that it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR as the case may be, and identify the preexisting market settlement charge type(s) which the new charge type replaces or supplements;
 - C. The Company will also provide notice in its monthly reports required by the Commission's fuel adjustment clause rules that identifies the new charge type costs or revenues by amount, description and location within the monthly reports;

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

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For ALL TERRITORY

<p>FUEL & PURCHASE POWER ADJUSTMENT CLAUSE RIDER FAC For service on and after September 16, 2020</p>
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D. The Company shall account for the new charge type costs or revenues in a manner which allows for the transparent determination of current period and cumulative costs or revenues;

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~~ISSUED BY Tim Wilson, Vice President, Electric Operations, Joplin, MO~~ ~~DATE OF ISSUE~~ August 17, 2020 ~~DATE~~

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~~ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO~~

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 17m

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after September 16, 2020

- E. If the Company makes the filing provided for by B above and a party challenges the inclusion, such challenge will not delay approval of the FAR filing. To challenge the inclusion of a new charge type, a party shall make a filing with the Commission based upon the contention that the new charge type costs or revenues at issue should not have been included, because they do not possess the characteristics of the costs or revenues listed in Factors PP or OSSR, as the case may be. A party wishing to challenge the inclusion of a charge type shall include in its filing the reasons why it believes the Company did not show that the new charge type possesses the characteristic of the costs or revenues listed in Factors PP or OSSR, as the case may be, and its filing shall be made within 30 days of the Company's filing under B above. In the event of a timely challenge, the Company shall bear the burden of proof to support its decision to include a new charge type in a FAR filing. Should such challenge be upheld by the Commission, any such costs will be refunded (or revenues retained) through a future FAR filing in a manner consistent with that utilized for Factor P; and
- F. A party other than the Company may seek the inclusion of a new charge type in a FAR filing by making a filing with the Commission no less than 60 days before the Company's next FAR filing. Such a filing shall give the Commission notice that such party believes the new charge type should be included because it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR, as the case may be. The party's filing shall identify the proposed accounts affected by such new charge type cost or revenue, provide a description of the new charge type demonstrating that it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR as the case may be, and identify the preexisting market settlement charge type(s) which the new charge type replaces or supplements. If a party makes the filing provided for by this paragraph F and a party (including the Company) challenges the inclusion, such challenge will not delay inclusion of the new charge type in the FAR filing or delay approval of the FAR filing. To challenge the inclusion of a new charge type, the challenging party shall make a filing with the Commission based upon that party's contention that the new charge type costs or revenues at issue should not have been included, because they do not possess the characteristics of the costs or revenues listed in Factors PP or OSSR, as the case may be. The challenging party shall make its filing challenging the inclusion and stating the reasons why it believes the new charge type does not possess the characteristic of the costs or revenues listed in Factors PP or OSSR, as the case may be, within 30 days of the filing that seeks inclusion of the new charge type. In the event of a timely challenge, the party seeking the inclusion of the new charge type shall bear the burden of proof to support its contention that the new charge type should be included in the Company's FAR filings. Should such challenge be upheld by the Commission, any such costs will be refunded (or revenues retained) through a future FAR filing in a manner consistent with that utilized for Factor P.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

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For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after September 16, 2020

E = Net Emission Costs: The following costs and revenues reflected in FERC Accounts 509 and 411 (or any other account FERC may designate for emissions expense in the future): emission allowance costs offset by revenues from the sale of emission allowances including any associated hedging.

OSSR = Revenue from Off-System Sales (Excluding revenue from full and partial requirements sales to municipalities [with the exception of the revenue received net of cost from the sale of energy to the Southwest Missouri Power Electric Pool for service from June 1, 2020 – May 31, 2025 and including the net wind revenues from North Fork Ridge, Neosho Ridge, and Kings Point](#)):

The following revenues or costs reflected in FERC Account 447: all revenues from off-system sales and SPP energy and operating market including (see Note A. below):

- i. Energy;
- ii. Capacity Charges associated with Contracts shorter than 1 year;
- iii. Ancillary Services including;
 - a. Regulating Reserve Service
 - b. Energy Imbalance Service
 - c. Spinning Reserve Service
 - d. Supplemental Reserve Service
- iv. Revenue Sufficiency;
- v. Losses;
- vi. Revenue Neutrality;
- vii. Demand Reduction;
- viii. Grandfathered Agreements;
- ix. Pseudo-tie;
- x. Miscellaneous; and
- xi. Hedging.

REC = Renewable Energy Credit Revenue reflected in FERC Account 456 from the sale of Renewable Energy Credits that are not needed to meet the Renewable Energy Standard.

HEDGING COSTS:

Hedging costs are defined as realized losses and costs (including broker commission fees and margins) minus realized gains associated with mitigating volatility in the Company's cost of fuel, fuel additives, fuel transportation, emission allowances and purchased power costs, including but not limited to, the Company's use of derivatives whether over-the-counter or exchanged traded including, without limitation, futures or forward contracts, puts, calls, caps, floors, collars and swaps.

Should FERC require any item covered by factors FC, PP, E, REC or OSSR to be recorded in an account different than the FERC accounts listed in such factors, such items shall nevertheless be included in factor FC, PP, E, REC or OSSR. In the month that the Company begins to record items in a different account, the Company will file with the Commission the previous account number, the new account number and what costs or revenues that flow through this Rider FAC are to be recorded in the account.

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

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For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after September 16, 2020

~~With respect to the Company's North Fork Ridge, Neosho Ridge, and Kings Point wind projects, costs associated with the wind projects and revenue generated from the wind projects shall not be passed through to customers via the Fuel Adjustment Clause before the wind projects' revenue requirements are included in rates.~~

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For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after September 16, 2020

UB = Unadjusted Net-net base energy cost is calculated as follows:

$$UB = (S_{AP} * \$0.0233801013)$$

$$TOU\ NBEC\ Adj = (On\text{-}Peak\ TOU\ Sales\ Adj\ for\ losses * On\text{-}Peak\ FAC\ BF + Off\text{-}Peak\ TOU\ Sales\ Adj\ for\ losses * Off\text{-}Peak\ FAC\ BF) + [(S_{AP} - On\text{-}Peak\ TOU\ Sales\ Adj\ for\ losses - Off\text{-}Peak\ TOU\ Sales\ adj\ for\ losses) * BF] - UB$$

$$B = UB + TOU\ NBEC\ Adj$$

S_{AP} = Actual net system input at the generation level for the accumulation period.

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

Where Total system kWh sales includes sales to municipalities that are associated with Empire and excludes off-system sales.

T = True-up of over/under recovery of FAC balance from prior recovery period as included in the deferred energy cost balancing account. Adjustments by Commission order pursuant to any prudence review shall also be placed in the FPA for collection unless a separate refund is ordered by the Commission.

I = Interest applicable to (i) the difference between Total energy cost (FC + PP + E – OSSR – REC) and Net base energy costs (“B”) multiplied by the Missouri energy ratio (“J”) for all kWh of energy supplied during an AP until those costs have been billed; (ii) refunds due to prudence reviews (“P”), if any; and (iii) all under- or over-recovery balances created through operation of this FAC, as determined in the true-up filings (“T”) provided for herein. Interest shall be calculated monthly at a rate equal to the weighted average interest paid on the Company’s short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.

P = Prudence disallowance amount, if any, as defined below.

FUEL ADJUSTMENT RATE

The FAR is the result of dividing the FPA by estimated recovery period S_{RP} kWh, rounded to the nearest \$0.00000. The FAR shall be adjusted to reflect the differences in line losses that occur at primary and secondary voltage by multiplying the average cost at the generator by 1.0429 and 1.0625, respectively. Any FAR authorized by the Commission shall be billed based upon customers’ energy usage on and after the authorized effective date of the FAR. The formula for the FPA is displayed below

$$FAR = \frac{FPA}{S_{RP}}$$

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 17p

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE

RIDER FAC

For service on and after September 16, 2020

Where:

S_{RP} = Forecasted Missouri NSI kWh for the recovery period.

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

Where Forecasted total system NSI kWh sales includes sales to municipalities that are associated with Empire and excludes off-system sales.

GENERAL RATE CASE/PRUDENCE REVIEW

The following shall apply to this FAC, in accordance with Section 386.266.5, RSMo. and applicable Missouri Public Service Commission Rules governing rate adjustment mechanisms established under Section 386.266, RSMo:

The Company shall file a general rate case with the effective date of new rates to be no later than four years after the effective date of a Commission order implementing or continuing this FAC. The four-year period referenced above shall not include any periods in which the Company is prohibited from collecting any charges under this FAC, or any period for which charges hereunder must be fully refunded. In the event a court determines that this FAC is unlawful and all moneys collected hereunder are fully refunded, the Company shall be relieved of the obligation under this FAC to file such a rate case.

Prudence reviews of the costs subject to this FAC shall occur no less frequently than every eighteen months, and any such costs which are determined by the Commission to have been imprudently incurred or incurred in violation of the terms of this rider shall be returned to customers. Adjustments by Commission order, if any, pursuant to any prudence review shall be included in the FAR calculation in P above unless a separate refund is ordered by the Commission. Interest on the prudence adjustment will be included in I above.

TRUE-UP OF FPA

In conjunction with an adjustment to its FAR, the Company will make a true-up filing 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 FPA revenues billed and the FPA revenues authorized for collection during the true-up recovery period, i.e. the true-up adjustment. Any true-up adjustments or refunds shall be reflected in item T above and shall include interest calculated as provided for in item I above.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 1st2nd Original Revised Sheet No. 17q

Canceling P.S.C. Mo. No. 6 Sec. 4 1st Original Revised Sheet No. 17q

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after December 1, 2020

	Accumulation Period Ending		August 31, 2020
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		56,521,028
2	Net Base Energy Cost (B) = (UB + TOU NBEC Adj)	-	60,082,592
	2.1 Base Factor (BF)		0.02415
	<u>2.2 Unadjusted Net Based Energy Cost (UB)</u>		
	<u>2.3 Time-of-use Net Base Energy Cost Adjustment (TOU NBEC Adj)</u>		
	<u>2.42</u> Accumulation Period NSI (S _{AP})		2,487,892,000
3	(TEC-B)		(3,561,564)
4	Missouri Energy Ratio (J)	*	85.52 ¹
5	(TEC - B) * J		(2,860,278) ²
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		(2,575,706)
8	True-Up Amount (T)	+	(1,423,471)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(17,232)
11	Fuel and Purchased Power Adjustment (FPA)	=	(4,016,409)
12	Forecasted Missouri NSI (S _{RP})	÷	2,257,566,452
13	Current Period Fuel Adjustment Rate (FAR)	=	(.00178)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(.00186)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(.00190)
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

¹The Missouri Energy Ratio (J), on line 4, is calculated by dividing the Missouri retail kWh sales by the Total system kWh sales for the current

DATE OF ISSUE October 1, 2020 DATE EFFECTIVE December 1, 2020
 DATE OF ISSUE May 28, 2021 DATE EFFECTIVE June 27, 2021
 ISSUED BY Tim Wilson, Vice President, Electric Operations, Joplin, MO ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 1st2nd ~~Original~~ Revised Sheet No. 17q

Canceling P.S.C. Mo. No. 6 Sec. 4 1st ~~Original~~ Revised Sheet No. 17q

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after December 1, 2020

accumulation period as specified by the tariff.

²The (TEC-B)*J, on line 5, is calculated by taking the sum of (TEC-B)*J for each month of the accumulation period. Therefore, because each month is weighted differently, the amount on line 5 will not necessarily equal the product of lines three and four.

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 1st ~~Revised~~ Original Sheet No. 18

Canceling P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 18

For ALL TERRITORY

OPTIONAL TIME OF USE ADJUSTMENT
RIDER OTOU

AVAILABILITY:

[This rider is closed to additional enrollment.](#)

 This rider will be available to any Customer currently served on one of the following rate schedules:

<u>Service</u>	<u>Rate Schedule</u>
Residential Service	RG
Commercial Service	CB
Small Heating Service	SH
General Power Service	GP
Total Electric Building	TEB
Large Power Service	LP

Availability is limited to the following:

<u>Service</u>	<u>Customers</u>
Residential Service	50
Commercial Service	50
Small Heating Service	50
General Power Service	5
Total Electric Building	5
Large Power Service	3

CUSTOMER CHARGE ADJUSTMENTS:

	<u>Charge</u>
Residential Service.....	\$ 10.00
Commercial Service or Small Heating Service:	
Single Phase.....	10.00
Three Phase.....	15.00
General Power or Total Electric Building.....	13.69
Large Power Service.....	0.00

ENERGY ADJUSTMENT PER kWh:

	<u>Summer Season</u>	<u>Winter Season</u>
RG:		
On-Peak period.....	\$ 0.0275	\$ 0.0015
Shoulder period.....	(0.0042)	
Off-Peak period.....	(0.0104)	(0.0011)
CB or SH:		
On-Peak period.....	0.0232	0.0006
Shoulder period.....	(0.0044)	
Off-Peak period.....	(0.0101)	(0.0007)
GP or TEB:		
On-Peak period.....	0.0235	0.0009
Shoulder period.....	(0.0024)	
Off-Peak period.....	(0.0085)	(0.0008)
LP:		
On-Peak period.....	0.0221	0.0010
Shoulder period.....	(0.0009)	
Off-Peak period.....	(0.0070)	(0.0008)

Adjustments are in addition to the current rate schedule prices.